



LAS POSITAS COLLEGE

ACADEMIC CATALOG
2019-2020





Welcome to Las Positas College!

This Catalog is designed as a resource for you, the students of LPC. Inside you will find a comprehensive range of academic programs and information about each degree or certificate that Las Positas College offers. All courses, and a short description about each, are listed by academic discipline. We hope this alone is of interest to you, yet there is much more!

You will also find information regarding: student services, such as financial aid or how to transfer; student life opportunities, such as student government or the student newspaper; college policies on a variety of topics; and academic resources, such as the computer center, tutoring center or the library.

The Catalog serves as a “map” to Las Positas College and we hope that you are soon engaged in exploring all the roads that the map represents. We trust you will find that we are deeply committed to building minds and building futures. There are student support services to help you get going and stay moving toward your goals. You will find many opportunities to interact with faculty who share enthusiasm for the knowledge and skills needed to make a difference in our world and our community. So, whether you are preparing for an immediate career, planning to transfer, or are simply hungering for knowledge, we are offering an exceptional education at our vibrant and lovely campus.

You are welcome here!

A handwritten signature in blue ink that reads "Roanna Bennie". The signature is written in a cursive, flowing style.

Roanna V. Bennie
Interim President

2019-2020 Academic Calendar

Fall 2019

Thursday	August 15	Convocation Day
Friday	August 16	College Division Day
Monday	August 19	Classes Start
Monday	September 2 ¹	Labor Day Holiday
Monday	November 11	Veterans' Day Holiday
Wednesday – Friday	November 27-29 ¹	Thanksgiving Holiday ¹
Friday	December 13	Last Day of Instruction
Saturday	December 14	Saturday Finals
Monday	December 16	Finals
Tuesday	December 17	Finals
Wednesday	December 18	Finals
Thursday	December 19	Finals
Friday	December 20	Finals
Wednesday	January 1, 2020 by 11 p.m. via Internet	Grades Due

Spring 2020

Monday	January 13	Classes Start
Monday	January 20	Martin Luther King Holiday
Friday – Monday	February 14 – 17 ¹	Presidents' Weekend Holiday ¹
Monday – Friday	March 23 – March 27	Spring Break
Friday	May 15	Last Day of Instruction
Saturday	May 16	Saturday Finals
Monday	May 18	Finals
Tuesday	May 19	Finals
Wednesday	May 20	Finals
Thursday	May 21	Finals
Friday	May 22	Finals
Friday and Saturday	May 22 and May 23*	Commencement Ceremony
Monday	May 25	Memorial Day Holiday
Thursday	May 26 by 11 p.m. via Internet	Grades Due

¹No Saturday Classes.

*Commencement is scheduled on the same weekday at a particular college two Academic Years in a row then switched to the other day for two Academic Years in a row. (Article 8C.3)

1 Variable Flex Day for Faculty for the year

Summer 2019 Window Period: Tuesday, May 28 to Thursday, August 8, 2019

Thursday, July 4, 2019 Independence Day Holiday

Grades Due: Monday, August 12, 2019 by 11 p.m. via Internet

* Holiday/All Employees

Note: The calendars noted above refer to regular, full-term classes only. Refer to current Schedule of Classes or the College website for short-term or late-start classes and for "NGR," "W," "Census," & "60% financial aid" deadline dates. You will also find deadlines on "CLASS Web" or ask your instructor for specific course deadline information.

Table of Contents

Academic Calendar.....	ii	California State University General Education-Breadth (CSU GE-B).....	56
Directory	1	Key to Course Information.....	59
Chabot-Las Positas District.....	2	University of California (UC) Transferable Courses	60
Las Positas College.....	3	Intersegmental General Education Transfer Curriculum (IGETC).....	62
Admissions and Records.....	7	Administration of Justice.....	64
Admission Policies and Procedures.....	7	American Sign Language.....	68
Student Equity & Achievement (SEA) Program.....	9	Anthropology	69
Registration	10	Art	72
Course Withdrawal Procedures	11	Art History	76
Course Repetition.....	12	Astronomy	77
Fees and Tuition	13	Automotive Technology.....	78
Enrollment Fee Refund	14	Biological Sciences.....	82
Financial Aid.....	15	Business	87
Directory of Resources for Financial Aid.....	18	Chemistry.....	97
Veterans Educational Benefits	18	Communication Studies.....	99
Directory of Resources for Veterans	21	Computer Information Systems.....	102
Academic Services Support.....	21	Computer Networking Technology.....	110
Special Academic Programs	22	Computer Science.....	117
Counseling Services.....	24	Dance	121
Assessment.....	24	Early Care and Education.....	122
Career and Transfer Services	24	Economics	130
Student Programs and Services.....	25	Emergency Medical Services	131
Disabled Student Programs and Services (DSPS).....	25	Engineering	135
State Supported Programs	25	English.....	137
Learning Communities	26	English as a Second Language	142
Campus Resources.....	27	Environmental Science	145
Campus Safety and Security.....	27	Environmental Studies	145
Student Life.....	30	Fire Service Technology.....	147
Student Rights & Responsibilities.....	31	French.....	152
Academic Regulations	36	Geography	152
External Examinations	40	Geology	154
International Baccalaureate (IB) Examinations	41	Global Studies	157
Advanced Placement (AP) Examinations	42	Graphic Design & Digital Media.....	158
College Level Examination Program (CLEP).....	44	Health.....	164
Programs of Study	45	History	166
General Education Pattern for Associate of Arts (AA) Degree	46	Horticulture	168
General Education Pattern for Associate of Science (AS) Degree	48	Humanities.....	172
Degrees and Certificates.....	50	Independent Study.....	174
Transfer to a Baccalaureate College or University.....	53	Interior Design	174
California State University (CSU) Non-Transferable Courses.....	55	Italian	176

Kinesiology.....	176	Las Positas College Foundation.....	291
Kinesiology Activity Courses.....	179	Index.....	I-1
Kinesiology Theory Courses.....	189	Las Positas College Campus Map.....	I-5
Kinesiology Intercollegiate Athletics Courses.....	191		
Liberal Arts and Sciences.....	193		
Library Studies.....	200		
Marketing.....	201		
Mass Communications.....	203		
Las Positas College Mathematics Course Pathways.....	209		
Mathematics.....	210		
Music.....	216		
Noncredit Computer Information Systems.....	225		
Noncredit English.....	225		
Noncredit English as a Second Language.....	226		
Noncredit Horticulture.....	228		
Noncredit Mathematics.....	229		
Noncredit Tutoring.....	234		
Nutrition.....	235		
Occupational Safety and Health.....	236		
Philosophy.....	239		
Photography.....	241		
Physics.....	244		
Political Science.....	246		
Psychology.....	247		
Psychology-Counseling.....	249		
Radiation Safety.....	252		
Religious Studies.....	252		
Sociology.....	253		
Spanish.....	255		
Theater Arts.....	256		
Tutoring.....	262		
University Transfer.....	262		
Viticulture & Winery Technology.....	270		
Welding Technology.....	275		
Women's Studies.....	279		
Work Experience.....	280		
Administrators.....	282		
Faculty.....	282		
Past Presidents.....	286		
Emeriti.....	286		
Classified Professionals.....	289		

Directory

Academic Services	925.424.1104
Administrative Services	925.424.1631
Admissions & Records.....	925.424.1500
Assessment Center	925.424.1475
Bookstore.....	925.424.1812
CalWorks.....	925.424.1459
Campus Safety & Security	925.424.1690
Community Education.....	925.424.1467
Counseling	925.424.1400
Disabled Student Programs & Services (DSPS).....	925.424.1510
Extended Opportunity Programs & Services (EOPS)	925.424.1598
Fax (No Charge).....	925.443.0742
Financial Aid	925.424.1580
Foundation	925.424.1010
General Information.....	925.424.1600
International Student Program	925.424.1540
Library (LRC).....	925.424.1150
Office of the President	925.424.1001
Student Government	925.424.1490
Student Health & Wellness Center	925.424.1830
Student Services.....	925.424.1406
Tutorial Center	925.424.1450
Veterans Program	925.424.1571

Division Offices

Arts & Humanities (A & H)	925.424.1383
Business, Health, Athletics, Work Experience & Kinesiology (BHAWK)	925.424.1274
Social Sciences, Library, Public Safety and Career Education (SLPC).....	925.424.1322
Science, Technology, Engineering and Math (STEM) ...	925.424.1183

CHABOT- LAS POSITAS COMMUNITY COLLEGE DISTRICT

The Chabot-Las Positas Community College District has provided quality education to residents of the San Francisco Bay Area for fifty years. The voters approved the formation of a “junior college district” on January 10, 1961 and the first board of trustees was elected on April 18, 1961.

In addition to the traditional and career and technical curriculum offered at the Colleges, the District conducts an active outreach program in contract education to help business, industrial and public organizations develop training programs tailored to meet their needs.

Board of Trustees

The Chabot-Las Positas Board of Trustees governs the Chabot-Las Positas Community College District and is responsible for all policy decisions. The Board meets twice a month.

Name/Position	Area Represented	Year First Elected
Genevieve Randolph	Area 3: Union City, South Hayward	2017
Marshall Mitzman, Ph.D. President	Area 1: Hayward	2008
Linda Granger	Area 2: San Leandro	2018
Donald L. “Dobie” Gelles	Area 4: Castro Valley, portions of Oakland	1998
Hal G. Gin, Ed.D. Past President	Area 6: Hayward, San Lorenzo	2005
Edralin Maduli	Area 7: Livermore, portions of Pleasanton	2016
Vacant	Area 5: Pleasanton, Dublin, Sunol	

Administration

District

Ronald Gerhard

Interim Chancellor

Wyman Fong

Vice Chancellor, Human Resources

Owen Letcher

Vice Chancellor, Facilities and Bond Program

Vacant

Vice Chancellor Educational Services & Student Success

Vacant

Vice Chancellor, Business Services

Chabot College

Susan Sperling, Ph.D.

President

Las Positas College

Roanna V. Bennie

Interim President

Vacant

Vice President of Academic Services

William L. Garcia

Vice President of Student Services

Diane M. Brady

Vice President of Administrative Services

Don Carlson

Dean of Academic Services

Nan Ho

Dean of Academic Services

Amir A. Law, Ed.D.

Dean of Academic Services

Stuart J. McElderry, Ph.D.

Dean of Academic Services

Tamica S. Ward

Dean of Enrollment Services

Elizabeth David

Dean of Student Services

Nessa Julian, Ed.D.

Director, Student Equity and Success

Jason Jones Ed.D.

Director of Disabled Student Programs & Services

Rajinder Samra

Director of Institutional Research and Planning

Kenneth G. Cooper

Executive Director, LPC Foundation

Vicki Shipman

Project Manager, Career-Technical Education

Angela M. Lopez

Program Director, Child Development Center

Thomas E. Allen

Program Manager, Adult Education & Non-Credit

Chad J. McMullen

Public Safety Programs Manager

Stephen Gunderson

Manager, College Technology Services

California Community Colleges

Governance Structure

The California Community Colleges operate under the governance of the State Chancellor, the State Board of Governors appointed by the Governor, and local districts with their own locally elected governing boards. The California Community College's System Office and Board of Governors oversee the distribution of funds apportioned by the State Legislature for use by the Community Colleges. California's Community Colleges are organized into 72 community college districts. Each college within a district has a president or chancellor/superintendent, and each district has its own elected board of trustees who apportion funds and governs the colleges within its district.

Mission of the California Community Colleges

By law, the California Community Colleges shall admit any person who is a high school graduate or equivalent thereof, or who is eighteen years of age or older, and who can benefit from the instruction offered.

A primary mission of the college is to offer academic and career and technical education at the lower division level. Another primary mission is to advance California's economic growth and global competitiveness through education, training, and services that contribute to continuous workforce improvement. Essential and important functions of the colleges include: basic skills instruction and in conjunction with the school districts, instruction in English as a Second Language, adult noncredit instruction, and support services which help students succeed at the postsecondary level.

The Board of Governors shall provide leadership and direction in the continuing development of the California Community Colleges as an integral and effective element in the structure of public higher education in the state.

LAS POSITAS COLLEGE

Located in the East Bay region of Northern California, Las Positas College is situated amid one of the state's fastest growing areas for business, science, and technology. Gently rolling hills and picturesque vineyards provide the scenic background for the college's 147-acre campus.

Las Positas College is one of two separately accredited colleges in the Chabot-Las Positas Community College District. The College is a public institution and principally serves citizens from the communities of Dublin, Livermore, and Pleasanton, and several unincorporated areas including Sunol and north Livermore.

Las Positas College currently enrolls approximately 9,000 students and offers curriculum for those seeking transfer to a four-year college or university, career preparation, or basic skills education. The College provides university transfer classes, retraining classes for those in need of employment or career advancement, a first-time educational opportunity for many adults, and career and technical training for those entering the technical and para-professional work force. Las Positas College excels in helping students transfer to the University of California system, the California State University system, and other four-year institutions.

Students who come to the College can choose any of 27 Associate Degrees for Transfer (ADTs), 44 Associate Degrees, 68 Credit Certificate Programs, and 10 Noncredit Certificate Programs. In addition, the College offers community education courses geared toward personal development and cultural enrichment. See the full list in the Transfer, Degree and Certificate Programs section.

Academic rigor is maintained in a friendly, welcoming atmosphere. Las Positas College faculty and staff are distinguished by their energy, creativity, and commitment to making a difference in the lives of the students they serve. Las Positas College is a learning-centered institution focused on excellence and student success, and is fully committed to supporting all Tri-Valley residents in their quest for education and advancement.

The campus is accessible from Bay Area Rapid Transit (BART) and Interstate 580. Students can take buses from the Pleasanton-Dublin BART station and from many locations in Dublin, Livermore, and Pleasanton. The College is proud of its exceptional safety record—making it one of the safest colleges in the Bay Area—and its commitment to sustainability, including LEED facilities, recycling and reduced-usage practices, and photovoltaic (solar) arrays that generate two megawatts of energy.

History of the College

Las Positas College began as an extension center of Chabot College in 1963, offering 24 classes and enrolling 810 students at Livermore High School and two other sites. By 1965, the program had expanded and moved to Granada High School in Livermore. It subsequently grew to include Amador and Dublin High Schools as well. The District purchased the Livermore site that same year, intending to develop a comprehensive community college. On March 31, 1975,

“Valley Campus” opened as the Livermore Education Center of Chabot College.

Las Positas College has since developed into a fully accredited comprehensive institution. In 1988, the College was designated by the Board of Governors to be an independent college. Las Positas College received full accreditation on January 7, 1991 from the Accrediting Commission for Community and Junior Colleges.

Institutional Planning

Las Positas College developed an Educational Master Plan (EMP) that articulates the institution’s goal and strategies for advancing the college’s mission from 2015 to 2020. The plan guides the college in strengthening student achievement, planning for current and future needs, transforming infrastructure, and informing the resource allocation process and staffing priorities. The goal and strategies established in the EMP are based on a year-long process conducted from October 2014 to October 2015.

The plan’s goals are derived from the robust input from faculty, students, staff, and community members and data received from Las Positas College’s Office of Research, Planning, and Institutional Effectiveness. The EMP helps the College accommodate the educational needs of approximately 235,000 service-area residents, and address the major demographic, economic and educational trends, opportunities, and challenges the College will face in the upcoming years.

Las Positas College continues its development and assessment efforts by working to further integrate processes for planning and resource allocation. To measure its performance and evaluate its effectiveness in achieving its Mission, the College relies upon participation from all constituency groups and data on student, program, and institutional success.

Las Positas College Mission Statement

Las Positas College is an inclusive learning-centered institution providing educational opportunities and support for completion of students’ transfer, degree, basic skills, career-technical, and retraining goals.

- **Glossary of Terms** – the multiple meanings of the terms used in the Mission Statement are below:
- **Inclusive** – welcoming of a diverse group of students including, but not limited to, DSPS, EOPS, CalWORKs, International, Multicultural, various Economic Backgrounds, Distance Education, and Lifelong Learners; all with varying skill levels and learning styles.
- **Learning Centered** – refers to courses, programs, disciplines, modes of delivery, learning communities, accounting for varying skill levels, creative and critical thinking, and having necessary and specialized facilities
- **Educational opportunities** – include, but are not limited to, classroom and Distance Education (DE) instruction, athletics, field trips, guest speakers, student government, cultural opportunities, clubs, labs, internships, tutorial service, workshops, library research, and mentoring.

Support includes tutorial services, reading and writing center, counseling, Integrated Learning Center, Admissions and Records, advisory boards, Health and Wellness Center, financial aid,

technology, enrollment management, assessment, tutorial services, Library, Computer Center, Student Services, Administrative Services. All are provided by a dedicated group of administrators, faculty and classified professionals.

Vision Statement

Las Positas College strives to be California’s premier Community College, setting the standard through opportunities for developing knowledge, skills, values, and abilities that foster engaged and contributing members of the society.

Values Statement

Las Positas College thrives as a collaborative teaching and learning community committed to integrity and excellence by:

- Encouraging and celebrating lifelong learning
- Responding to the needs of the ever-changing workplace
- Demonstrating civic, social and environmental responsibility
- Promoting ethical behavior, tolerance and mutual respect in a diverse community
- Fostering a climate of discovery, creativity and personal development
- Holding firm to the belief that each of us makes an astonishing difference.

Institutional Goals

- **Educational Excellence:** Ensure excellence in student learning by providing quality teaching, learning support, and student support services.
- **Community Collaboration:** Ensure excellence in student learning by collaborating with community partners to provide educational opportunities that best serve the needs of our student and community.
- **Supportive Organizational Resources:** Ensure excellence in student learning by strengthening fiscal stability, providing appropriate staffing levels, meeting evolving technology needs, and expanding or updating facilities.
- **Organizational Effectiveness:** Ensure excellence in student learning by improving organizational processes and fostering professional development.

Academic Freedom

Academic freedom protects teaching and learning by encouraging the free flow of ideas.

Academic Freedom exists to promote freedom to:

- Inquire
- Teach and express ideas or facts without constraint
- Engage in intellectual debate
- Develop, nurture, and exchange ideas and opinions
- Encourage creativity in academic endeavors

Academic Freedom ensures freedom from:

- Imposition of political, religious, or philosophical beliefs of

Las Positas College

Catalog 2019-2020

others

- Reprisal
- Censorship

Academic Freedom carries the responsibilities implicit in all freedoms: truth, honesty, integrity, and respect.

The complete scope of Academic Freedom rights for faculty is set forth in Article 23 of the CLPCCD-CLPFA collective bargaining agreement and the "Academic Freedom Statement" Appendix to the CBA. CLPCCD Board Policy 4030, "Academic Freedom," further details the District's commitment to Academic Freedom.

Las Positas College General Education

General education is a significant part of the program of studies in American colleges and universities. The term general education refers to a program of studies intended to broaden students' minds and enrich their personal, social, and cultural understanding through exposure to a breadth of academic disciplines. Students develop skills and aptitudes that prepare them to contribute to and participate in society and the democratic process.

General Education Philosophy

A philosophy of general education addresses both a present reality and a future hope. The reality encompasses the practical elements a well-educated student should grasp early in education. The future hope will serve as a foundation to achieve insights into ethical problems and engage in lifelong learning, the hallmarks of educational excellence.

General Education:

- Provides skills and proficiencies needed to succeed in an academic environment as well as in our continually changing world.
- Exposes students to core knowledge, concepts, and methodologies of the Arts, Humanities, and the Natural and Social Sciences.
- Develops students' appreciation for the cultures and history of the United States and prepares them to participate in our democracy.
- Familiarizes students with a diversity of viewpoints by exposing them to the history and cultures of other countries.
- Advances students' critical thinking skills, enabling them to access, examine, and assess issues and information.
- Hones students' reading, speaking, and writing skills, enabling them to communicate clearly, effectively, and creatively.
- Promotes the development of students' quantitative competencies, to strengthen analytical thinking, and gain the ability to evaluate and access informational technology.
- Increases students' understanding of the physical and biological sciences, the scientific method, and the reliability and limitations of scientific knowledge.
- Deepens students' awareness of wellness and teaches the methods for and importance of maintaining physical and mental health.

- Encourages students to cultivate new interests and develop their abilities to search for answers, recognizing that an educated person understands how much more there is to learn.

Student Learning Outcomes

Student Learning Outcomes (SLO) are the knowledge, skills, and attitudes that students are expected to achieve or derive subsequent to a learning experience. SLOs encompass students' ability to synthesize discrete skills using higher level thinking processes in order to apply what they have learned. SLOs are assessed at the course level, the program level, and the institutional level in regular cycles to encourage collegial dialogue about student learning and student success. SLOs for each course can be found in the course syllabus. SLOs for each degree and certificate can be found in the college catalog. There are five broad institutional level SLOs.

Institutional Student Learning Outcomes

Institutional Student Learning Outcomes (ISLO) represent the major areas of knowledge that students will gain when completing the general education sequence of courses (often as part of a degree). When our students have completed the general education sequence, they will be proficient in:

- **Communication:** Read Critically, Write Effectively, Communicate Orally, Communicate Visually and Symbolically
- **Critical Thinking:** Recognize and Define, Gather and Evaluate Information, Reason, Solve Problems, Make Decisions
- **Creativity and Aesthetics:** Develop Ideas, Identify Values, Understand Artistic Expression, Interpret Influences, and Identify Contributions
- **Respect and Responsibility:** Respond Appropriately, Ethics, Conflict Resolution, Self-Advocacy, Community Involvement, Impact of Human Activity, Intercultural Values
- **Technology:** Evaluate Technology, Use Technology, Ethical and Safe Practices, Apply to Problems

Institutional Accreditation

Las Positas College is a public, two-year community college accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges (10 Commercial Boulevard, Suite 204, Novato, CA 94949, (415)506-0234), an institutional accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education. Questions regarding the College's accreditation may be addressed to this agency. The University of California, California State University, and private universities and colleges accept appropriate courses for transfer. The College is approved for the training of veterans and for enrolling non-immigrant students.

Programmatic Accreditation

California State Fire Marshal
2251 Harvard Street, Suite 400, Sacramento, CA 95815.
916-568-3800

The Las Positas College Paramedic Training Program has been approved by the California State EMS Authority through the Alameda County EMS Agency until May 31, 2020. The Las Positas

College Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). This accreditation is initial and expires on March 31, 2022.

To contact CAAHEP: 25400 US Highway 19 North, Suite 158, Clearwater, FL 33763, Phone: 727-210-2350, Fax: 727-210-2354 <http://www.caahep.org>

To contact the CoAEMSP: 8301 Lakeview Parkway Suite 111- 312, Rowlett, TX 75088; Phone 214-703-8445; Fax 214-703- 8992; or www.coaemsp.org.

Statement of Compliance

Las Positas College maintains an atmosphere that is welcoming to all students and conducive to their academic and personal success. The College provides an environment free of all forms of harassment, in which all students and employees are treated with dignity and respect.

Las Positas College does not discriminate on the basis of race, color, national origin, gender, physical ability, religious belief, or age in any of its policies, procedures or practices. Las Positas College is in full compliance with:

- **Title VI of the Civil Rights Act (1964)** — pertaining to race, color and national origin;
- **Title VII of the Civil Rights Act (1964)** — pertaining to religion and gender;
- **Title IX of the Educational Amendments (1972)** — pertaining to gender;
- **Sections 503 and 504 of the Rehabilitation Act (1973)** — pertaining to disability;
- **Age Discrimination in Employment Act (1974)** — pertaining to age;
- **Americans with Disabilities Act (1990)** — pertaining to disability.

Limited English skills are not a barrier to programs and services of the College. No person shall be subjected to sexual overtures or conduct—verbal, visual or physical—which is intimidating, hostile, offensive or unwelcome. Such conduct by employees or students is unacceptable and will not be tolerated by the College.

To inquire about the application of Non-Discrimination Policies contact:

Wyman Fong
Vice Chancellor of Human Resources
(925)485-5261 or email: wfong@clpccd.org

To Inquire about the Application of Sexual Harassment Policies contact:

Wyman Fong
Vice Chancellor of Human Resources
(925)485-5261 or email: wfong@clpccd.org

To inquire about the application of Disability

Issues and Student Concerns and Grievances

contact:

William L. Garcia
Vice President of Student Services
(925)424-1405 or email: wgarcia@laspositascollege.edu

Inquiries may also be addressed to the:

United States Department of Education Office for Civil Rights
San Francisco Office, Old Federal Building
50 United Nations Plaza, Room 239
San Francisco, CA 94102-4912
Tel: (415)556-4275/Fax: (415)437-7783

Changes in Rules and Policies

Although every effort has been made to assure the accuracy of the information in this Catalog, students and others who use this Catalog should note that laws, rules, and policies change from time to time and that these changes may alter the information contained in this publication. Changes may come in the form of statutes enacted by the Legislature, rules and policies adopted by the Board of Trustees of the Chabot-Las Positas Community College District, or by the Chancellor or designee of the institution.

Internet Access

Online access is available via the Las Positas College website at: www.laspositascollege.edu

Website Disclaimer

The Chabot-Las Positas Community College District (CLPCCD) attempts to maintain the highest accuracy of content on its Web sites. Any errors or omissions should be reported for investigation.

CLPCCD makes no claims, promises, or guarantees about the absolute accuracy, completeness, or adequacy of the contents of this Web site and expressly disclaims liability for errors and omissions in the contents of this Web site. No warranty of any kind, implied, expressed, or statutory, including but not limited to the warranties of non-infringement of third party rights, title, merchantability, fitness for a particular purpose, and freedom from computer virus, is given with respect to the contents of this Web site or its hyperlinks to other Internet resources. Reference in this Web site to any specific commercial products, processes, or services, or the use of any trade, firm, or corporation name is for the information and convenience of the public, and does not constitute endorsement, recommendation, or favoring by the CLPCCD or its employees or agents.

This Web site has links to sites that may be useful to the public and that may provide other services or information. When the user links to another Web site, which is not an authorized CLPCCD Web site, the user is no longer on a CLPCCD Web site. The CLPCCD disclaims any responsibility or liability for the services or information provided on non CLPCCD Web sites.

Photography Disclaimer

Chabot and Las Positas Colleges, being non-profit California Community Colleges, reserve the right to use photography and video images of students and visitors, age 18 and older, taken on our property and at college-sponsored events for marketing and promotional purposes. Objection to the use of an individual's

photograph may be made in writing to the district office of marketing and public relations, addressed to:

Director, Public Relations, Marketing and Government Relations
Chabot-Las Positas Community College District
7600 Dublin Blvd., 3rd Floor
Dublin, CA 94568

ADMISSIONS AND RECORDS

Admission Policies and Procedures

Eligibility for Admission

Admission is open to anyone who is 18 years old or older; or a high school graduate or completed a high school equivalency test, General Education Degree (GED), or California High School Proficiency Exam. A high school student currently enrolled in 10th, 11th or 12th grade may participate in the Concurrent Enrollment Program.

Ability to Benefit from Instruction

Under the provisions of the California State Education Code and Governing Board Policy of this District, a student's ability to benefit from the instruction offered shall be determined by evidence of the individual's:

- Ability to meet the demands of college instruction at Las Positas College;
- Ability to master, and proceed beyond, the minimum basic skill levels required for success in college education;
- Ability to show substantial progress in cognitive and affective learning in college courses; and
- Ability to show progress toward independent learning.

By this rule, the College shall determine whether a person is or is not capable of benefiting from college instruction. The determination of ability to benefit is a matter of composite professional judgment based upon available evidence. Additional information may be obtained from the Office of the Dean of Student Services.

Admission Application Procedures

An applicant may apply for admission to the College by one of the following methods:

1. Completing an admission application online at: www.laspositascollege.edu
2. Submitting a completed paper admission application to the Admissions and Records Office, Building 1600
3. Mailing a completed paper admission application to:

Las Positas College, Admissions and Records Office
3000 Campus Hill Drive, Livermore, CA 94551-7623

Admission with Advanced Standing

Credits earned at other accredited colleges or universities may be applied towards an associate degree from Las Positas College upon receipt of official transcripts. Accreditation must have been listed in the Accredited Institutions of Higher Education manual. Credit may also be allowed for college-level United States Air Force Institute courses and for formal courses taken at military service schools if such credit is recommended in the American Council on Education Guide.

Readmission from Dismissed Status

Students on dismissed status from Las Positas College must submit a "Petition for Readmission from Dismissed Status" form. In order to enroll in classes, the Dean of Student Services must approve readmission. Petition forms are available at the Counseling Department.

Special Admissions – Concurrent Enrollment

Las Positas College provides the educational opportunity for high school students in 10th, 11th, and 12th grades to enroll in college-level courses. Students who desire to participate in concurrent enrollment must be recommended by their high school principal and have written parental permission. There are course restrictions for high school students which includes Kinesiology (KIN), basic skills, and English as a Second Language (ESL) courses. Information on the Concurrent Enrollment Policy is available at the student's high school, and Admissions and Records Office or online at www.laspositascollege.edu. Students must complete the required concurrent enrollment materials each semester or term.

Middle College

Middle College is an alternative education collaboration between Las Positas College and the Tri-Valley Regional Occupational Program. Middle College provides high school students from Dublin, Livermore, and Pleasanton an opportunity to begin taking college courses while still enrolled in high school. Students take classes at Las Positas College (up to 11 units per semester) and their enrollment fees are waived. Additional information is available online at www.laspositascollege.edu/middle-college/.

International Student Admission

Las Positas College is authorized under federal law to enroll nonimmigrant alien students (F-1 and M-1 visa). Students seeking admission to Las Positas College must complete an international student supplemental application packet and submit academic transcripts or certificates, TOEFL or IELTS exam results and evidence of financial support and health examinations. Information on specific language proficiency requirements and amount of adequate financial support may be found on the college website.

Las Positas College will make every effort to advise prospective international students of their admission status as soon as possible after receiving the required documents. International students are encouraged to apply as far in advance of the desired entry date as possible to allow sufficient time for application processing and other arrangements. Contact the International Student Program for more information or visit www.laspositascollege.edu/international/.

The number of international students admitted is contingent upon the College's ability to provide services as required. International students will be accepted for admission to Las Positas College in the

Fall and Spring semesters of each academic year. Contact the International Student Program for more information. For information on international student fees, refer to the “Fees and Refunds,” section in this Catalog or consult the current class schedule.

Student & Exchange Visitor Information System

Student and Exchange Visitor Information System (SEVIS) is a government database program that was implemented by the Student and Exchange Visitor Program (SEVP), part of the U.S. Citizenship and Immigration Services (USCIS) branch of the U.S. Department of Homeland Security (DHS). This system maintains and tracks data of certain non-immigrants such as F-1 and M-1 students to ensure that students are in full compliance with DHS and College regulations. Las Positas College is a DHS certified institution, and as such, must provide data on F-1 and M-1 students and report any subsequent changes in status each semester in SEVIS.

Residency

For purposes of determining enrollment fees, students are identified as either residents or nonresidents.

Residents

Those who have lived in California as legal residents for at least one year and one day prior to the first day of a new semester/term and who can demonstrate intent to remain a California resident. Noncitizens who meet residency requirements and who desire to enroll as a California resident must provide documentation to the Admissions and Records Office.

Nonresidents

Those who do not meet the California resident requirements. In addition to the enrollment fee, nonresident students are required to pay tuition. For further information concerning residence status, contact the Admissions and Records Office.

Nonresident Tuition Exemption (Veterans)

Military veterans may be eligible for a tuition exemption based on VACA (Veterans Access, Choice and Accountability Act) criteria. Veterans who qualify for Chapter 30 or Chapter 33 GI Bill, who live in California and enroll within 3 years of discharge from active duty service of 90 days or more may be eligible for exemption of payment of nonresident tuition. For additional information, contact the Veterans First Program.

Nonresident Tuition Exemption (Concurrent Enrollment)

Concurrently enrolled students (high school students enrolled in college courses) who are classified as nonresident students for tuition purposes may be eligible for the Senate Bill 2364 waiver of nonresident tuition while still in high school. Students must be special admit part-time (enrolled in 11 units or less) students who currently reside in California and are attending high school in California. Students wishing to take advantage of this exemption should complete a nonresident exemption form and attach a copy of high school transcripts showing current enrollment. Documentation should be submitted to the Admissions and Records Office.

Nonresident Tuition Exemption (AB 540)

A California Nonresident Tuition Exemption may be granted to certain nonresident students who meet the exemption requirements set forth in Assembly Bill 540. To be eligible, students must have attended high school in California for three or more years or attainment of credits earned in California from a California high school equivalent to three or more years of fulltime high school coursework and a total of three or more years of attendance in California elementary schools, California secondary schools, or a combination of those schools. In addition, students must have graduated or will graduate from a California high school or obtained a certificate or General Education Development (GED), High School Equivalency Test (HiSET), or Test Assessing Secondary Completion (TASC). For additional information, contact the Admissions and Records Office.

Nonresident Tuition Exemption (Refugees and Special Immigrant Visa Holders)

In 2017, the California Legislature enacted Assembly Bill 343, which established a new exemption from nonresident tuition for refugees with a special immigrant visas (SIVs). For additional information, please contact the Admissions and Records Office.

Transcripts from Other Colleges & Universities

Students enrolled at Las Positas College who desire academic credit for courses taken at other regionally accredited colleges and universities must submit official transcripts of that work to the Admissions and Records Office. It is the student's responsibility to initiate a request to each institution asking that an official transcript of his/her work be sent directly to the Admissions and Records Office at Las Positas College. Transcripts received from other institutions cannot be forwarded to other colleges or universities. This does not apply to Chabot College, since academic information from both Chabot and Las Positas Colleges is recorded on the same transcript.

To be credited by Las Positas College, the course work must meet the following criteria:

1. The course(s) must have been taken at a regionally accredited college or university;
2. The course(s) must be lower division;
3. The course(s) must have been completed with a grade of “D” or higher. All transferred grades including “F”s will be used in the calculation of units attempted, units completed, and the grade point average. Intersegmental General Education Transfer Curriculum (IGETC) Certification requires a grade of “C”; and
4. The content of the course(s) must be determined to be equivalent to the current Las Positas College course standards.

The initial evaluation of course credit is to be completed by the Student Record Evaluators located in the Admissions and Records Office. The final responsibility for determining course equivalency is the discipline faculty.

Advanced Placement Examinations

Las Positas College grants credit for successful completion of the Advanced Placement Examinations. For further information see the

section on Advanced Placement Examinations in this Catalog.

Cross Enrollment with University of California, Berkeley

Students who have completed one semester as a matriculated student at Las Positas College with a 2.0 cumulative grade point average (GPA), and are currently enrolled in a minimum of six units, may be eligible to cross enroll with the University of California (UC), Berkeley. A maximum of one course per term at UC Berkeley is allowed, and enrollment is on a space available basis. Additional requirements apply. For more information, contact the Counseling Department.

Cross Enrollment with California State University, East Bay

Students who have completed 20 transferable units at Las Positas College with a 2.0 cumulative grade point average (GPA) may be eligible to cross enroll with California State University (CSU), East Bay while completing coursework at Las Positas College. Students may elect to cross enroll in courses at CSU East Bay which are not offered by Las Positas College including upper division courses. Students must be enrolled in a minimum of 6 units at Las Positas College and 12 units between the two campuses. For more information, contact the Counseling Department.

Enrollment Status Based on Unit Load

- Full-time StudentRegistered for 12 or more units
- Three-quarter StudentRegistered for 9.0 to 11.5 units
- Half-time Student.....Registered for 6.0 to 8.5 units
- Less than half-time Registered for less than 6.0 units

STUDENT EQUITY & ACHIEVEMENT (SEA) PROGRAM

Student Equity & Achievement (SEA) program, created by the California Legislature, is a new program designed to help students succeed at Las Positas College. The program defines responsibilities of both the College and its students. The SEA program requires that students complete orientation, assessment, and a student educational plan (SEP) in order to receive priority registration dates at Las Positas College. By completing these core services, students not only receive priority registration, but also get to form a partnership with the College to help them develop and realize their educational goals. The SEA program helps students from the moment they apply until they complete their studies at Las Positas College.

Core Services

Orientation

To help with students' transition to Las Positas College, an online orientation is offered for all students, including new, first-time college students. Within the orientation, members of the Las Positas College community will introduce students to the College's programs, services, academic regulations, expectations, campus facilities, and student life. Completion of the orientation is required to participate in priority registration at Las Positas College. Visit www.onlineorientation.net/lpc to access the online orientation. Students must apply for admission before completing the online orientation.

Assessment

Effective fall semester 2019, ACCUPLACER, the standardized assessment test offered through The College Board, will no longer be recognized by the California Community Colleges Chancellor's Office for English and mathematics course placement. Students will be required to answer supplemental questions on the admission application to help with proper course placement. Students are also encouraged to submit transcripts from other regionally accredited colleges and universities, and other recognized standardized test results (e.g., Advanced Placement, International Baccalaureate, etc.). Additional information may be obtained by contacting the Assessment Center or the Counseling Department.

Student Educational Plan

Students are strongly advised to meet with an academic counselor to develop a Student Educational Plan (SEP). Abbreviated SEPs help students get started at Las Positas College for up to two semesters or terms. Comprehensive SEPs help students map their courses through certificate or degree completion and/or transfer.

Track Your Progress with DegreeWorks

Las Positas College now offers a web-based tool to help you keep track of your educational progress. DegreeWorks (DW) allows you to view your Student Educational Plan and confirm what course you have completed, as well as what courses remain, toward meeting your educational objective(s). DW matches your academic and course history, as well as your current course schedule, against the degree requirements as defined in the LPC College Catalog. * Thinking about adding a major, or changing your goal? DW also gives you the opportunity to explore "What If Scenarios," to determine how your courses meet requirements for programs other than your current declared major. For questions about your educational goal or to change your Student Educational Plan, please visit an academic counselor.

To access DegreeWorks, follow these steps:

1. Visit the LPC Home Page and login to CLASS-Web
2. Once logged in, navigate to the Student Service Tab
3. Scroll down and locate the DegreeWorks link.

*A degree audit created in DegreeWorks is not official notification of completion of degree or certificate requirements.

Exemptions to Completing Core Services

Exemption to Orientation

There is no exemption to the orientation for Las Positas College.

Exemption to Assessment

Students may be exempted from assessment with the submission of Advanced Placement (AP) English and/or mathematics test scores of 3 or better (a copy of the AP score report is required); and/or if the student completed a college-level English and/or mathematics course with a grade "C" or higher (official transcripts required), he/she may be exempted from the assessment. Other assessment exceptions may be available. See an academic counselor for more information.

Exemption to Student Educational Plan

There are no exemptions to the Student Educational Plan (SEP). Students are encouraged to meet with an academic counselor to complete an abbreviated or comprehensive SEP in order to map their courses for certificate or degree completion and/or transfer. Students who are exempt from any of the core services still need to meet with an academic counselor to ensure all requirements are met for priority registration. Exemption from core services does not guarantee priority registration.

REGISTRATION

Course Registration Methods

Students may register for classes using the following methods:

1. Via the Internet using CLASS-Web or The ZONE at www.laspositascollege.edu.
2. In-person at the Admissions and Records Office or at the Online Service Center located in Building 1600.

For detailed information on registration procedures refer to the current Class Schedule or visit the Admissions and Records Office website at www.laspositascollege.edu/admissions. Special registration assistance is available to students with disabilities through the Las Positas College Disability Resource Center.

Course Registration Information

New Students & Returning Students

Students who have never attended the Chabot-Las Positas Community College District will need to complete the following steps:

1. Apply for admission.
2. Apply for financial assistance.
3. Complete an online orientation.
4. Take assessment/course placement.
5. Complete your student educational plan.
6. Register for classes.
7. Pay fees.

Continuing Students

Students who have attended the Chabot-Las Positas Community College District during at least one of the two most recent fall or spring semesters are considered continuing students. A course registration appointment date based on the completion of core services of orientation, assessment, and Student Educational Plan (SEP) will be e-mailed to the student's college issued e-mail account prior to the course registration period for the subsequent semester or term. Continuing students at Las Positas College will be assigned a course registration priority number. Visit the college website for information related to course registration priority criteria.

Class Schedule

Before the beginning of each semester or term, a Class Schedule is published indicating courses to be offered – the title of the course, the date and time, a brief description of the course, the name of the instructor, and the room assignment or location. Important instructions and information regarding admission and course registration are included in this publication. The Class Schedule is posted on the Las Positas College website and is available at the College Bookstore.

Student Identification Card

All students are required to carry a valid photo identification card with current validation sticker. This card is essential for use of the library, computer lab, bookstore, and other campus services. Identification cards may be obtained at the Online Service Center, Building 1600. The student identification card is free to students.

Communication via Zonemail Account

All admitted students are given a student e-mail account through The ZONE web portal. All messages from Las Positas College will be sent to this account. Registration dates will be e-mailed to students via the Zonemail account. As students complete the core services of orientation, assessment, and student educational plan, students may be eligible for an earlier registration date than previously assigned. Students are encouraged to check their Zonemail regularly for important notices from Las Positas College.

Students may opt to forward their Zonemail to personal e-mail accounts. In addition to registration date notifications, students will also receive waitlist information, instructor e-mail messages, financial aid notifications and general college information.

Course Registration Procedures

Open Enrollment

In accordance with District policy, all classes are open to enrollment and participation by any person who meets the academic prerequisites of the class and who is otherwise eligible for admission to Las Positas College.

Enrollment Limits

Students are cautioned that some classes and programs may prove to be so popular or so limited by physical facilities and/or availability of qualified instructors that all students who apply cannot be

accommodated.

Waitlist

Students may reserve a space on the waitlist for courses that are closed due to reaching their maximum enrollment limit. During registration, students will be automatically prompted to sign up for the waitlist if the class is closed.

Waitlist Notifications

All notifications for waitlist will be e-mailed to the student's Zonemail account. If a seat becomes available for a course, the student at the top of the waitlist receives a notification e-mail to register for that class within 72 hours. If the student does not take action before the stated expiration date and time, the student loses their spot to the next student on the waitlist.

Priority Registration

Registration priority group and registration dates will be determined by the completion of the core services of orientation, assessment, and Student Educational Plan (SEP), the number of units completed and in progress at Chabot-Las Positas Community College District, and the maintenance of good academic and progress standing.

Under the new regulations, new and continuing students who have completed orientation, assessment, and Student Education Plan, as well as students in good academic and progress standing who have not exceeded 100 units (not including units in basic English, English as a Second Language, or Mathematics) will have enrollment priority over students who do not meet these criteria.

Students will register for courses according to an enrollment priority system as defined by Title 5 regulations and the Chabot-Las Positas Community College District. Priority Group information is included in the current class schedule and is posted on the college website at www.laspositascollege.edu.

Course Prerequisites

Students wanting to enroll in a course with a prerequisite must satisfactorily complete that prerequisite with a minimum grade of "C" or better, or the equivalent, before they are allowed to register. A course has a prerequisite to ensure that a student has the appropriate body of knowledge to successfully take the course. Courses with a co-requisite require that a student either has taken the corequisite before or is taking it at the same time as the courses.

Usually, a prerequisite is a course from a lower sequence of courses. For example: You may not enroll in Math 55 without first passing Math 110 with a "C" grade or better, or the equivalent. Usually, a co-requisite course is a lab or a course that provides supplemental instruction.

To see which courses have prerequisites and/or co-requisites refer to the individual course offerings in this Catalog or the Las Positas College website at www.laspositascollege.edu

Request for Course Substitution or Waiver of Program Requirement

Students who have had substantial prior experience related to the content of a college-level course, and who can present adequate

evidence of their competence, may petition to have enrollment in that class waived without college credit for purposes of satisfying a program requirement. Courses considered for substitution must have been taken at an accredited institution. Petitions for course substitution or waiver of program requirements are available from the Counseling Department. Approval of the request by the Dean of Student Services is required prior to completing registration. Approval shall be based on the following criteria:

1. Adequate evidence of competence as supported by transcripts, statements of employers, military, or technical school certificates, etc.
2. Statement from an instructor that the course reflects the appropriate subject matter and fulfills the necessary program requirements, and signature of the Division Dean to validate the course. Students shall be advised that courses waived receive neither unit nor grade credit and that other courses may be needed to satisfy the total number of units required to complete the program of study.

Limitation on Unit Load

Eighteen (18) units per semester are considered to be a maximum load for a student. In order to take more than the maximum, an approval form must be obtained from an academic counselor. Las Positas College reserves the right to place unit limit restrictions due to fiscal constraints.

Course Conflict / Course Overlap

Students may be permitted to enroll in two classes that meet during any part of the same hour with approval from the instructor. If a class overlaps with another class, the student must request a Class Overlap card at the Admissions and Records Office. The card must be filled out by the instructor and signed off by the appropriate Dean. The student must then return the completed card to the Admissions and Records Office.

Course Withdrawal Procedures

Withdrawing from Classes

Students are responsible for officially withdrawing from classes by the deadline date listed in the current Class Schedule. There is no automatic withdrawal process. Failure to follow the proper withdrawal procedures may result in a grade of "F". Requests to withdraw from a class that are received by the "NGR" (No-Grade-of-Record) deadline will not appear on a student's academic transcript. If a student withdraws from a course after the "NGR" deadline but on or before the "W" (withdrawal) deadline, a "W" will appear on their transcript. A "W" notation will not affect the student's grade point average; however, excessive "W" notations may affect: (1) progress status; (2) status as a full-time student; (3) eligibility for financial aid and other benefits; (4) athletic eligibility; or (5) ability to repeat a course based on Title 5 regulations. Refer to the Class Schedule for important deadline dates.

Total Withdrawal

Students who intend to withdraw from the College must initiate withdrawal procedures for each class in which they are enrolled.

Students are held accountable for clearing all obligations with the College including fees, library books, equipment, and lockers. The deadline for withdrawal from classes with a guaranteed symbol “W” is 75% of class meetings. Visit www.laspositascollege.edu for deadlines.

Instructor’s Withdrawal Option

The instructor may drop students who miss the first meeting of a course. In addition, an instructor may initiate a drop if the student is absent for a total of four (4) consecutive or six (6) cumulative instructional hours and/or two (2) consecutive weeks of instruction.

Instructor’s Withdrawal Option: Distance Education

The instructor may drop students who miss the first meeting of a course. The first meeting of online or hybrid Distance Education courses is the first day of the class as specified in the Class Schedule. For online courses, an instructor may drop students who do not log into their Canvas course and/or complete indicated activities by the third day of classes. Distance Education instructors may drop students if they have not submitted work and/or accessed the class for two consecutive weeks.

Military Withdrawal

If a student is called to active military duty any time during the semester or term, he/she is entitled to military withdrawal (MW). Service men and women must provide copies of their military orders to the Admissions and Records Office.

Excused Withdrawal

Excused Withdrawal occurs when a student is permitted to withdraw from a course(s) due to specific events beyond the control of the student affecting his or her ability to complete a course(s). These events and may include an accident or illness, job transfer outside the geographical region, an illness in the family where the student is the primary caregiver, when the student who is incarcerated in a California state prison or county jail is released from custody or involuntarily transferred before the end of the term, when the student is the subject of an immigration action, or other circumstances making course completion impracticable. Upon consultation with the course faculty and verification of these conditions or reviewing documentation substantiating the condition, an excused withdrawal symbol may be assigned “EW.” The “EW” shall not be counted in progress probation and dismissal calculations.

Course Repetition

Repeating a Course

California Title 5 regulations, as amended, determine the conditions and processes related to repetition, enrollment, and apportionment limits at California Community Colleges. An “Enrollment” occurs when a student receives an evaluative or non-evaluative symbol on their official transcript (A, B, C, D, F, FW, P, NP, NC, CR OR W, I, IP, RD, MW, or EW). Only a military withdrawal (MW) and excused withdrawal (EW) does not count toward “enrollment.”

Unless a course is noted as “repeatable” on the official course outline,

the student who receives a satisfactory grade (C, P, or higher) cannot repeat the course, unless an exemption applies per California Education Code Section 55042(b). If a student receives a substandard grade and/or withdraws from the course, the student is allowed to enroll in that course two more times for a total maximum of three enrollments per California Education Code Section 58161. California Title 5 regulations specify the circumstances under which a student may repeat a course.

Only three kinds of courses can indicate the course is repeatable on the course outline of record. Courses for:

- A. Intercollegiate Athletics;
- B. Intercollegiate competition; or
- C. Any course required as lower division preparation for a major at the University of California or California State University.

For consideration to repeat a course other than those listed above please see a counselor.

Procedures for Course Repetition

For all other requests to repeat a course where the student has been blocked due to exceeding the limit of three attempts, or another reason needs to submit a Petition to Repeat a Course to the Dean of Student Services or designee. This document is required for approval of repetitions beyond the limits noted in California Title 5 regulations. Documentation may be required depending on the reason for the Petition to Repeat a Course.

The following are the specific elements that may be addressed on the Petition to Repeat a Course:

- A. **Significant Lapse of Time:** A student may enroll for one additional attempt if he/she successfully completed the course and a significant lapse of time of more than 36 months have occurred since the student was awarded a grade in the course; and
 - a. There is an established recency prerequisite established by the course curriculum; or
 - b. There is an established recency requirement as established by a transfer institution.
- C. **Extenuating Circumstances:** A previous grade resulted from verified extenuating cases of accidents, illness, or other circumstances beyond the control of the student. Documentation is required that supports the extenuating circumstance.
- D. **Special Course Repetition:** A student with a disability repeating a special class for students with disabilities based on an individualized determination that such repetition is required as a disability-related accommodation for that student. The Disability Resource Center is required to verify the disability.
- E. **Extraordinary Conditions:** One of previous three enrollments noted on the student transcript resulted due to fire, flood, or other extraordinary conditions or if the District was unable to keep the college open for at least 175 days due to fire, flood, epidemic, emergency created by war, or other major safety hazards.
- F. **Legally Mandated Training:** Necessary to meet legally mandated training requirements as a condition of paid or

volunteer employment. Significant Change in Industry or Licensure Standards and condition of paid or volunteer employment. Documentation is required from the agency or place of employment or prospective employer.

- G. **Military Withdrawal:** A student on active or reserve duty in the U.S. Military received orders compelling withdrawal. Upon verification of orders, enrollment does not count in maximum number of enrollment nor withdrawals.
- H. **Portion of Variable Unit Open Entry/Open Exit Credit Course:** Enrollment required to complete one time the entire curriculum of the variable unit course as described in the course outline of record. May not repeat any portion of the course, unless it is: (a) legally mandated; (b) a special class for students with disabilities; (c) justified by extenuating circumstances above; or (d) to alleviate standard work recorded for that portion of the variable unit course.
- I. **Cooperative Work Experience:** Enrollment in a cooperative work experience course.

When a student has repeated a course and earned a passing grade of A, B, C, D, or P, he/she may petition the Dean of Enrollment Services to count, for grade point calculation only, the most recently earned grade. The "Petition For Use of Most Recent Grade in a Repeated Class" is available at the Admissions and Records Office. Physical Education activity courses may not be repeated for a higher grade. Students are advised that both the original and subsequent grade will remain on their transcript and that when transferring to another institution, they may be held responsible for all units attempted.

Course Repetition: Special Circumstances

Students may not repeat a course in which they received a passing grade of A, B, or C. However, under specific conditions, the Dean of Student Services or designee may permit the repetition of courses for which a grade of "C" or better has been received.

These conditions are:

When the student's previous grade is, at least in part, the result of extenuating circumstances. Extenuating circumstances are verified cases of accident, illness, or other circumstances beyond the control of the student;

When a student should repeat a course because there has been a significant lapse of time. A student may enroll for one additional attempt if he/she successfully completed the course and a significant lapse of time of more than 36 months has occurred since the student was awarded a grade in the course; and

1. There is an established recency prerequisite established by the course curriculum; or
2. There is an established recency requirement as established by a transfer institution.

When it is necessary to meet a legally mandated training requirement as a condition of continued paid or volunteer employment.

California Education Code Section 55763 states that grades awarded for courses repeated under these specific conditions shall not be counted in calculating a student's grade point average.

Official College Transcripts

Students who desire transcripts of their academic record must submit a written and signed request to the Admissions and Records Office including the student's name used while attending, the identification number, the number of transcripts requested, and name and address of the designated recipient. Transcripts are provided only in response to a written request and signed from the student. Official transcripts will be mailed directly to the designated recipient.

Copies of official transcripts received from other colleges and universities cannot be forwarded to a third party. Students desiring such transcripts must request them directly from the issuing institution

Fees and Tuition

California Residents – Enrollment Fee

California residents, except those exempt by law, will be charged an enrollment fee of \$46 per unit for classes at Las Positas College. Updates to fee information will be made available at www.laspositascollege.edu or by contacting the Admissions and Records Office.

Nonresident Tuition

Nonresidents of California are required to pay a tuition fee of \$282 per unit in addition to the \$46 enrollment fee and other college fees.

Exemption from Nonresident Tuition

For a list of exemptions please see the Residency information in the Admissions and Records section of this catalog.

International Student Tuition

Tuition for international students, nonimmigrant aliens and students on other types of visas is \$282 per unit in addition to the \$46 enrollment fee and other college fees. International students (F1 and M1 visas) are required to enroll and maintain a minimum of 12 units per semester.

Fees are Subject to Change

Enrollment fees are regulated by the California State Legislature. The College reserves the right to collect enrollment fee increases approved by the California State Legislature from all students including those who have paid fees prior to the implementation of new rates. All fees are subject to change. All attempts will be made to notify students of fee changes in advance.

Payment of Fees

Enrollment each term is conditional upon full payment of fees and tuition. If fees are not paid, classes will be dropped according to the "Drop for Non-Payment" deadline dates listed in the class schedule and College website.

Failure to Pay

College financial obligations may result in the withholding of grades, transcripts, diplomas, verification, or course registration privileges from any student who has been provided with written notice that he/she has failed to pay a financial obligation due to the College. Any item withheld shall be released when the student pays the financial

obligation in full.

Collection Policy

Chabot-Las Positas Community College District may refer a student's outstanding debt to a collection agency and/or the State of California Franchise Tax Board (FTB) for collection. Once referred, additional fees may apply and credit rating may be affected. If debt is referred to the FTB, amount owed may be deducted from a student's state tax refund, California lottery prize, or unclaimed property.

Student Health Fee

Las Positas College provides health services for students through the Student Health and Wellness Center. All enrolled students are charged a mandatory Student Health Fee of \$20 per semester and \$17 in summer. Exemptions from paying this fee are granted as follows:

1. Students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or religion.
2. Students who are attending Las Positas College under an approved apprenticeship training program.
3. Students taking classes held only on Saturday, at an off-campus site, or exclusively online.

To qualify for exemption, students must provide written documentation to the Dean of Enrollment Services.

Student Activity Fee

An optional fee of \$10.00 will be charged each semester. College clubs and organizations, the Student Center, and other student-related services are supported in part by this fee.

Student Representation Fee

A fee of \$1.00 will be assessed of all students each semester. This fee is used for purposes related to representing students' views with governmental bodies.

Parking Permit Fees

Parking at Las Positas College is by permit only. Parking regulations are enforced. A daily permit can be purchased from dispensers located in the parking lots. A full-term permit may be purchased online via CLASS-Web. The fees are:

Car Summer Term: \$20

Car Fall and Spring Semesters: \$40

Motorcycle: \$20.00

Daily Permit: \$3.00

A reduced term parking fee of \$30.00 is available for California College Promise Grant (formerly Board of Governors Fee Waiver) students.

Parking fees are subject to change.

Transportation Fee

With the passage of the Student Mobility Initiative in November 2017, all students are charged a mandatory transportation fee of \$9 (enrolled in six or more units), or \$8 (enrolled in less than six units) per semester. Transportation fees are not assessed during the summer

term. As a result, students are able to ride Wheels buses throughout the semester without having to pay the ridership fare with a valid student identification card. Contact the Student Life Office for more information.

Print Fee Card

Use of a College computer lab requires the purchase of a Print Fee Card obtained from the Las Positas College Bookstore or vending machines in the library and Computer Lab, Room 803. Discounted print cards can be purchased in the Bookstore.

Payment Methods

Students have the option of paying fees by the following methods: (1) Credit card at the time of online registration; (2) check by mail – no cash; (3) Payment in-person to the Admissions & Records Office; or (4) NelNet Payment Plan.

Enrollment Fee Refund

Students may request a refund of enrollment fees as long as the student withdraws from classes during the first two weeks of class for a regular term class, or by the 10% point of the length of a short-term class. Refunds are not automatic. Requests for refunds must be filed by June 30 for the academic year just ended. Credit balances do not carry over from one academic year to the next.

A student who must withdraw for military purpose shall be refunded 100% fees paid, regardless of the date of withdrawal. In this case, requests for refunds made after the end of the academic year will be honored.

To apply for an enrollment fee refund, students must submit a Request for Refund form to the Admissions and Records Office. No refunds will be given to students who withdraw from classes after the No-Grade-of-Record (NGR) deadline. For refund deadlines, see the academic calendar.

A \$10.00 processing fee will be subtracted from each enrollment fee refund with the exception of classes canceled by the College. The student representation fee, student health fee, and student activity fee are not refundable. Refund checks will be sent by U.S. mail approximately six weeks after the NGR deadline.

Nonresident Tuition Refunds

Refunds of nonresident tuition by reason of program reductions or withdrawal from the College will be made in accordance with the schedule indicated below:

1. Withdrawal prior to the first day of instruction in a regular semester, term, or session: 90% Refund.
2. Withdrawal during the first week of instruction for a regular semester, term, or session: 75% Refund
3. Withdrawal after first week of instruction for a regular semester, term, or session: No Refund.

For further information regarding tuition charges and refunds, consult the current class schedule.

Tax Benefits for Education

Information about Tax Benefits for Education including the American Opportunity and Lifetime Learning Tax Credits and

guidance for appropriate tax treatment of educational expenses, financial aid funds, and scholarships is available through the Internal Revenue Service (IRS) at www.irs.gov or the U.S. Department of Education at www.ed.gov.

Students will receive from the Chabot-Las Positas Community College District a 1098T form noting all fees billed and scholarships, fee waivers, and financial aid provided for the applicable tax year. This form may also be downloaded from the student's CLASS-Web or ZONE account.

FINANCIAL AID

Financial aid is a means of assisting students in receiving a college education who would otherwise be unable to afford this opportunity. Selection of students to receive financial aid is based strictly on an analysis of family financial need and is made without regard to age, sex, race, religion, national origin, or physical ability.

The Financial Aid Office administers financial aid in accordance with federal and state regulations and policies. A full range of financial aid programs is offered including fee waivers, Federal Pell Grants, Supplemental Educational Opportunity Grants, Cal Grants, Student Success Completion Grants, Federal Direct Student Loans (subsidized and unsubsidized), Federal Work Study, and scholarships.

Eligibility

To be eligible for most sources of financial aid, a student must be a U.S. citizen, permanent resident, or other eligible noncitizen; maintain satisfactory academic progress; register with Selective Service if required; have demonstrated financial need; must be making satisfactory progress toward a declared approved educational goal or major; have a high school diploma or General Education Diploma (GED); and must not be in default on a student loan nor owe a refund on any grant. Undocumented students who are designated by Admissions as AB540-eligible may qualify for California College Promise Grants and other sources of California state financial aid.

Priority File Completion Deadlines

Las Positas College has established the following financial aid processing deadlines. Federal Pell Grant recipients must have applied for financial aid and followed up by completing their file (submitting all requested supporting documentation by the Financial Aid Office) by the following deadlines in order to ensure receipt of a Federal Pell Grant the first week of classes, if eligible.

Fall Semester: July 11, 2019

Spring Semester: December 13, 2019

How to Apply for Financial Aid

To apply for all federal and state sources of financial aid, U.S. citizens and those in a legal immigration/permanent resident status must complete the Free Application for Federal Student Aid (FAFSA) at www.fafsa.ed.gov. Las Positas College Title IV Code is 030357. A new FAFSA must be completed each school year. Students may complete the FAFSA as early as October 1st of the previous school

year. For example, the 2020-2021 FAFSA is available to complete beginning October 1, 2019 and should be completed no later than March 2, 2020 for maximum financial aid consideration. Processing time from application to payment requires several weeks.

Undocumented students with AB540 status through Admissions, please use California Dream Act.

The federal government will e-mail or mail the student a Student Aid Report which indicates the application results and will electronically transmit the results to the colleges indicated on the application. Once the College receives the student's FAFSA results, students who are enrolled and who qualify for a Federal Pell Grant will be e-mailed a Missing Documentation notice at their personal e-mail address explaining what the student must do to complete their file.

Once a student has completed their file, they will be e-mailed at their ZONE e-mail address an "Award Notification Letter." Award information is available on the ZONE and on CLASS-Web, where the Cost of Attendance, the type and amount of financial aid offered, and expected payment dates are indicated. Students who have not received notification from the Financial Aid Office are encouraged to follow-up to determine the status of their financial aid application.

How Financial Need is Determined

The FAFSA allows the government to determine the Expected Family Contribution (EFC) for each student. The EFC is based on an impartial analysis of the student's total available resources. Financial need is determined by comparing the College's cost of attendance, with the student's EFC. Grants, fee waivers, Federal Work Study, and student loans are distributed to students who indicate financial need through this process.

California College Promise Grant (Fee Waiver)

The California College Promise Grant (previously called the 'BOGFW') waives enrollment fees for qualified residents of California per semester or term. Students may receive a fee waiver for any number of units with no minimum. To qualify, students who have filed a FAFSA or DREAM Application and demonstrate at least \$1,104 in financial need (based on Cost of Attendance, less Expected Family Contribution) qualify. Students may also apply online. The online fee waiver will not qualify students for any other type of financial aid to assist with educational expenses.

California Senate Bill 1456 requires that a student qualifying for a California College Promise Grant meet minimum academic and progress standards to retain eligibility for a fee waiver. As of fall 2016, students who have not met the College's minimum academic and progress standards by demonstration of a minimum 50% overall unit completion rate and 2.0 cumulative grade point average (GPA) in the previous two primary terms of attendance will lose eligibility for a fee waiver until their standards again meet the required minimum or submit an appeal for consideration.

How Grants are Determined

Grants are "gift aid" from the federal or state government that do not require repayment. Eligibility is determined from the results of the FAFSA in accordance with federal and state guidelines.

Federal Pell Grants and SEOG Grants

Federal Pell Grant award amounts vary depending on the Expected

Family Contribution and the student's enrollment status. The dollar amount of Federal Pell Grants varies each school year and are subject to change. Supplemental Educational Opportunity Grants (SEOG) are awarded to full-time students with '0000' Expected Family Contribution, on a first-come, first-serve basis contingent on funding and are subject to change.

Lifetime Eligibility Used for Federal Pell Grants: The federal government has limited lifetime receipt of Federal Pell Grants to the equivalent of six full-time school years. A student may never receive a Federal Pell Grant once six years has been reached. Students may monitor their own Federal Pell Grant eligibility used at <https://nslds.ed.gov/>

Cal Grants

Students should file their FAFSA prior to March 2nd in order to be considered for a Cal Grant for the following school year. Community college students who missed the March 2nd deadline may still apply by filing a FAFSA prior to September 2nd, and will be able to compete for remaining grants for community college students. In addition, each student must ensure that a verification of grade point average be sent to the California Student Aid Commission (CSAC). All students who have completed 16 units (not including English as a Second Language or remedial courses) as of the end of the previous semester at Las Positas College will have their grade point average automatically sent electronically to CSAC. All other students should contact the Financial Aid Office for assistance in determining which school or college is required to complete GPA verification. Students will be notified directly by the CSAC if they have been awarded a Cal Grant or can monitor their status at <https://mygrantinfo.csac.ca.gov/>. Students who receive a California Aid Report (CAR) form should submit it to the Financial Aid Office.

Students may receive a Cal Grant B for a maximum of 4 full-time years, or the equivalent of 8 full-time semesters. In order to complete a program of study within the four years, students must enroll into at least 15 units per semester, or 30 units per academic year. In order to earn a two year degree in two years, students must enroll into at least 15 units per semester, or 30 units per academic year.

Student Success Completion Grant

The Student Success Completion Grant (SSCG) is offered to Cal Grant B and Cal Grant C recipients. In addition to a Cal Grant, students enrolled in 12 – 14.5 units are eligible for a \$649 SSCG per semester. Students enrolled in 15 or more units are eligible for \$2000 per semester. The SSCG is offered as an incentive to be full-time and complete a program in the shortest time possible. Dollar amounts may vary.

California Dream Act

The California Dream Act allows AB540-eligible students to apply for and receive state-based financial aid including the fee waiver and state-based grants. Submission of the California Dream Act Application (CADAA) is required at <https://dream.csac.ca.gov/>.

AB540 students may qualify for the following through the Dream Application:

1. Cal Grants and Chafee Grants;
2. Assistance from EOPS, CARE, and CalWORKs; and

3. Privately-funded scholarships.

For more information, contact the Financial Aid Office.

AB 540 Students and Financial Aid

To receive a California College Promise Grant (previously called the 'BOGFW'), documented AB540 students who are a U.S. citizen or are in a legal immigration status with valid Social Security card must file a Free Application for Federal Student Aid (FAFSA) application at www.fafsa.ed.gov and will automatically qualify if they meet the financial need criteria. They may also qualify for other sources of federal financial aid.

Undocumented AB540 students may apply for a California College Promise Grant (previously called the 'BOGFW') either by completing a California Dream Act Application (CADAA) at <https://dream.csac.ca.gov/> or by applying online.

Undocumented AB540 students without a valid social security number who are recent high school graduates may apply for a California College Promise Grant and an Entitlement Cal Grant by completing the CADAA.

To qualify for an Entitlement Cal Grant, the student must submit a Non-Social Security Number Cal Grant Grade Point Average Verification Form completed by their high school by March 2nd of their high school senior year. They may also apply for a Chafee Grant at www.chafee.csac.ca.gov if they are a former foster youth.

Federal Workstudy

Students with unmet financial need who are enrolled in at least six units may be awarded Federal Work Study to work on-campus, or off-campus in a community service position, as part of their financial aid award. For a listing of current Federal Work Study opportunities visit the Financial Aid Office or their website at <http://www.laspositascollege.edu/financialaid/fws.php>.

Federal Direct Student Loans (Subsidized and Unsubsidized)

Once financial need has been established, students enrolled at least six units may apply for student loans. Students must maintain half-time enrollment in order to remain eligible for student loans. Those with unmet financial need may receive subsidized loans where the federal government pays interest while in school; those without financial need may receive unsubsidized loans where the student pays interest while in school.

Loans may be denied on a case-by-case basis by the Financial Aid Office due to reasons such as lack of progress toward completion of an academic objective, or excessive loan borrowing. Effective July 2013, per federal regulations, students who are new borrowers or students with no outstanding loan balance who borrow again, are limited to receiving a subsidized loan for a maximum of 150% of the length of their academic program, regardless of the amount borrowed. This is the equivalent of three years for a student who is pursuing an associate degree and/or transfer goal. Loan limits are federally established and may never exceed a student's cost of attendance.

Student loan repayment begins six months after graduating or dropping below half-time enrollment. A mandatory entrance and exit counseling session is required for all loan borrowers so that terms of the promissory note, avoidance and consequences of student loan

default, and student notification and responsibilities are very clearly understood. Contact the Financial Aid Office for further information about student loans.

Satisfactory Academic Progress Policy

In order to remain eligible for federal and state grants, federal workstudy and direct loans, a student recipient is required to maintain certain academic and progress standards in accordance to the Satisfactory Academic Progress (SAP) policy. This policy requires that students maintain a 2.0 minimum semester and cumulative grade point average (GPA) and maintain at least a 67% minimum semester and overall unit completion rate.

In addition, the maximum time-frame allowed for students to receive financial aid measured in attempted units is 150% of the student's educational program length of a certificate, associate degree, or transfer. The maximum time-frame for certificate programs are substantially less, depending on the units required for completion as defined in the college catalog.

For example: If a student is pursuing a 30-unit certificate, a student may receive aid until they reach 45 attempted units, which is 150% of the program length. Earned units from previous colleges that may be accepted for credit are added to the total units attempted at Chabot College and Las Positas College to determine the combined total units toward maximum time frame.

In addition, consequences of not meeting the minimum requirements, disqualification, appeal procedures, and reinstatement of financial aid eligibility are addressed in this policy. This policy is different from the college's general standards and is based on Federal Title IV regulations.

The link to the full policy is e-mailed to each student along with his/her financial aid award notification, and is posted on the Financial Aid Office website.

Complete Withdrawal from Classes or Earning No Credit After Receiving Aid

Federal law requires students to repay a portion of the funds received if they completely withdraw before the 60% point of the term, as measured in calendar days, not school days. Note: if a student withdraws after he/she has earned 60% of his/her grant, the student does not owe any repayment. Students who earn no units in a term with a zero grade point average (GPA) are subject to the same repayment regulations unless the student can document that he/she remained in class past the 60% point of the term.

Students who are considering withdrawing from the College are highly encouraged to visit the Financial Aid Office prior to withdrawal to discuss the financial ramifications and to receive advice about their potential repayment.

Once the College notifies the withdrawn student of the Return to Title IV amount due, the student will have 45 calendar days to repay any amount due to the College, which then will be returned to the federal government. If not repaid within 45 days, a national "Hold" may be placed on the student's federal financial aid record. The student will lose eligibility for all federal student aid nationwide, until satisfactory repayment arrangements are made with the federal government or until the debt is repaid in full. At the end of the school year, the account may be referred to the federal government for

collection.

The amount of institutional funds the College is required to pay the federal government on the student's behalf will be posted immediately on the student's account and a College "Hold" will be placed. The "Hold" will be lifted only upon full repayment, or upon reaching a repayment agreement with the Financial Aid Office. The "Hold" will be reinstated if the repayment terms of the contract are not upheld. Any portion of the institutional portion of repayment due directly to the College which is unpaid at the end of the school year may be referred to the state collection program. The amount of institutional funds the College is required to pay the federal government on the student's behalf will be posted immediately on the student's account and a College hold will be placed. The hold will be lifted only upon full repayment, or upon contracting a repayment agreement with the Financial Aid Office. The hold will be reinstated if the repayment terms of the contract are not upheld. Any portion of the institutional portion of repayment due directly to the College which is unpaid at the end of the school year may be referred to the state COTOP collection program, which repays the debt (in addition to a 25% collection fee) by retaining funds from the student's state income tax refund.

Other Sources of Funds

Scholarships are funds generally made available by sources other than the government such as private businesses, organizations, clubs, colleges, etc. for students to help with the costs of their education. Generally, students must compete for scholarships with criteria.

Las Positas Scholarship Program

The Las Positas College Scholarship Program is advertised at the beginning of each spring semester each year with an established deadline. Students may begin to apply for a variety of awards available only to LPC College students. Scholarship recipients are invited to attend the College's Annual Student Scholarship Ceremony held in May. Scholarships are awarded for the following academic year. Scholarships do not need to be repaid.

External Scholarship List

A list of current scholarships is posted at the Financial Aid Office and on the Financial Aid Office website, www.laspositascollege.edu/financialaid/, and is updated frequently. These are scholarships from local, statewide, and national organizations or foundations, which are not specifically for Las Positas College students, but which may be of particular interest to Las Positas College students. Deadlines vary greatly, so students should check the scholarship list frequently for updated information.

Other Scholarship Opportunities

Thousands of scholarship opportunities are available to students. The best source of scholarship information is through the Internet. Students can search huge databases to seek scholarships for which they meet the qualifications, or take advantage of several free online scholarship searches, which do the searching for the student based on an application the student completes. Las Positas College recommends several excellent free searches on the Financial Aid Office website at <http://www.laspositascollege.edu/financialaid/scholarships.php>

Financial Aid Warning

Students must use caution and discretion when visiting online websites that advertise free scholarships. Not all Internet scholarship websites are secure and may compromise identity resulting in identity theft. Students should not pay for scholarship assistance.

Financial Aid Office

The Financial Aid Office is located on the second floor of the Student Services & Administration, Building 1600.
Telephone Number: (925) 424-1580
E-mail Address: lpcfinaid@laspositascollege.edu

Financial Aid Fraud and Abuse

The Financial Aid Office is responsible for awarding and ensuring that financial aid funds are disbursed to eligible students. In the event there are concerns about the accuracy or truthfulness about information or documents provided, the Financial Aid Office will not award or disburse financial aid. If it is determined that a student has attempted or received financial aid by providing false or misleading information, failure to formally withdraw when no longer attending classes, or otherwise manipulating eligibility criteria in an attempt to receive financial aid, all funds received must be repaid, and the student will be referred to the U.S. Department of Education, Office of Inspector General, for possible investigation and prosecution for fraud.

Directory of Resources for Financial Aid

Federal Student Information Center

For questions about federal student aid:
8:00 a.m. to 8:00 p.m. (Eastern Standard Time)
1 (800) 433-3243

U.S. Department of Education

Federal student aid information:
<https://www2.ed.gov/finaid/landing.jhtml>
<https://studentaid.ed.gov/sa/>

FAFSA Online

To file a financial aid application online, or to review your FAFSA information or make changes visit: www.fafsa.gov.

California Dream Act

For information about the California Dream Act Application, please contact the California Student Aid Commission (CSAC) by visiting <https://dream.csac.ca.gov/>.

California Student Aid Commission

For information about California state-based financial aid information, please contact the California Student Aid Commission (CSAC) by visiting <http://www.csac.ca.gov/>.

National Student Loan Data System

For information regarding a student's detailed loan history and Federal Pell Grant Lifetime Eligibility Used visit <https://nslds.ed.gov/npas/index.htm>.

For student loan default prevention, call 1 (800) 298-9490.
For Paid-in-Full Letters for defaulted borrowers, call 1 (800) 367-1589.

Selective Service Registration Information

All male students between the ages of 18 to 25 years old need to register with Selective Service in order to be considered for federal student aid. Students may check their registration status or register directly online at <https://www.sss.gov/Registration-Info>.

Internal Revenue Service

For copies of tax forms or for a free copy of "IRS Tax Transcript" contact the Internal Revenue Services by visiting their website at www.irs.gov.

VETERANS EDUCATIONAL BENEFITS

Veterans First Program

The mission of the Veterans First Program at Las Positas College is to facilitate the transition of servicemen and women from military to college life, and to assist them with educational, financial and other forms of support. The program's foundation is built on a basic principle of service.

Since the establishment of the Veterans First Program in 2007, Las Positas College has continued to expand its services to support the student success of the increasing number of veterans enrolling at the College. The primary program goal is to provide comprehensive services that recognize the unique experiences and needs of our veterans as they pursue their educational and career objectives. The Veterans First Program also provides services and programs for active duty members, reservists, and spouses and/or dependents of Veterans.

The Veterans First Program staff serve as liaisons to the United States Department of Veterans' Affairs, and they will make every effort to provide speedy educational benefit payment with a minimal amount of difficulty.

Las Positas College is approved to offer instruction to service persons, reservists, and other eligible persons under Title 38, U.S. Code and Department of Veterans Affairs (VA) regulations. Eligibility for benefits under any of these programs is determined by the appropriate federal or state agency, and not by the College. In addition, we provide other resources and contacts, such as the ones listed below:

1. Comprehensive 2000 square foot Veterans Resource Center with a study room, computer room, lounge, reception area, and offices.
2. Student Veterans Organization.
3. VA Educational benefits application, process, and certification.
4. Veterans First Program Coordinator.
5. Veteran Emergency Book Loan / Text Book Borrowing Program.

6. Dedicated fulltime Veterans academic counselor and fulltime Veterans Specialist.
7. Priority Registration for Veterans, Active Duty, Reserves, and National Guard.
8. Scholarships for Veterans.
9. Veterans Affairs Work Study program.
10. Operation Gateway – Transition program for returning Veterans 2-day orientation geared to support Veterans’ transition to success.
11. Health care services on campus provided by nationally recognized Palo Alto VA Health Care Representatives.
12. California State Fee Waiver program for spouse and dependents of Veterans.
13. On campus workshops and events – VA Educational Benefit Programs, Honoring Veterans Day on-campus, Honoring Women Veterans, Resume Writing for Veterans, Internships, etc.
14. Individualized and group academic subject support.
15. Financial Planning workshops and appointments.

We encourage Veterans attending Las Positas College to contact the Veterans First Program in-person, by phone, or by e-mail with questions pertaining to their education, veteran affairs, educational benefits, or anything else for which they need information.

Veterans Access, Choice and Accountability Act (VACA)

The VACA Act (38 U.S.C. 3679(c)) requires the U.S. Department of Veterans Affairs (VA) to disapprove programs of education under the Montgomery GI Bill-Active Duty (MGIB-AD) and Post-9/11 GI Bill education benefit programs (Chapters 30 or 33, respectively, of Title 38, U.S. Code) at institutions of higher learning if the school charges qualifying veterans and dependents (“covered individuals”) tuition and fees in excess of the in-state rate for resident students for terms beginning after July 1, 2015. A “covered individual” is defined in the VACA Act as:

1. A Veteran who lives in the state in which the institution of higher learning is located (regardless of his/her formal state of residence) and enrolls in the school within three years of discharge from a period of active duty service of 90 days or more.
2. A spouse or child entitled to transferred education benefits who lives in the state in which the institution of higher learning is located (regardless of his/her formal state of residence) and enrolls in the school within 3 years of the transferor’s discharge from a period of active duty service of 90 days or more.
3. A spouse or child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (provides Post-9/11 GI Bill benefits to the children and surviving spouses of service members who died in the line of duty while on active duty) who lives in the state in which the institution of higher learning is located (regardless of his/her formal state of residence) and enrolls in the school within three years of the Service member’s death in the

line of duty following a period of active duty service of 90 days or more.

4. After expiration of the three year period following discharge or death as described in 38 U.S.C. 3679(c), a student who initially qualifies under the applicable requirements above will maintain “covered individual” status as long as he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters or terms) at the institution, even if they enroll in multiple programs and shall continue to be exempt from paying nonresident tuition and other fees.

Veterans Benefits Eligibility for Certificate Programs

Pursuant to 38 CFR 21.7020(b)(22), a vocational objective is one that leads to an occupation. It may include educational objectives essential to prepare for the chosen occupation. When a program consists of a series of courses not leading to an educational objective, these courses must be directed toward attainment of a designated professional or vocational objective. To be in compliance with Federal regulations noted in 38 CFR 21.4252 (b)(4), the College will be required to provide data to support the student’s gainful employment upon completion of their certificate educational objective. Without this data, the certificate may not be deemed as eligible for VA educational benefits. Please contact the Veterans First Program for additional information on which certificate programs are eligible for VA educational benefits.

Certification Process

New students should first enroll in the College and register into courses, following the regular matriculation process for all students. Once enrolled, students may apply for VA benefits by completing a VA Application for Educational Benefits, which is available from the Veterans Office and an Enrollment Certification Request form and they must submit a DD214 if the veteran served on active duty. Students must request enrollment certification each semester. Students must notify the VA Office if their enrollment, major, or address changes. The VA Office will make necessary certifications of enrollment, changes in enrollment, and progress.

Evaluation of Prior Education and Training

By the third semester, all students receiving veterans educational benefits are required to: (1) have submitted to the Veterans Office or the Admissions and Records Office, official academic transcripts from each school previously attended; (2) have submitted a DD214 if they were on active duty; and (3) complete a “Veterans Evaluation” with a College counselor, which establishes a personalized education plan based on prior education and training and the student’s current academic objective. The institution will conduct an evaluation of all previous education and training and will grant appropriate credit, shorten the veteran’s or eligible person’s duration of the intended course proportionately, and will notify the VA Regional Center and the student accordingly, in compliance with Title 38 regulations.

Veteran Evaluations can be approved for multiple degrees on one Evaluation of Course Requirements, but cannot be approved for more than two majors on a single Veteran Evaluation. Dual majors pursued under an academic policy that defines the dual major’s requirements can be certified if both majors are approved. Only courses required to complete the dual major can be certified. During VA site visits, or

during compliance surveys, if VA reviews a case for a student who is pursuing dual majors, the Veterans Office must ensure the student is not enrolled in courses outside either major and that the courses are approved. A student may want to pursue a dual objective. For example, a student may want to concurrently pursue two different degrees or pursue a degree and a certificate. A program of education may lead to more than one educational, professional, or vocational objective if all objectives pursued are generally recognized as being reasonably related to a single career field. The objectives do not necessarily have to be on the same professional or technical level.

Course Restrictions for Certification

Courses will NOT be certified for benefits after the second semester until the Veterans Evaluation is complete. Only courses that meet requirements or their prerequisites for the major and degree objective as indicated on the evaluation will be certified for payment. If the academic objective is changed, the student must complete a new evaluation accordingly. The College can only certify for Certificate, AA, or AS majors listed in the college catalog, or for transfer majors for which official articulation has been completed between Las Positas College and the intended transfer college.

Veterans will be permitted to enroll into work experience courses under the Parallel Plan as practical training for their major.

There are individual academic programs and courses listed in the Catalog that may not meet VA approval for educational benefits. Contact the College Veterans Office to determine if your intended program is approved for benefits.

Note: Programs previously approved are subject to change as determined by the U.S. Department of Veterans Affairs.

Students may pursue multiple degrees such as associates, certificates, and transfer degrees to accredited institutions at the same time.

Waiver of Wellness with DD214 w/ Honorable Discharge Option

Student Veterans have the option of request waiver of area of Wellness for Associates in Arts (AA) Degree or area of Kinesiology for Associates in Science (AS) Degree and be granted 3 elective units towards my degree plan. If they wish to have the waiver they must complete and submit the Waiver of Wellness with DD214 w/ Honorable Discharge with a copy of DD214 to the Veterans Office to have either the Veterans counselor or Veterans coordinator approve with their signature on this form.

Dependents of Veterans

A student who is a dependent of a veteran with a service connected disability or who died of a service-connected cause may be eligible to receive a waiver of tuition and registration fees through the California Dependents of Veterans College Fee Waiver Program.

Application forms and additional information may be obtained by contacting the local county veterans service officer, listed in the telephone directory under county government, or by calling (916) 653-2573. Approved authorization forms may be submitted directly to the Financial Aid Office for a fee waiver.

Eligibility for Programs

Eligibility for VA educational benefits can be extended to veterans,

reservists, and children of service-connected deceased or disabled veterans under the following programs:

Forever GI Bill – Harry W. Colmery Veterans Educational Assistance Act

The President signed into law the Harry W. Colmery Veterans Educational Assistance Act also known as the “Forever GI Bill,” which will bring significant changes to Veterans educational benefits. The law is named after the American Legion national commander who wrote the original GI Bill Language in 1944, and will allow more Veterans to use the GI Bill and more time to use it. Some of the changes will go into effect immediately, most will not. The majority of the changes enhance or expand educational benefits for Veterans, Service members, Families, and Survivors.

The Montgomery GI Bill (Chapter 30)

Enlistment after July 1, 1985 is required. The service-person must have participated in the pay reduction program. The monthly payment rate will vary with the length and type of service. Monthly “self-certification” is required to insure benefit payments.

U.S. Department of Veterans Affairs Vocational Rehabilitation Program (Chapter 31)

This program is available to certain veterans who have a service – connected disability of 20 percent or greater. It provides a monthly stipend and also covers the cost of tuition, books, supplies, and tutorial or special assistance. Although the date of entry to active service is not considered, students should use this benefit within twelve years of the date of discharge. Eligibility is determined on a case-by-case basis.

Post-9/11 GI Bill (Chapter 33)

A new education benefit program for individuals who served on active duty on or after September 11, 2001. Eligibility is determined by length of service and entitles the veteran to a percentage of the following: Cost of tuition and fees, monthly housing allowance, and a yearly stipend for books and supplies up to \$1,000.

Dependents’ GI Bill (Chapter 35)

A child or spouse of a service-connected deceased or 100-percent – permanently disabled veteran may be eligible for VA educational assistance. The marital status of a dependent child is not a factor in determining eligibility. Benefits may be used until the dependent has reached the age of twenty-six or for eight years from the date that eligibility is determined, whichever is later.

Reservists Montgomery GI Bill (Chapter 1606)

Enlistment or extension for six years of reserve duty after July 1, 1985 is required. This program does not require a contribution by the service member, but the reservist must be actively drilling.

Educational Planning

Since many universities and colleges do not accept credits that other schools have granted for military service, students who desire to transfer military credit should consult the policy of the university or college to which they intend to transfer.

Students are encouraged to make an appointment with an academic

counselor and to visit the Transfer Center to learn more about the transfer of credit.

Minimum Grade Point Average Requirements

The Veterans Administration (VA) requires students on educational benefits maintain satisfactory progress. If the student on VA benefits falls below 2.0 grade point average (GPA) over two semesters, this is reported to the VA as unsatisfactory progress and benefits are suspended. To reinstate benefits, students must complete one semester with a 2.0 or higher GPA. Las Positas College is required by law to have and to enforce standards of progress and conduct in order for their programs to be approved for VA benefits.

General Information for Veterans

The Las Positas College Veterans Information brochure and the college catalog provides information on basic eligibility requirements, student responsibilities, evaluation of prior credit, declaring academic objectives, variable-unit courses, withdrawal from classes, and repetition of courses.

Priority Registration for Veterans

At Las Positas College in order to be assigned priority registration, veterans, reservists, and active duty members must complete the college's orientation, assessment tests, student educational plan, and provide a copy of their DD-214, NOBE, or military orders to the Veterans First Program.

DD-214 Credit

Qualified Veterans may receive three (3) units of elective credit towards the associate degree. Contact the Counseling Department or Veterans Office for more information for more information.

Directory of Resources for Veterans

Las Positas College Veterans First Program

Telephone: (925) 424-1571
 Website: <http://www.laspositascollege.edu/veterans/>

California Department of Veteran Services

1227 O Street, Sacramento, CA 95814
 Telephone: (800) 952-5626
 TDD: (800) 324-5966
 Outside California: (800) 221-8998
 Website: <https://www.calvet.ca.gov/>

Additional Veterans Resources Educational Benefit Inquiries

Telephone: (888) 442-4551

Debt Management Center

Telephone: (800) 827-0648

U.S. Department of Veterans Affairs

California Palo Alto Health Care System
 3801 Miranda Avenue
 Building 5, Room C-384

Palo Alto, CA 94304-1290
 Telephone: (650) 493-5000 ext. 66975

GI Bill

Website: www.gibill.va.gov/

Oakland Veterans Center

1504 Franklin Street, Suite 200
 Oakland, CA 94612
 Telephone: (510) 763-3904 or (877) 927-8387
 Fax: (510) 763-5631

PTSD and Combat Veterans

Website:
https://www.ptsd.va.gov/understand/common/common_veterans.asp

Survivors Benefits

Website: www.vba.va.gov/survivors/index.htm

Student Veterans of America

Website: www.studentveterans.org/

Swords to Plowshares

Website: <https://www.swords-to-plowshares.org/>

Transition Assistance Program

Website: <https://www.dol.gov/vets/programs/tap.htm>

Veterans Affairs Suicide Prevention

Telephone: (800) 273-8255 (Press 1 for Veterans)
 Website: www.suicidepreventionlifeline.org

Veterans Health Care

Telephone: (877) 222-8387

Vocational Rehabilitation Employment

Telephone: (800) 827-1000 (Press 1, then Press 0)

Women Veterans Information

<https://www.calvet.ca.gov/calvet-programs/women-veterans>

ACADEMIC SERVICES SUPPORT

Campus Resources

Library (Learning Resources Center, LRC)

The Library at Las Positas College is located in Building 2000. The mission of the Library is to provide the information services and resources required to meet the needs of the educational programs of the College. It exists to facilitate and improve learning by supporting and expanding the instructional capabilities of the College and

providing students with the opportunity to develop information competency skills for lifelong learning. The Library offers reference and instructional services to meet the needs of students, faculty, and staff. The Library encompasses all types of print, non-print, and online resources including a wide variety of books, audiovisual materials, magazines and newspapers, and full-text periodical databases. The Library also provides access to course textbooks placed on reserve by faculty. The Library maintains an extensive website that provides access to the Chabot-Las Positas College Libraries online catalog, online databases, and research and instructional guides. The Library facilities include computer labs, study carrels, and group study rooms. Registered students, faculty, and staff with current College ID cards may check out books and materials from both the Las Positas College and Chabot College Libraries.

Tutorial Center

The Tutorial Center, located in the Multidisciplinary Building, (Room 2401), is dedicated to providing the support and assistance students need to be successful in their course work and study skills. Scheduled and drop-in tutoring in specific content areas, study skills assistance, online tutoring, reading and writing help, and a quiet place to study are provided free of charge. Student tutors are recommended by faculty members for their positions and receive course credit for tutor training. Students are invited to request tutoring, seek positions as tutors, or use the study Tutorial Center facilities at any time during the spring and fall semesters. For more information, study help, instructions to sign-up for online tutoring, and current hours go to the Tutorial Center website at: www.laspositascollege.edu/tutorialcenter/

Reading and Writing (RAW) Center

The RAW Center offers free, one-on-one tutoring from an English or ESL instructor. Instructors will help students with any reading and/or writing assignment from any class, and will also assist with transfer application and scholarship statements. The RAW Center also offers online reading and writing support. For more information, including hours of operation and online lessons, please visit the RAW Center website at: www.laspositascollege.edu/RAW/

Integrated Learning Center (ILC)

The Integrated Learning Center in Building 600 houses the Mathematics Learning Center and attached labs for English as second Language courses.

Mathematics Learning Center

The Mathematics Learning Center, formerly known as the Open Math Lab, is located in the Integrated Learning Center (ILC) in Building 600. The MLC offers FREE drop-in math help to students enrolled in LPC mathematics courses. Students enrolled in a concurrent support course or needing drop-in math help can take advantage of the resources the MLC has to offer. The Mathematics Learning Center is staffed by LPC Mathematics faculty.

English as a Second Language

ESL students can take advantage of the following services:

- Computer-assisted learning opportunities, including grammar and vocabulary activities
- Complete their 1 hour lab assignment for each course

- Work with study groups and instructors

Computer Center

The Computer Center located in room 803 is a quiet open computer lab equipped with PC and Macintosh computers, printers, and helpful staff. Computers are available for currently enrolled students on a “first come, first served” basis. Printing from campus computers requires a print fee card which can be purchased from the Bookstore or the card dispensers in the Library and Computer Center.

Special Academic Programs

Adult Education Program

Continuing Education classes, also known as “noncredit,” are financially supported by the state of California and are offered tuition-free. Continuing Education classes are designed to provide students with a high-quality learning experience. Tuition-free classes include ESL (English as a Second Language), Elementary and Secondary Basic Skills Math & English, Short Term Vocational and Workforce Preparation. Some courses may require a materials fee or the purchase of a textbook. These classes do not earn college credit.

Honors Transfer Program

The Honors Transfer Program is designed to provide highly-motivated students with academic challenges that encourage independent thinking and creative learning. Members of the Honors Transfer Program (HTP) have the option to participate in honors academic activities, including honors courses and individual honors contracts. Honors courses and completed contracts receive an “Honors Course” designation on the student’s transcript. Students who complete the program and graduate from Las Positas receive special recognition and an honors seal affixed to their diploma. For eligibility requirements and further information, go to the Honors Transfer Program Website at: www.laspositascollege.edu/honors

Independent Study

Independent study courses are open to all students. Independent study must be contracted through an instructor for research, field experience or skill development. Check with the Counseling Department concerning transferability of these courses to four year institutions.

Work-Based Learning Program

Las Positas College provides clear academic pathways to improve the workforce and economy of our community. To support this mission, we have established a Work-Based Learning Program—a collaboration with local business and industry to develop career and work experience opportunities, internships and mentoring programs, and community work and study placements directly related to a vocational field of training. This partnership benefits both employers and students, ensuring a talent pipeline of skilled workers from our college to the workplace and reinforcing and expanding students’ classroom learning. As part of the Work-Based Learning Program, Las Positas College also offers courses and an internship and job board. Students can choose from two courses that link the classroom with the workplace and focus on 21st century work skills: General Work Experience, for students with any type of employment or

volunteer work, and Occupational Work Experience/Internship, for students who work in positions related to their major field of study. The Las Positas College Internship and Job Board connects our students and alumni with area employers. Employers can post positions and search résumés. Students and alumni can search positions, post their résumés, and sign up to get notifications about our college job and internship fairs, newly posted positions, and career tips. This free service is linked on our homepage and can be accessed at <http://laspositascollege.edu/internship-job-board/>. For more information about our Work-Based Learning Program, please visit <http://www.laspositascollege.edu/careercenter/work-based.php> or email WBL@laspositascollege.edu. For information about our Work Experience courses, please visit <http://www.laspositascollege.edu/workexperience/>.

Community Education

Community Education classes are designed to provide personal development, cultural enrichment, and job training to people of all ages. These classes are fee-based and not for college credit. At present, Community Education offers classes in fitness and health, human development, home and garden, computer and workplace skills, business, arts and letters, personal and small business finance, and college preparatory skills. The program also offers contracted training for small businesses (catered to meet business needs) in workplace skill-building. Some classes offered through Community Education do provide Continuing Education Units (CEUs) for professions such as for Nursing. For information regarding Community Education classes at Las Positas College or to suggest a Community Education class, call 925.424.1467.

Contract Education

Las Positas College contract education classes are offered through the District Office through contracts for educational services with public or private agencies, corporations, associations, or individuals. An active outreach program in contract education is conducted by the District to help business, industrial and public organizations develop training programs tailored to meet their needs. Examples include Business Communications, Supervision, CPR and First Aid, English as a Second Language, Commercial Law, Word Processing and Computer Skills, Pre-Retirement Planning, Radiation Technology, Technical Writing, and certificate or degree programs in technical and general education. Courses can be offered “on-site” (at the employer facility) or on campus. Organizations or persons desiring information on how the District can provide educational training programs to meet specific training needs should telephone 925.249.9372.

High School/ROP/Adult School Articulation

High School/ROP/Adult School articulation provides a legal process to align the course curriculum from these schools to community college and university courses. Articulation is the alignment and comparability of coursework between two levels of education, such as high school and community college. It is established through discipline specific faculty-to-faculty collaboration. Las Positas College (LPC) has many articulated courses. These articulation agreements create sequences of progressive, non-duplicated education leading to technical skill proficiency, a credential, a certificate, and/or a degree in a wide range of fields and careers. Students benefit from developing high-demand career skills that support their success in the workforce

and give them a competitive edge. Rigorous Career Pathway programs also provide college prep students with opportunities to apply academic content in real-world applications. Students successfully completing the articulated courses may be eligible for advanced placement in the LPC program, and, in most cases, opportunities to earn college credit. To learn which classes are currently under articulation agreements visit:

<http://laspositascollege.edu/articulation/courses.php>

Career Education

Las Positas College (LPC) Career Education (CE) programs focus on providing students with the technical and soft skills necessary to help them be successful in the workplace. Simply put, CE programs prepare students for current or emerging jobs. Hands-on training, relevant and engaging classes at LPC, train students for a wide range of high-wage, high-skill, high-demand careers, and further educational opportunities. Now more than ever, CE programs are needed to boost the strength of their workforce, global competitiveness, and the economic health of the nation. LPC offers 60 CE certificate programs, 23 related degrees, and hundreds of classes each semester. Day, evening, and online classes are offered year-round to allow students to plan a flexible schedule to fit their busy lifestyles. Visit <http://lpcazure.laspositascollege.edu/careereducation/programs.php> to learn more about LPC’s Career Education programs.

Distance Education

Las Positas College typically offers Distance Education classes in two formats: online, which is conducted over the Internet; and hybrid, which is a combination of online and on-campus instruction. In addition to class sessions, materials, and exercises being accessible online, Distance Education classes make full use of interactive technologies, such as email, discussion boards, blogs, chat, and even group assignments so students can stay connected with their instructor and fellow students.

Because Distance Education classes offer access to accommodate the varied lifestyles and learning styles of students, Las Positas College offers an array of General Education classes in this format. The classes are designed to be equivalent and comparable to their counterpart on-campus courses in quality, learning outcomes, special requirements, course fees, and credit.

Moreover, students can take Distance Education classes to earn many, if not all, of the units necessary to obtain certain degrees and certificates. Current class offerings can be found in the Class Schedule and on the CLASS-Web website. Students can enroll in these classes through the regular college registration process. Las Positas College strives to offer equivalent services to online students as it does to on-campus students.

Links for the above websites can be accessed from the College’s home page at www.laspositascollege.edu. For more information, including support services, orientations, success tips, and privacy information, see the Las Positas College Online Learning website, or call 925.424.1142.

COUNSELING SERVICES

Counseling services are central to student success at Las Positas College. Counselors provide academic, career, and personal counseling services. They orient new students and teach Psychology-Counseling courses in Career Development, Human Services, Student Success and the College Experience, Study Skills, and Transfer Planning. Each student meets with a counselor to select courses based upon the student's skills and interests and develops a Student Educational Plan (SEP) to meet academic, career, and personal goals. Course placements are established, and articulation agreements with four-year colleges and universities are used to create accurate SEPs for transfer. Counselors remain available to students throughout their college career to discuss concerns that may be affecting their academic progress.

Academic Counseling

Counselors assist students with selection of courses based upon the student's assessed skills, their selected career, associate degree, and/or the institution to which they plan to transfer. Students are encouraged to meet with a counselor in their first semester to develop a Student Educational Plan (SEP) to assure their path meets their individual goals.

Career Counseling

Counselors are available to assist students in self-assessment and career selection processes. Students will be encouraged to examine their skills, interests, and aspirations and to research career possibilities that offer opportunities for utilizing their unique skills and personal qualities.

Personal Counseling

Counselors hold graduate degrees in counseling-psychology or related fields and provide individual and group counseling. Short-term confidential personal counseling is available to help students discuss ways to remove personal barriers to their academic progress. Referral to community resources is available for those requiring long-term personal counseling.

Online Counseling

Online Counseling services are available for students who would like to meet with a counselor but are unable to attend in-person. Online counseling allows for Web-based interaction with a counselor and the opportunity to review student needs and plan individual educational goals.

Counseling E-mail

Students and prospective students can contact the Counseling Department to receive answers electronically from counseling representatives at: lpc-counseling@laspositascollege.edu.

Assessment

The assessment process is a vital part of the College's counseling service. New students, unless exempt, are assessed in English, English as a Second Language (ESL), mathematics, and chemistry skills. Counselors utilize this information, along with other measures, in helping students to select courses appropriate to their skills and academic goals.

Multiple Measures

The mission of Las Positas College is to provide quality educational opportunities to all students who seek to increase their knowledge and to improve their skills by enrolling in general education, career and transfer education, continuing education and basic skills courses. While it is recognized that the final responsibility for the selection of proper courses rests with the student, the College offers a variety of programs and services prior to enrollment to help advise students about how to match their individual educational needs with specific college resources. Any single assessment instrument will be inadequate for successfully advising students as to appropriate course enrollment. Multiple measures assessment must, therefore, be the process for all recommended course enrollments, including advice given by counselors, instructors, and other personnel.

Multiple measures assessment is broad in scope. No list of factors that may be included in a multiple measures assessment is exhaustive; however, some general categories and examples can be outlined. Student factors may include cognitive skills, which may be inferred from test scores, grade point averages (GPA) and transcripts; emotional well-being, motivational level and educational goals which may be elicited in an interview or self-reported; social factors, such as life experience, family responsibilities and social support for educational effort; economic factors, such as job demands and financial resources; and physical factors. Factors associated with the instructor, the institution and the community can often interact with student factors to further indicate the potential for success in a given course.

New Student Orientation and Program Planning Session

Students new to the College and who are without previous college experience are encouraged to attend a scheduled planning session prior to registering for classes. The session includes an in-person student orientation to learn vital information for making informed decisions about their college career and academic choices. Counselors will provide interpretation of the student's assessment results and help them select their first semester courses. The program planning portion is scheduled after the assessment session. An online orientation is also available for completion by new and returning students.

Career and Transfer Services

Career planning is an integral part of the educational process. Current students may research majors and occupations by using the free online EUREKA program. A password may be obtained by visiting the Career Center or by meeting with a counselor. Another

opportunity for students to explore possible majors and careers is to enroll in Psychology-Counseling 10 (Career and Educational Planning). This course provides career assessments, in-depth career exploration, and guidance in educational planning for transfer. Currently, in-person services in the Career Center are limited; however, students can access a wealth of career and employment related information on the following website at www.laspositascollege.edu/careercenter/. Students can also request to make an appointment with a counselor for career exploration.

Extensive transfer services are coordinated and provided through the Career and Transfer Center. Transfer services include: individual appointments with counselors, individual appointments with four-year college and university representatives; access to a library of college and university catalogs, both in print and online; coordination of Transfer Admission Guarantee (TAG) programs; referrals to appropriate faculty and supportive services; assistance with technology in the articulation of coursework, and college applications; transfer events, including Transfer Day; fieldtrips to in-state and out-of-state colleges and universities; and workshops that assist with transfer planning, the application process, and the personal statement. Visit www.laspositascollege.edu/transfercenter for up-to-date information.

Employment Services

For employment services, Chabot-Las Positas Community College District partners with the Tri-Valley One-Stop Career Center. The One-Stop Career Center provides free career and employment services to students and community members. For more information, visit the One-Stop Center website at: www.trivalleyonestop.org

STUDENT PROGRAMS AND SERVICES

Disabled Student Programs and Services (DSPS)

Disabled Student Programs and Services (DSPS) is committed to excellence and accessibility for all students. DSPS offers support services for students with physical, communication, learning, and psychological disabilities. Support services include priority registration, academic, career, and disability-related counseling, new student orientation, interpreters, note takers, test-taking facilitation, and community referrals. Students with verifiable disabilities are eligible for accommodations related to those disabilities. Credentialed, certified, or licensed professionals must verify the disability. DSPS is located in Student Services & Administration, Building 1600. Students may make appointments by calling (925) 424-1513 and the TTY number is (925) 424-1510.

High Tech Center

DSPS has a dedicated technology center in Building 1600 for students with disabilities. PC and Mac computers are available along

with other adaptive hardware and software to assist students in the areas of reading, writing, spelling, and computation skills.

Web Accessibility

Las Positas College is committed to providing webpages that meet Section 508 guidelines for web accessibility. Toward that end, each of the top-level pages on the website and all other pages managed by the College's Webmaster have been or are being modified to meet accessibility guidelines. In addition, DSPS and the Web team are educating faculty and staff on accessibility concerns including information about Section 508 compliance for webpage content. Students who experience difficulties accessing a webpage should contact DSPS (925) 424-1524.

State Supported Programs

Extended Opportunity Programs and Services

Extended Opportunity Programs and Services (EOPS) provides support services for low-income and educationally disadvantaged students to help them succeed in college level coursework. A variety of programs, services, and activities have been directed to the identification, recruitment, retention, and transition of EOPS students to the four-year college/university and/or career placement. Services can include: financial grants and book certificates; academic, career, and personal counseling; new student orientation and readiness programs; special assistance in tutoring and peer advising; transfer counseling; fieldtrips and cultural enrichment activities; and referral services.

Program eligibility is based on educational disadvantage and demonstrated financial need. All students must be full-time students and complete a required application. Information and assistance may be obtained at the EOPS Office located in the Student Services & Administration, Building 1600, Room 1668.

Cooperative Agencies Resources for Education

The Cooperative Agencies Resources for Education (CARE) program provides a variety of services and activities to assist single parent students in achieving educational goals. They may receive additional services such as special counseling, support groups, child care, stipends, book certificates, transportation expense reimbursements, automotive repair and maintenance service, job search assistance, tutoring, and peer advising. To be eligible for CARE, students must be a current Extended Opportunity Programs and Services (EOPS) student, be attending college full-time, be receiving or have a child who is receiving Temporary Assistance for Needy Families (TANF), and have a child who is under fourteen years of age. For additional information, visit the CARE Office in the Student Services & Administration, Building 1600, Room 1668.

California Work Opportunity and Responsibility to Kids

The California Work Opportunity and Responsibility to Kids (CalWORKs) program at Las Positas College serves CalWORKs students who are attending school as part of their Welfare-to-Work plan with the county. In order to be eligible for the CalWORKs program, students must be currently receiving CalWORKs cash aid for themselves. The CalWORKs program offers a variety of

supportive services that are intended to help students define and make progress in their educational and career goals in order to find meaningful employment and successfully transition into the workforce. Some of the supportive services that we offer are personal, academic, and career counseling; coordination and advocacy with the Department of Social Services; assistance with Welfare-to-Work plans; transitional child-care funding; transportation resources; job development and work-study employment; and special workshops, classes and support groups to aid in student success. CalWORKs students are also eligible for priority registration. For additional information, visit the CalWORKs Office in the Student Services & Administration, Building 1600, Room 1668.

LEARNING COMMUNITIES

Las Positas College learning communities focus on helping students reach their educational goals. Each learning community combines a series of core classes that students take as a cohort with fellow students. Students who join a learning community focus on success and receive some of the following support services. Each learning community program may vary in the specific support services provided. Visit the learning community websites for more information.

Learning community support services include:

1. Dedicated counselors
2. Access to mentors
3. College tours
4. Guidance for transferring to four-year universities
5. Career exploration and professional development workshops
6. Education planning
7. Tutoring
8. Cohort classes
9. Supportive staff, faculty, and classmates.

Engineering Technology

The Engineering Technology program at Las Positas College is a two-year degree pathway resulting in an Associate of Science (A.S.) in Engineering Technology. This cohort-based learning community is designed as a strong local employment pathway for military veterans and others who want a hands-on engineering career with a focus on mechanical technology in an applied setting. Students receive foundational training in engineering, mathematics, physics, and welding, and develop skills in manufacturing and fabrication, problem-solving, and critical thinking. An accelerated mathematics sequence advances students from intermediate algebra to calculus-readiness in one year. The cohort-based learning model also delivers integrated career-readiness and support services. Eligible students typically participate in a 8-week summer internship featuring valuable worksite activities, tours, hands-on training, and job-shadowing opportunities at a local engineering company or national laboratory. Graduates of the program may be employed as mechanical technicians, mechanical technologists, or in other applied engineering fields. Veterans interested in the Engineering Technology program and benefits and services for Veterans, contact the Veterans First Program. For more information, visit:

<http://www.laspositascollege.edu/engineering/eng-tech.php>.

Gateway to Success (G2S)

Las Positas College is proud to be designated by the U.S. Department of Education as a Hispanic-Serving Institution (HSI). The “Gateway to Success” (G2S) program is a new, integrated approach to academic and student support services designed to increase completion and transfer rates of at-risk students in Science, Technology, Engineering and Math (STEM) fields. The Gateway to Success program utilizes a cohort learning model to provide additional services and resources to students.

The focus of the G2S learning community is to improve the success rates of Hispanic and other impacted students in basic math and STEM prerequisite math courses, to increase the numbers of students pursuing STEM majors, and to increase the number of program students transferring to four-year STEM programs. For more information, visit www.laspositascollege.edu/hsi.

Puente Project

The Puente Project is a national award-winning program which provides support for students to achieve their personal, academic, and career goals. Its mission is to increase the number of educationally disadvantaged students who enroll in four-year colleges and universities, earn college degrees, and return to the community as mentors and leaders to future generations.

Students enrolled in the year-long Puente Project cohort work closely with their counselor focusing on transition to college and the transfer process. The English course sequence focuses on college-level composition and multicultural literature and experiences. In addition, students are matched with a professionally and academically successful mentor from the community. The Puente Project is open to all Las Positas College students. For more information, visit: www.laspositascollege.edu/puente.

Umoja

The Umoja program is a statewide success-focused learning community that provides a dedicated support system to help students reach their academic and life goals. While all students are invited to enroll in it, the Umoja Learning Community at LPC focuses on the success of underrepresented students with an intentional and deliberate focus on improving the success rates of African American students. To do this, Umoja students gain a dedicated academic counselor and accessible faculty who are determined to see African American students succeed in the midst of barriers and life challenges. Umoja students take linked classes for two semesters, so as to form bonds, cultivate leadership, build cultural affirmation, and work toward success. The courses that Umoja students take are College Success, Career Exploration, English Composition, Library Skills, and Literature. All courses center African and African American experiences, voices, writers, speakers, and topics. Lastly, to foster learning and goal achievement, students are invited to attend college tours and culturally-enriching conferences and events. For more information, visit: www.laspositascollege.edu/umoja.

CAMPUS RESOURCES

Public Transportation

Transportation to and from Las Positas College is an individual responsibility. Wheels is a service of the Livermore Amador Valley Transit Authority (LAVTA) and provides public transportation to and from the College. The Wheels bus connects to the Livermore Transit Center and to Bay Area Rapid Transit (BART). For more information contact Wheels at (925) 455-7500 or at www.wheelsbus.com.

College Bookstore

All students are required to furnish their own textbooks and school supplies that are available for sale at the College Bookstore or online via www.efollett.com. Typical costs for books and school supplies average \$400 to \$600 per semester for students pursuing a full-time program. Students financially unable to buy their own textbooks and school supplies should consult the Financial Aid Office or other student support programs. College Bookstore hours are posted outside the College Bookstore. College Bookstore information may be found the College website at www.laspositascollege.edu.

Student Health and Wellness Center

The Las Positas College Student Health and Wellness Center has a team of medical, behavioral health, and wellness providers to provide high quality healthcare services that promotes physical and psychological well-being, treats minor health issues, and strives to empower students to have a healthy and successful academic experience. Students who have a health condition that may require sudden emergency care are asked to consult with the Nurse Practitioner in the Student Health and Wellness Center at the beginning of each term and also alert each of their instructors.

The Student Health & Wellness Center team provides:

1. High quality and accessible medical, behavioral health, and wellness services.
2. Referrals for chronic and complex medical and psychological services.
3. Preventive and public health services for the campus community.
4. Campus wide collaboration promoting health and student success.

For more information, contact the Student Health and Wellness Center in Building 1700 or call (925) 424-1830.

Student Health and Accident Insurance

For complimentary assistance with a variety of health plans including Covered California, students can go to www.keenandirect.com or call (844) 580-6857. The staff at Keenan Direct assist students in determining eligibility for subsidies or Medi-Cal.

First Aid

First aid stations are located in the Office of Campus Security and Security and the Student Health and Wellness Center located in Building 1700.

Medical Emergencies On Campus

For emergency assistance, dial (925) 424-1699 or extension 1699 from campus office phones. All cases of personal injury or medical emergency should be reported to the Office of Campus Safety and Security. The Student Health and Wellness Center can help students with minor injuries and illnesses.

Housing

Las Positas College does not provide dormitories or other types of College-sponsored housing.

Campus Safety and Security

Access To Buildings

During business hours, the College and most campus buildings are open from 7:00 am to 11:00 pm. During non-business hours, access to all College facilities is by key or card key, if issued, or by admittance via the assistance of the Office of Campus Safety and Security. In the case of periods of extended closing, the College will admit only those with prior approval to all facilities. All students and employees are issued identification cards, which they may be asked to produce if there is any question about their authorization to be on College property.

Campus Safety

The Chabot-Las Positas Community College District is committed to a safe and secure work and learning environment. The Office of Campus Safety & Security prepares and annually updates a report of all occurrences reported to the Office of Campus Safety & Security and arrests for crimes that are committed on-campus and that involve violence, hate violence, theft or destruction of property, sexual misconduct including sexual harassment, illegal drugs, alcohol intoxication, and all occurrences of noncriminal acts of hate violence reported to campus authorities. Additional information and corresponding reports are found on the College website.

College Property

No College property may be removed from the campus without expressed permission from an administrator. Unauthorized removal of College property from the campus is a violation of the law and may be prosecuted by the College.

Crime Prevention

Crime prevention material is distributed by the Office of Campus Safety and Security to the campus community. The Office of Campus Safety and Security makes inspections of facilities to ensure physical security design, presents programs to reduce risk from criminal acts, reviews plans and new construction additions to facilities to insure against design defects that could contribute to criminal acts, makes preventative patrols of grounds, make necessary arrests and detentions, and interacts with other law enforcement and investigative agencies to accomplish this task.

Drug Free Environment and Prevention Program

Las Positas College strives to maintain a drug-free and alcohol-free environment. College district policy states it prohibits, “the sale or knowing possession of dangerous drugs, restricted dangerous drugs, alcoholic beverages or narcotics as those terms are used in California statutes except when lawfully prescribed or permitted”. Federal law also prohibits the use, sale, or possession of marijuana. Students may be arrested, suspended, expelled, placed on probation or given a lesser sanction for good cause and in accordance with College procedures consistent with due process for violations of the drug and alcohol policy. Students and employees will be informed of the health risks associated with the use of illicit drugs and the abuse of alcohol, and will be advised of the availability of drug and alcohol counseling, treatment, and rehabilitation.

Emergency Call Boxes

Emergency call boxes are also located in several parking lots, on the campus perimeter road, and near the Student Services & Administration Building. In the event of an emergency, push the button on the emergency call box and the on-duty campus security officer is notified of your location. The emergency call box has a feature which allows the caller to speak directly to the campus safety officer. Outside the entrance to the Office of Campus Safety and Security there is an emergency auto-dialer. In the case of an emergency and the office is locked, please push the button on the auto-dialer. The auto-dialer will contact the on-duty campus safety officer.

Emergency Notification

The Las Positas College Office of Campus Safety and Security is committed to ensuring that our campus community receives timely, accurate, and useful information in the event of a significant emergency or dangerous situation on campus or in the local area that poses an immediate threat to the health and safety of campus community members. Las Positas College uses the emergency notification system “Everbridge” which is an emergency notification service that proactively contacts students, staff, and faculty at their District assigned e-mail accounts. Everbridge can be used to send emergency messages within minutes of the occurrence of an incident. Messages are sent by multiple methods to contact information listed in the campus directory as well as confidential contact information registered by users. The system can send simultaneous messages to the college community by e-mail message and SMS text. Campus community members can contact the Office of Campus Safety and Security to update or change their contact information and are encouraged to list “SMS Text” as their primary contact method.

Emergency Procedures

Las Positas College Office of Campus Safety and Security personnel are available twenty-four (24) hours a day, seven (7) days per week. Persons are encouraged to report any criminal activity or any other emergency by calling the Office of Campus Safety and Security by calling (925) 424-1699 or visiting the Office of Campus Safety and Security located in Building 1700. If the Office of Campus Safety and Security is closed, the on-duty campus safety officer can be contacted by telephone in the following ways:

- On-campus telephone, dial extension 1690 (non-emergency)
- On-campus telephone, dial extension 1699 (emergency)

- On-campus pay telephone, dial *16 – No coin is needed
- Off-campus telephone, dial (925) 424-1000 until 9:00 p.m.

Lost And Found

The Office of Campus Safety & Security takes great pride in returning lost and found property to their rightful owners. All property found on campus should be brought to the Office of Campus Safety and Security located in Building 1700 to be recorded. All found property is held and disposed of in the manner prescribed by law.

Parking

Parking on-campus is a privilege extended by the Chabot-Las Positas Community College District Board of Trustees to the faculty, staff, students, and guests. To ensure safety and the efficient use of available parking spaces, parking rules and regulations adopted by the Board of Trustees are enforced all year. There are no grace periods or exceptions to the parking rules and regulations without the expressed direction of the College President or designee. Drivers using College parking lots shall comply with the rules and regulations adopted by the Board of Trustees pursuant to California Vehicle Code, Section 21113. Failure to comply with the parking rules and regulations may result in disciplinary action, the issuance of a parking citation, loss of parking privileges, and/or cause the vehicle to be towed at the owner's expense. Parking at Las Positas College is by permit only.

Parking Permits

Parking at Las Positas College is by permit only. Parking regulations are enforced from the first day of instruction each term. Full-term parking permits may be purchased online via CLASS-Web. Daily parking permits may be purchased from parking permit dispensers located in the parking lots. There is no grace period for permits. All students and guests must purchase a parking permit for each day. Take notice that certain parking spaces are reserved for College employees and College vehicles. These parking spaces are clearly marked in front of the parking stall. Vehicles parked in a staff or other reserved space without the proper permit will be cited. All vehicles shall be parked clearly within designated parking stalls between the white lines and head-in only. Do not back in or drive through.

Visitor Parking

A 30-minute visitor parking zone is provided at the entrance to the College. Long-term visitor parking is available in each student lot when a daily parking permit is purchased from a ticket dispenser and displayed on the vehicle's dashboard. Visitors with a DMV disabled placard may park in the Visitor parking lot without purchasing a daily parking permit from the ticket dispensers in the stalls, pursuant to the Vehicle Code.

Pets On Campus

No animals and/or pets of any kind or description are allowed within the boundaries of the college. This restriction also applies to animals and/or pets confined to any vehicle parked within the college boundaries. This policy does not apply to the use of a guide dog, signal dog, or service dog specially trained for assisting a person with a disability.

Safety Escort Services

The Office of Campus Safety and Security offers escorts to the campus community to and from the parking lots. To arrange to have an escort accompany you from your classroom or office to your vehicle by dialing (925) 424-1690 or from any College telephone by dialing extension 1690, by dialing *16 from any campus pay telephone, or by activating a nearby emergency call box.

Sex Offender Registry

California law requires sex offenders who are employed, volunteer, are a resident of, or enrolled as a student at an institution of higher education, to register with the Livermore Police Department located at 1110 South Livermore Avenue Livermore, CA 94550. To search the database of registered sex offenders in California by name or geography, check the Megan's Law website at <http://www.meganslaw.ca.gov/> or information concerning registered sex offenders can be obtained from the Livermore Police Department.

Smoking On Campus

Smoking is allowed only within designated smoking areas and is prohibited within 20 feet of a main exit, entrance, or operable window of any campus or District building. Smoking is prohibited inside any indoor area of any campus or District building and inside any District-owned or leased vehicles. Smoking is prohibited in any enclosed place of employment on campus, including lobbies, lounges, waiting areas, stairwells, and restrooms that are a structural part of any building that is a place of employment. This also applies to electronic cigarettes or other imitation smoking devices.

Statement For Non-Sworn Officers

The Chabot-Las Positas Community College District employs security officers with training specific to campus security.

Statement Of Enforcement Authority

The campus safety officer meets the legal definition of a security officer because of appointment pursuant to the California Education Code, Section 70902. The campus safety officer is not a peace officer, but Sections 626 and 627 of the California Penal Code provide special authority for school security officers to make an arrest if the perpetrator fails to leave the College grounds after being directed to do so. In addition to this authority, campus safety officers can arrest for any misdemeanor or felony committed within their presence, but must use Section 837 of the California Penal Code – arrest by a private person – to accomplish the arrest. Campus safety officers derive additional authority from Section 21113(a) of the California Vehicle Code. This section covers parking on school property. Officers can issue citations for violations of District Parking Regulations using this section.

Timely Warning

In an effort to provide timely notice to the campus community in the event of a Clery Act crime that may pose a serious or on-going threat to members of the community, Las Positas College Office of Campus Safety and Security will issue out a "Timely Warning". The Office of Campus Safety and Security will generally issue these warnings for the following crimes: criminal homicide; sexual assaults; robbery; aggravated assault; arson; burglary; and hate crimes. The Office of Campus Safety and Security will post these warnings through a

variety of ways including, but not limited to, e-mail messages, posters or bulletins, and class discussions. The purpose of these warnings is to notify the campus community of the incident and to provide information that may enable community members to protect themselves from similar incidents. The Office of Campus Safety and Security will issue these warnings whenever the following criteria are met:

1. A crime is committed;
2. The perpetrator has not been apprehended; and
3. There is a substantial and on-going risk to the physical safety of other members of the campus community because of this crime.

Such crimes include, but are not limited to: Clery Act crimes that are reported to any campus security authority or the local police; or when the college determines that the incident represents an on-going threat to the campus community. Additionally, the Office of Campus Safety and Security may, in some circumstances, issue warnings when there is a pattern of crimes against persons or property. The Campus Safety Supervisor or designee will generally make the determination, in consultation with the President, if a warning is required. However, in emergency situations, any Campus Safety Officer may authorize a Clery Timely Warning. For incidents involving off-campus crimes, the college may issue a Crime Advisory if the crime occurred in a location used and frequented by the college population. Clery Timely Warnings are sent out to the campus community via the Everbridge system. If you have an official Las Positas College e-mail address, you are automatically enrolled in the crime alert notification system. These messages are a very effective way to share important information with the campus community about safety.

Title IX

Title IX of the Educational Amendments of 1972 is an all-encompassing federal law that prohibits discrimination based on the gender of students and employees of educational institutions which receive federal financial assistance. Under Title IX, discrimination on the basis of sex can include sexual harassment, rape, and sexual assault. Colleges and universities that receive federal financial assistance may be held legally responsible when it knows about and ignores sexual harassment or assault in its programs or activities. Colleges and universities may be held responsible in court whether the harassment is committed by a College employee or student. Title IX related concerns and complaints of possible violations of Title IX should be reported to the Vice President of Student Services or designee.

Weapons Policy

Firearms, knives, explosives or other dangerous chemicals or objects, including, but not limited to, any facsimile firearm, knife or explosive, are prohibited on College property and all College-sponsored functions at all times. All weapons are prohibited at Las Positas College. Except for sworn law enforcement officials, it is a felony to bring or possess any firearm on any California school campus per California Penal Code, Section 626.9. It is also a felony to possess any air gun, including pellet and BB guns that utilizes air, CO₂, or spring pressure to propel a metallic projectile; knives with a blade length of over 2.5 inches, dirks, daggers, and ice picks are also illegal per California Penal Code, Section 626.10. Any person may be arrested, expelled, suspended, placed on probation or given a lesser sanction for good cause and in accordance with College procedures

consistent with due process for violations of the weapons policy.

Crime Statistics/ Clery Act Disclosure/ Annual Security Report (ASR)

The Office of Campus Safety and Security prepares a report to comply with the Jeanne Clery Disclosure of Campus Security Policy and Crime Statistics Act. Crime statistics may be found online at <http://www.laspositascollege.edu/safety/statistics.php>. The full text of this report may be found online at <http://www.laspositascollege.edu/safety/documents/clery.pdf>. The report is prepared in cooperation with the local law enforcement agencies. Campus crime, arrest, and referral statistics include those reported to the Office of Campus Safety and Security, designated campus officials including, but not limited to, administrators, faculty, classified professionals, advisors to students and student organizations, athletic coaches, and local law enforcement agencies.

STUDENT LIFE

Las Positas College is committed to providing programs and services that foster student participation and engagement in college governance, activities, organizations, and cultural events. The College recognizes the important role of students as active and meaningful participants in the shared governance decision-making process of the institution. Important and essential responsibilities of the college include comprehensive leadership development and co-curricular programs for students to strengthen their knowledge, expand their understanding of governance issues, increase their preparedness, and apply their skills. The Student Life Office is committed to improving student success and engagement by ensuring access, equity, and inclusion for all students.

Las Positas College Student Government

The Las Positas College Student Government (LPCSG) is the campus student government, providing opportunities for students to participate in the governance of the College by serving on numerous College and District committees. In addition, LPCSG members advocate on local, state and federal levels for student interests.

The LPCSG is organized in two bodies – the Executive Council which is composed of elected officers and the Student Senate which is composed of members who have been appointed by the members of the LPCSG. Elections of LPCSG officers are held each spring. Students can become senators at any time during the academic year. All LPCSG officers and senators must be registered in at least 5 units at the College and are required to maintain a minimum cumulative 2.0 grade point average (GPA).

LPCSG supports services for students including, the textbook loaner program, the Market (free monthly food distribution), social and cultural events, and many other services that vary as opportunities develop.

LPCSG is located in Student Services & Administration, Building 1600, First Floor. The office telephone number is (925) 424-1490. For more information, visit: <http://laspositascollege.edu/student-gov/>.

Student Clubs and Inter-Club Council

Students have the opportunity to form clubs relating to common social, recreational, or other interests. Each club must have an advisor who is college faculty or staff member, recruited and nominated by the club members. Las Positas College has over thirty active student clubs.

The Inter-Club Council (ICC) is the representative body that coordinates club activities and funds. The ICC promotes communication and cooperation among clubs on-campus. The ICC is composed of a voting representative from each club, representing cultural, educational, honorary, philanthropic, and social interests. For more information, visit: www.laspositascollege.edu/studentclubs/.

Honor Societies

There are four recognized Honor Societies on-campus. Alpha Gamma Sigma (AGS) is a statewide Honor Society open to any student who has completed at least 12 units at Las Positas College with at least a 3.0 grade point average (GPA). Beta Beta Beta is a national honor society that is open to students who are Biological Science Majors who have completed at least three semester courses in Biological Science, of which at least one is not an introductory course, with an average grade of “B” in those courses, have a “B” average in all courses and be in good academic standing. Mu Alpha Theta is a national honor society that is open to students with an interest in math who have at least a 3.0 GPA in math courses from College Algebra/ Precalculus or above. Psi Beta is a national honor society for Psychology students who have completed at least 12 units at Las Positas College, passed at least one 3-unit Psychology course with a grade of “B” or better, and have a 3.0 GPA. Membership in the honor societies will be noted on students’ transcripts when they graduate or transfer from Las Positas College. For more information, contact the Student Life Office at (925) 424-1490.

Social Activities

Numerous social activities are offered at Las Positas College each semester through LPCSG. Students interested in working on social activities and entertainment should contact the Student Life Office at (925) 424-1490.

The Express Newspaper

The award-winning Express college newspaper is produced by students in the Express College Newspaper class and is published several times per semester, both in print and online. Students practice and refine journalism skills, including recognizing newsworthy events, writing stories, taking photographs, and designing pages for the newspaper. Students are introduced to concepts related to journalism, photojournalism, business management, graphic arts, design, social media, leadership, and editing. The courses include ethical, practical, and legal issues in journalism. To join the team, visit Building 2400, Room 2409, call (925) 424-1240. The Express Newspaper is available on campus and online at: <http://lpcexpressnews.com>.

Radio LPC

Radio LPC provides an opportunity for students to work in an internet radio station. In this class, students learn about operations procedures and practices in a modern broadcast studio. Students get hands-on experience in editing and announcing, producing news and

Las Positas College

Catalog 2019-2020

feature stories for online distribution, supporting station operations, establishing a brand identity, creating content for the multimedia website, and producing ad spots and promotional posts. Mass Communication courses in radio include history, law, ethics, theory, and practical use of radio technology. Radio LPC broadcasts online at: <http://www.radiolaspositas.net/>.

Naked Magazine

Naked Magazine, Las Positas College's award-winning student magazine, launched in fall 2008. The magazine production class allows students to create a journalistic-style student magazine in a lab setting. Emphasis is placed on developing content, writing in-depth magazine articles, producing photographs and other visual elements, correlating copy and visuals, laying out pages in the production process, copy editing, promoting advertising and sponsorships, and exploring ethical issues. This class is offered in the fall semester. To join the team, visit Building 2400, Room 2409, or call (925) 424-1240. Naked Magazine is available on campus and online at www.nakedlpcmagazine.com.

Speech and Debate Team

The Las Positas College Speech Team, otherwise known as Forensics, is a competitive activity which provides students with an intensive focus on enhancing research, writing and performance skills. Forensics students compete at tournaments against other colleges and universities from across the nation in the areas of Public Speaking, Oral Interpretation, and Debate. In addition to traveling state-wide, nationally and internationally to competitions, this renowned program also hosts tournaments and Speech Performance nights.

Performing Arts

A wide range of opportunities is available to Las Positas College students in the performing arts. The Theater Arts Department offers students training and experience through classes in Technical Theater, Acting, Musical Theater, and History and Theory. Performance opportunities include four productions per school year, an outdoor summer musical, a touring production for Theater for Young Audiences, and a Drama Workshop course.

The Music Department offers certificate pathways in Music Technology, Music Business, and Piano Pedagogy, as well as an Associate's Degree for Transfer in Music. Performance ensembles include Chamber and Concert Choirs, Vocal Jazz Ensembles, Instrumental Jazz Ensemble, Jazz Combos, Wind Ensemble, and Chamber Orchestra. Students have multiple opportunities to perform, compose, and participate in a variety of events - both on campus and in the community - throughout the semester.

The Dance Department offers courses in technique and composition, and performance opportunities through the dance production courses. Performance venues include informal and formal stage productions and unique environments throughout campus, including three state of the art theater spaces.

The Communication Studies Department offers classes in Readers Theater, Oral Interpretation of Literature, and activities in Forensics which include performance events.

Intercollegiate Athletics

Las Positas College offers student-athlete participation on nine

intercollegiate athletic teams, serving approximately 175 student athletes each year. We provide intercollegiate teams for women's volleyball, water polo, soccer, basketball, and swim/dive. For men, we provide intercollegiate teams in water polo, soccer, basketball, and swim/dive. Athletics at Las Positas College, as with all California community colleges, is governed by the general regulations of the State Community College Athletic Code, as well as specific regulations of the Coast Conference in which Las Positas College holds membership. Students who participate in athletics must meet the requirements of the California Community College Athletic Association (CCCCAA).

Academic standing, enrollment within an intercollegiate class, completed and approved eligibility forms, and a physical exam are required to compete in both the intercollegiate class and intercollegiate sport.

The Dean of Business, Health, Athletics, Work Experience, and Kinesiology and the Vice President of Academic Services monitor the integrity of the intercollegiate athletic program regarding rules, compliance, eligibility, and competitiveness. Students will work with our counseling staff towards a degree/certificate or transfer. All incoming student-athletes must meet with a counselor and complete a Student Educational Plan (SEP). Periodic reports on attendance and class progress are requested from each student-athlete's instructors. These reports are reviewed by the respective coaches, the dean, and when indicated, the counselor.

Las Positas College is a member of the Coast Conference. Both the men's and women's athletic teams engage in competitive conference and non-conference competition against both Northern and Southern California teams. Students interested in more information regarding athletics, please visit the College's athletics website at: <http://athletics.laspositascollege.edu>.

Student Rights & Responsibilities

Student Grievance Policy

The Chabot-Las Positas Community College District encourages all students to pursue academic studies and other College-sponsored activities. In pursuit of these goals, the student should be free of unfair or improper action from any member of the academic community.

The Chabot-Las Positas Community College District accords every student the right of protection. Students, however, must also be aware that they are responsible for complying with all College regulations and for meeting the appropriate College requirements. Student Grievance procedures have been developed by Las Positas College to provide students with a prompt and equitable means of seeking an appropriate remedy for any alleged violation of rights and to insure that each student is fully accorded due process. Both the Student Grievance Procedures and the Student Conduct and Due Process Procedures outline the process for seeking resolution, and develop the procedure for filing and processing complaints, including timelines and decision-making authority. The general provisions and specific procedures related to this policy are available from the Office of the Vice President of Student Services, the Office of the Dean of Student Services, or the Student Life Office. You may also find this

information online at: www.laspositascollege.edu.

Student Grievance Procedures

Student Grievance procedures have been developed to provide students with a prompt and equitable means of seeking an appropriate remedy for any alleged violation of rights and to ensure that each student is fully accorded due process. The Student Grievance procedures outline the process for seeking resolution, and develop the procedure for filing and processing complaints, including timelines and decision-making authority. Additional information pertaining to Student Grievances is found online on the college website.

A student may file a grievance when he/she feels that there has been a violation of College or District policies and procedures. A grievance may be initiated against another student, an instructor, an administrator, or a member of the classified staff, pursuant to the procedures and grounds specified in Board Policy 5530 and Administrative Procedure 5530.

A student grievance may be submitted for the following:

1. Course grades, to the extent permitted by Education Code Section 76224(a), which provides: "When grades are given for any course of instruction taught in a community college District, the grade given to each student shall be the grade determined by the instructor of the course and the determination of the student's grade by the instructor, in the absence of mistake, fraud, bad faith, or incompetency, shall be final." "Mistake" may include, but is not limited to errors made by an instructor in calculating a student's grade and clerical errors.
2. Violation of policies and procedures by the college to the extent they have a direct and significant impact on the student, such as on the student's exercise of rights of free expression. Under this section, a grievance may be initiated by a student alleging the violation of college/district policies and procedures against an instructor, an administrator or a member of the classified staff.

Student Grievances Do Not Apply To

1. Student disciplinary actions, which are covered under separate Board Policies and Administrative Procedures.
2. Sex discrimination, sexual harassment, or illegal discrimination which are covered under separate Board Policies and Administrative Procedures.
3. Financial aid actions, which are covered under separate Board Policies and Administrative Procedures.
4. Police citations (i.e., "tickets"); complaints about citations must be directed to the County Courthouse in the same way as any traffic violation.

Informal Resolution

Each student who has a grievance shall make a reasonable effort to resolve the matter on an informal basis prior to requesting a grievance hearing, and shall attempt to solve the problem with the person with whom the student has the grievance, that person's immediate supervisor, or the local college administration. The Vice President of Academic Affairs or designee shall serve as Grievance Officer on grade disputes and grievances arising out of instructional services. The Vice President of Student Services or designee shall serve as

Grievance Officer for grievances arising outside of instructional services. The Grievance Officer and the student may also seek the assistance of the Las Positas College Student Government (LPCSG) in attempting to resolve a grievance informally. Informal meetings and discussion between persons directly involved in a grievance are essential at the outset of a dispute and should be encouraged at all stages. An equitable solution should be sought before persons directly involved in the case have stated official or public positions that might tend to polarize the dispute and render a solution more difficult. At no time shall any of the persons directly or indirectly involved in the case use the fact of such informal discussion, the fact that a grievance has been filed, or the character of the informal discussion for the purpose of strengthening the case for or against persons directly involved in the dispute or for any purpose other than the settlement of the grievance.

Any student who believes he/she has a grievance shall file a Statement of Grievance with the appropriate Grievance Officer within 10 days of the incident on which the grievance is based, or 10 days after the student learns of the basis for the grievance, whichever is later. The Statement of Grievance must be filed whether or not the student has already initiated efforts at informal resolution, if the student wishes the grievance to become official. Within 5 days following receipt of the Statement of Grievance Form, the Grievance Officer shall advise the student of his or her rights and responsibilities under these procedures, and assist the student, if necessary, in the final preparation of the Statement of Grievance form. If at the end of 10 days following the student's first meeting with the Grievance Officer, there is no informal resolution of the complaint which is satisfactory to the student, the student shall have the right to request a grievance hearing.

Ombuds

The Ombuds (also known as an "ombudsman" or "ombudsperson") at Las Positas College will be an identified employee who is committed to serve as a neutral and an impartial conflict resolution practitioner. The Ombuds will have no formal decision-making authority or disciplinary responsibilities. The Ombuds will serve as the initial point of contact for students who encounter challenges or difficulties while navigating the college environment and will be responsible for identifying the proper resource at the college. Furthermore, the Ombuds will facilitate the first connection or contact with the appropriate college entity or employee. The goal of the Ombuds is to ensure the rights and interests of all parties to the dispute are considered with the goal of achieving a fair outcome in accordance with applicable policies, procedures, laws, and regulations. The inability to achieve a fair outcome may result in the student being referred to the grievance or complaint process. For more information, please visit the Office of the Vice President of Student Services.

Academic Honesty Statement

Las Positas College promotes student success by providing high quality instruction and learning resources. The primary factor in student success, however, is the student's devotion of considerable time and energy to the learning process. A high grade in a Las Positas College course is, therefore, something of which both the college and the student can be proud. It indicates mastery of the material achieved through hard work.

Any form of academic dishonesty, whether cheating or plagiarism,

undermines the value of grades for the entire student body and the College as a whole. It is an affront to every student who has labored to achieve success honestly and a threat to the College's reputation for academic excellence. For these reasons, the College does not tolerate any form of academic dishonesty. Any student attempting to gain an unfair advantage in a course will be severely penalized, up to and including suspension from classes. The actions taken against the student will also be permanently entered into the student's record in the case of repeated, flagrant, or serious incidents.

Student Conduct

All complaints of alleged misconduct made against a student by any person should be submitted to the Vice President of Student Services or designee, with a copy to the area administrator. These complaints must be made in writing, specifying the time, place, and nature of the alleged misconduct. Identifying information for the complainant is also required. If the Dean or the Vice President of Student Services determines the complaint to be capricious, the complaint may be dismissed.

The Vice President of Student Services or designee (VPSS) shall conduct an investigation of the reported incident as is appropriate. The VPSS/Designee will confer with the accused student for the purposes of advising the student of the report and of the student's rights under college rules and regulations. The VPSS/Designee may also procure information relating to the report from the accused student and other persons, including an assessment of damage to property or injury to persons. Such investigations shall be treated as confidential and shall not be placed in the student's file unless a charge is upheld and a decision is rendered by the VPSS/Designee against the student.

Following investigation, the VPSS/Designee will render a decision in writing to the student as well as the person filing the complaint against the student (if appropriate) within five (5) working days. The VPSS/Designee may find that the complaint lacks merit; or deliver a written statement to the accused student formally charging that student with misconduct.

Standards of Student Conduct

The Chabot-Las Positas Community College District, Administrative Procedure 5500 – Standards of Student Conduct.

The following conduct shall constitute good cause for discipline, including, but not limited to, the removal, suspension, or expulsion of a student.

1. Causing, attempting to cause, or threatening to cause physical injury to another person.
2. Possession, sale or otherwise furnishing any firearm, knife, explosive or other dangerous object, including but not limited to any facsimile firearm, knife or explosive, unless, in the case of possession of any object of this type, the student has obtained written permission to possess the item from a District employee and the campus safety administrator/supervisor.
3. Unlawful possession, use, sale, offer to sell, or furnishing, or being under the influence of, any controlled substance listed in California Health and Safety Code Sections 11053 et. seq., an alcoholic beverage, or an intoxicant of any kind; or unlawful possession of, or offering, arranging or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code Section 11014.5.
4. Committing or attempting to commit robbery or extortion.
5. Causing or attempting to cause damage to District property or to private property on-campus.
6. Stealing or attempting to steal District property or private property on campus, or knowingly receiving stolen District property or private property on-campus.
7. Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the college or the District.
8. Committing sexual harassment as defined by law or by District policies and procedures.
9. Engaging in harassing or discriminatory behavior based on disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sexual orientation, or any other status protected by law.
10. Engaging in intimidating conduct or bullying against another student through words or actions, including direct physical contact; verbal assaults, such as teasing or name-calling; social isolation or manipulation; and cyberbullying.
11. Willful misconduct that results in injury or death to a student or to District personnel or which results in cutting, defacing, or other injury to any real or personal property owned by the District or on campus.
12. Disruptive behavior, willful disobedience, habitual profanity or vulgarity, or the open and persistent defiance of the authority of, or persistent abuse of, college personnel.
13. Cheating, plagiarism (including plagiarism in a student publication), or engaging in other academic dishonesty as defined by college faculty.
14. Dishonesty; forgery; alteration or misuse of District documents, records or identification; or knowingly furnishing false information to the District.
15. Unauthorized entry upon or use of District facilities.
16. Lewd, indecent or obscene conduct or expression on District-owned or controlled property, or at District sponsored or supervised functions.
17. Engaging in expression which is obscene, libelous or slanderous, or which so incites students as to create a clear and present danger of the commission of unlawful acts on District premises, or the violation of lawful District regulations, the substantial disruption of the orderly operation of the District.
18. Persistent, serious misconduct where other means of correction have failed to bring about proper conduct.
19. Unauthorized preparation, giving, selling, transfer, distribution, or publication, for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to handwritten or typewritten class notes, except as permitted by any district policy or administrative procedure.

Student Discipline Procedures

The Chabot-Las Positas Community College District, Administrative Procedure 5520 – Student Discipline Procedures.

The purpose of this procedure is to provide a prompt and equitable means to address violations of the Standards of Student Conduct. If the student wishes to proceed beyond the informal process described in Administrative Procedure 5500, then the following procedure applies. This procedure guarantees to the student or students involved the due process rights guaranteed them by state and federal constitutional protections. This procedure will be used in a fair and equitable manner, and not for purposes of retaliation. It is not intended to substitute for criminal or civil proceedings that may be initiated by other agencies.

These Administrative Procedures are specifically not intended to infringe in any way on the rights of students to engage in free expression as protected by the state and federal constitutions, and by Education Code Section 76120, and will not be used to punish expression that is protected.

Americans with Disabilities Act

In accordance with the 1990 Americans with Disabilities Act (ADA), the Chabot-Las Positas Community College District prohibits discrimination against students and employees with physical or mental disabilities that substantially limit activities such as working, walking, talking, seeing, hearing, or caring for themselves. People who have a record of such impairment, and those regarded as having impairment, are also protected.

Section 508 of the Rehabilitation Act

Las Positas College is committed to providing access to its programs and services to all qualified individuals as mandated by Section 508 of the Rehabilitation Act. Students who have disabilities will have access to and use of technology information and services that is comparable to the access and use available to non-disabled students according to Section 508.

Harassment and Sexual Harassment

In accordance with Title VII and Title IX of the Education Amendments of 1972, the Chabot-Las Positas Community College District provides a school and working environment free from all forms of harassment, including sexual harassment. The District also maintains an environment in which all students and employees model this behavior and are treated with dignity and respect.

No person shall be subjected to sexual overtures or conduct either verbal, visual or physical, which are intimidating, hostile, offensive, or unwelcome. Such conduct by employees and students is deemed unacceptable behavior and will not be tolerated by the District.

For general provisions, specific procedures, and inquiries regarding the application of Sexual Harassment Policies contact Wyman Fong, Vice Chancellor of Human Resources at (925) 485-5261 or wfong@clpccd.org.

Smoking Policy

In an effort to prevent the serious health risks associated with exposure to smoking and environmental tobacco smoke, faculty, staff, students and visitors at Las Positas College who choose to use tobacco products may do so in parking lots and designated areas only. Smoking is not permitted in any College-owned vehicle.

Drug-Free Workplace

The Chabot-Las Positas Community College District is committed to maintaining a drug-free work/learning place in accordance with the requirements of the U.S. Drug-Free Workplace Act of 1988. The District certifies that it will provide a drug-free work/learning place by taking the actions required by the Drug-Free Workplace Act. For more information, please inquire with the Office of the Vice President of Student Services.

Visitors

Visitors to Las Positas College must register with the receptionist in the Student Services & Administration Building. Visits to the classrooms are by permit only. Non-students, including children, must have a permit issued from the Office of the Vice President of Student Services or appropriate college administrator. Prior permission from the instructor is required. Permission to enter upon the property of the District, either stated or implied in other policies or practices, is subject to the District policy of time, place, and manner.

Non-Discrimination Policy (Age)

Las Positas College complies with the Age Discrimination in Employment Act of 1974 which prohibits discrimination in employment on the basis of age.

Disability

Las Positas College does not discriminate on the basis of disability in admission or access to, or treatment or employment in, its programs and activities. Sections 503 and 504 of the Rehabilitation Act of 1973, as amended, and the regulation adopted thereunder prohibit such discrimination.

Race, Color, or National Origin

Las Positas College complies with the requirements of Title VI of the Civil Rights Act of 1964 and the regulations adopted thereunder. No person shall on the grounds of race, color, or national origin be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any program of the College. Las Positas College complies with Title VII of the Act, which includes nondiscrimination on the basis of religion and sex. Limited language skills are not a barrier to occupational programs and services of the College.

Gender

Las Positas College does not discriminate on the basis of gender in the educational programs or activities it conducts. Title IX of the Educational Amendments of 1972, as amended, and the administrative regulations adopted thereunder prohibit discrimination on the basis of gender in education programs and activities operated by the College. Such programs and activities include admission of students and employment.

Declaración de no Discriminación

Las Positas College, de acuerdo con las leyes civiles, declara que no discrimina hacia ninguna persona a base de su raza, color, nacionalidad, ascendencia, religión, creencia, sexo, edad o incapacidad, en sus programas y políticas de empleo y educación. El conocimiento limitado del idioma no limita acceso a programas y

servicios ocupacionales. Cualquier pregunta sobre la aplicación de esta declaración puede dirigirse al U.S. Department of Education, Office for Civil Rights, 50 United Nations Plaza, San Francisco, CA 94102, teléfono (415) 486-5555.

Privacy Rights of Students

Each student and alumni of Las Positas College has a right to review the official educational records, files, documents, and other materials that contain information directly related to him or her; and challenge such records that are inaccurate, misleading, or otherwise inappropriate. It is also the policy of the College that, unless excluded by state or federal law, no record, files, documents, materials, or personally identifiable information contained therein shall be released to any individual, agency, or organization without the express written consent of the student.

Any student desiring to review his/her official educational records should contact the Dean of Enrollment Services to determine procedures for such review. Any student desiring to challenge the content of his/her official educational records should contact the Office of the Vice President of Student Services.

While the College does not provide general directory services, it may by law under special circumstances release the following information about a student: name, address, telephone number, date and place of birth, major field of study, class schedule, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degree and awards received, and the most recent previous public or private school of attendance. Any student who does not wish such information to be released about his/her participation or status should notify the Admissions and Records Office in writing at the beginning of each semester or term of attendance.

Posting of Materials

The Vice President of Student Services or Division Deans must approve posting of flyers and posters. Only flyers and posters related to activities, events, or classes sponsored by Las Positas College or Chabot College will be approved for general display. Other announcements will be considered for approval for posting on-campus.

Hazing

Hazing is prohibited at Las Positas College. Section 32050 of the Education Code makes participation in any kind of hazing a misdemeanor. Hazing is defined as “any method of initiation or preinitiation into a student organization or student body or any pastime or amusement engaged in with respect to these organizations which causes, or is likely to cause, bodily danger, physical harm, or personal degradation or disgrace resulting in physical or mental harm, to any pupil or other person attending any school, community college, college, university, or other educational institution in this state.”

Secret Organizations

Membership in secret fraternities, sororities, and organizations, as described by the California Education Code (Section 76035), is prohibited. Las Positas College students who participate in such groups shall be subject to student discipline in accordance with law.

Speech: Time, Place, and Manner

Procedures regarding time, place, and manner shall govern the exercise of free speech and related activities on the campus. The responsibility for maintaining conduct within the bounds of the law and compliance with the policies of the Board of Trustees shall be assumed by individuals, organizations, and the sponsoring organization's officers and student organizations, advisors and all organizational members. Restrictions on speech content shall extend no further than to restrain speech that is obscene, libelous, or presents a clear and present danger.

Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights are the right to inspect and review the student's education records within 45 days of the day the College receives a request for access. Students should submit to the Dean of Enrollment Services, a written request that identifies the record(s) they wish to inspect. The Dean will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the Dean of Enrollment Services, they shall advise the student of the correct official to whom the request should be addressed.

The right to request the amendment of the student's education records that the student believes is inaccurate or misleading. Students may ask the College to amend a record that they believe is inaccurate or misleading. They should write the Dean of Enrollment Services or College official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception, which permits disclosure without consent, is disclosure to school officials with legitimate educational interests. A school official is defined as a person employed by Chabot-Las Positas Community College District in an administrative, supervisory, academic, or support staff position (including law enforcement unit and health staff); a person or company with whom the College or District has contracted (such as an attorney, auditor, or collection agency); a person serving on the Board of Trustees; or a person assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional duties and responsibilities.

Upon request, the College discloses education records without consent to officials of another school in which a student seeks or intends to enroll. While the College does not provide general student directory services, it may release the following information about a student without consent: name, address, telephone number, date of birth, major field of study, photos, degree and awards received and date of attendance. Any student, who does not wish such information

to be released about him/herself, shall notify Admissions and Records Office in writing, no later than 10 school days after the start of the term. Las Positas College does not release student information for individual use, private business or commercial firms for use in advertising and publicity.

If a student has a concern, they have the right to file a complaint with the U.S. Department of Education concerning alleged failures by the College to comply with the requirements of FERPA. The name and address of the office that administers FERPA is the U.S. Department of Education, 400 Maryland Avenue, SW, Washington, DC 20202-4605. Website: www.ed.gov/policy/gen/guid/fpco/ferpa.

For more information regarding FERPA, contact the Vice President of Student Services at (925) 424-1406 or the Dean of Enrollment Services at (925) 424-1542.

ACADEMIC REGULATIONS

Academic Standards

It is the policy of the Las Positas College Academic Senate that all academic courses be taught at a post-secondary level, particularly courses for which Las Positas College has articulation agreements with four-year institutions. When a course is articulated, it assures that students completing the course have attained certain levels of academic skill and knowledge comparable with the equivalent course at a four-year institution.

It is understood that students enter Las Positas College with varying levels of scholarship and achievement. Because of this, some students will need to take extra measures (tutoring, basic skills work, etc.) to master their college coursework. It is the student's responsibility to take appropriate action to ensure his/her success; faculty are not expected to alter course content below the college-level so that students enrolled in the class will pass. Course content and objectives are reflected in the course outline on file with the Office of Academic Services, 1600, and are based on the academic foundation students are expected to have upon entering the course.

Faculty Office Hours

All members of the full-time faculty schedule office hours each week. This schedule is posted outside each instructor's office. Students are encouraged to take advantage of this opportunity, the benefits of which include:

- Assistance in understanding and achieving specific course expectations
- Development of concepts and understanding beyond the course expectations
- Insight into career opportunities within the instructor's area of expertise
- Encouragement, assistance, and direction in meeting both educational and personal needs
- Continuing association with a member of the academic community.

Attendance Requirements

It is assumed that each student will consider class attendance an absolute requirement. It is the student's responsibility to attend every class the scheduled length of time. Excessive absences, tardiness, and leaving class early may be taken into consideration by instructors in assigning grades.

Excessive Absence

A student absent for a total of four consecutive, or six cumulative, instructional hours and/or two consecutive weeks of instruction may be dropped from that class by the instructor. This action constitutes an official termination of class enrollment and will be recorded as specified on in the section on "Withdrawing from Classes" in this Catalog.

Reporting Absence

Absences should be cleared personally with instructors. Messages may be left directly on the instructor's voice-mail.

Examinations and Evaluations

Students will be expected to take examinations and to complete and submit reports and/or projects. The instructor will determine the scheduling of exams and due dates of reports and projects. Unless the student and instructor have made prior arrangements, the instructor is under no obligation to reschedule missed exams or to extend deadlines for reports and/or projects.

Removal of Disruptive Students

Instructors may remove disruptive students from the classroom for the duration of a class period but may not terminate their enrollment for disciplinary reasons. The Vice President of Student Services or designee may recommend suspension of a student for due cause. Only the Board of Trustees can expel a student from the College District.

Use of Electronic Recorders

Students are not permitted to make recordings in class or in any campus meetings without the approval of the instructors involved. Exceptions shall be made for students with disabilities who have permission from the Disabled Student Programs and Services.

Grades

Grades are a means of communicating student achievement within courses of instruction. College grades are defined as follows:

GRADE	MEANING	GRADE VALUE
A	Excellent	4 grade points per unit
B	Above Average	3 grade points per unit
C	Average	2 grade points per unit
D	Barely Passing	1 grade point per unit
F	Failing	0 grade points/units attempted with no units earned. May negatively affect progress. See the section on "Academic Probation and Dismissal" in this Catalog.

GRADE	MEANING	GRADE VALUE
P	Pass	0 grade points/units earned with no units attempted.
NP	No Pass	0 grade points/no units earned and no units attempted. See the section on “Academic Probation and Dismissal” in this Catalog.
SP	Satisfactory Progress	0 grade points/no units earned and no units attempted. Used to indicate satisfactory progress, but not completion, of a noncredit course.
I	Incomplete	0 grade points/no units earned and no units attempted. May negatively affect progress. See the section on “Academic Probation and Dismissal” in this Catalog.

Pass/No Pass Grades

(Unit Limitations May Exist at Transfer Institutions)

In accordance with the Education Code and the Administrative Code, Las Positas College has established a grading policy which adds the “P” (pass) and “NP” (no pass) grades to the standard letter grades (A, B, C, D, F) used in colleges and universities. Courses in which a “P” (pass) grade is earned will apply toward the 60 units required for graduation, but will not affect the student’s grade point average. A maximum of 12 units of “P” (pass) may be attempted and applied toward the Associate in Arts or Associate in Science Degree.

Additional units may be applied provided the student secures prior approval of the of Dean of Student Services. A course in which a “NP” (no pass) grade is earned will not apply toward graduation and will not affect the student’s grade point average. An excess of number of “NP” (no pass) grades will affect the student’s academic progress ratio, resulting in a low figure.

Offering courses for pass/no pass grades provides the student with the opportunity to explore areas outside his/her current interest field without undue concern for his/her grade point average. This policy allows the student to take coursework outside his/her major without the fear of a substandard grade, namely a “D” or “F.” Students are expected to complete the course and comply with College attendance requirements and other expectancies of the course. Should they fail to do so, their enrollment in the class may be terminated; and the work may be graded on the basis of a standard letter grade.

- Some courses solely for a pass/no pass (P or NP) grade.
- Some courses solely for a standard letter grade.
- Some courses in which the student may choose to complete the course for either a pass/no pass grade OR for a standard letter grade.

On or before the last day of the fifth week of the semester, the student shall inform the Admissions and Records Office, by petition, of his/her intention to complete a course for a pass/no pass grade and the instructor shall report to the Dean of Enrollment Services a final grade of “P” (pass) or “NP” (no pass) for students who so petition.

The student’s decision to opt for pass/no pass grade may not be reversed by either the student or the instructor at a later date.

The “P” (pass) grade will be given to indicate completion of a course with “C” or better work.

A student may repeat a course in which a grade of “D,” “F” or “NP” (no pass) is earned.

Administrative Symbol “IP”—In Progress

The administrative symbol “IP” is established to indicate coursework “in progress.” The symbol “IP” is not a grade; therefore, it has no value in calculating unit credit or grade point average. The required coursework to remove the “IP” must be completed by the end of the term following the date the “IP” was granted. If a student is assigned an “IP” at the end of a term and does not complete that course during the subsequent term, the appropriate faculty member will assign an evaluative symbol (grade) to be recorded on the student’s permanent record.

Administrative Symbol “RD”—Report Delayed

Only the Dean of Enrollment Services can assign the administrative symbol “RD”. It is to be used when there is a delay in reporting a grade due to extenuating circumstances. It is a temporary notation to be replaced by a permanent grade/symbol, as soon as possible. “RD” shall not be used in calculating grade point averages.

Administrative Symbol “I”—Incomplete

Incomplete academic work for unforeseeable emergency and justifiable reasons at the end of the term may result in an “I” symbol being entered by the instructor on the student’s permanent record. The student may complete the course work by the end of the following term or semester and receive an appropriate letter grade. If the student does not complete the course work before this deadline, the right of the student to make up the work is forfeited. The student may petition to extend the deadline date because of extenuating circumstances, but this will require the approval of the Dean of Enrollment Services of Las Positas College, or designee, and the instructor of record. The “I” will be replaced with the alternate letter grade assigned by the instructor at the time the incomplete was assigned.

A “grade change card” will contain the following documentation and shall be maintained by the Dean of Enrollment Services.

- The condition(s) stated by the instructor for removal of the “I”;
- The letter grade to be assigned if the work has not been completed within the designated time limit;
- The letter grade assigned when the stipulated work has been completed; and
- The signature of the student.

The “I” symbol shall not be used in calculating units attempted or for grade points.

Academic Grade Point Average

The Academic Grade Point Average (GPA) is an index of the quality of a student’s work.

To enable the calculation of the GPA, eligibility for honors and recognition, and other scholastic status, letter grades are converted to

numerical form using the grade value as previously defined.

Grades earned in non-degree applicable courses (numbered 100-299) will not be used when calculating a student's degree applicable grade point average. Courses below the English 1A requirement are not degree applicable.

The GPA is calculated by dividing total grade points by total units attempted. Points are determined as follows:

Grade Points

A = 4 points per unit

B = 3 points per unit

C = 2 points per unit

D = 1 points per unit

F = 0 points per unit

Example

HISTORY 1	3 units x 3 grade points (B) = 09 grade points
MATH 1	5 units x 2 grade points (C) = 10 grade points
KIN 1	.5 unit x 4 grade points (A) = 02 grade points
TOTAL	8.5 units = 21 grade points
21 DIVIDED BY 8.5 = 2.47 OR C	

Scholastic Honors

Students who complete at least 6 units of work each semester with grades yielding a semester GPA of 3.25 or better are recognized for academic distinction by placement on the Academic Honors List and by a notation on the semester grade report and transcript.

Students who graduate with "Highest Honors" (GPA of 3.50 or better) and those who graduate with "Honors" (GPA of 3.25 or better) are recognized at graduation.

The Sigma Theta Chapter of Alpha Gamma Sigma (AGS) is a California Community College Honor Scholarship Society that recognizes academic achievement. Membership eligibility and other information are available through the AGS advisor.

Grade Change Deadline Period

Awarding grades to students is the responsibility of the instructor of the course in which the student is registered. The determination of the student's grade by the instructor shall be final in the absence of mistake, fraud, bad faith, or incompetence.

When a student believes that an error has been made in the assignment of a grade, he or she should discuss the problem with the instructor. To correct an erroneous grade, a special "Request for Grade Change" form must be completed and presented to the Office of Admissions and Records by the instructor. The Office of Admissions and Records will forward the form to the Dean of Enrollment Services.

Requests for a grade change must be made during the semester immediately following the semester/session for which the grade was assigned. Responsibility for monitoring personal academic records rests with the student.

Grade changes will not be made after the established deadline except

in cases with extenuating circumstances. These are acute medical, family or other personal problems that cause the student to be unable to meet the deadline. Requests for a grade change under this exception shall be made to the Dean of Enrollment Services (or designee) who may, upon verification of the circumstance(s), authorize the initiation of a grade change to "NGR" or "W". The student must present evidence of the extenuating circumstance(s).

Original copies of the instructor grade reports will be retired to microfilm after a five-year retention period. Grade changes shall not be made after that time.

Academic Renewal

Academic Renewal, in accordance with the California Education Code Sections 55764 and 55765, is a process that permits the alleviation of substandard (D's, F's) academic coursework not reflective of the student's current scholastic ability. Grades alleviated by this process will be disregarded in computing the student's grade point average. Only courses taken at the Chabot-Las Positas Community College District will apply. Work completed at other institutions may be considered for graduation eligibility only.

For students to be eligible for academic renewal they must be currently enrolled at Chabot and/or Las Positas College, and a period of at least two (2) years must have elapsed since completion of the coursework to be disregarded. The student may petition the Dean of Student Services at Las Positas College or the Director of Admissions and Records at Chabot College for academic renewal upon completion of the following:

- A minimum of 12 units taken consecutively at Las Positas and/or Chabot with a grade point average of 2.5 or better; or
- A minimum of 20 units with at least a 2.0 grade point average.

Upon approval, the student's permanent record shall be annotated in such a manner that all courses disregarded shall remain legible on the transcript, indicating a true and accurate history of the student's record.

Students may petition for academic renewal only once. Once the academic renewal process has been completed, it cannot be reversed. A maximum of 24 units of work may be renewed.

Academic renewal at Chabot and Las Positas College does not guarantee that other colleges will accept this action. Acceptance of academic renewal is at the discretion of the receiving institution.

Catalog Requirements / Continuous Attendance

A student in continuous attendance in regular semesters may, for the purpose of meeting degree or certificate requirements, elect to meet the requirements in effect at any time during their period of continuous attendance at the Chabot-Las Positas Community College District.

Graduation requirements are listed in the Catalog. If a break in attendance occurs before graduation requirements have been met, the graduation requirements that apply to the student are those listed in the Catalog in force at the time continuous studies are resumed.

Continuous attendance is defined as enrollment in at least one semester during the academic year excluding summer session. Any academic record symbol (A-F, P/N, I, IP, RD, W) shall constitute enrollment. A student who drops out for one academic year or more is

considered to be a returning student.

The Las Positas College Catalog Requirements and Continuous Attendance Policy do not necessarily apply to requirements in effect at transfer institutions. Courses applicable toward major and general education requirements may change. Students who are planning to transfer are advised to consult the catalog of the university to which they will transfer.

Notice of Unsatisfactory Work (Early Alert)

Instructors may notify students of unsatisfactory work at any time during the semester. Such notices are given to the student in person or mailed to the student at his/her home address. Excessive absences, academic deficiency, and failure to submit assignments constitute reasons for notices of unsatisfactory work. A student who receives such notices, or any student who experiences difficulty with academic achievement, is encouraged to consult with his/her instructor and counselor for assistance.

Scholastic Standards

The Academic Standards Policy of Las Positas College is established to assist students in making appropriate educational plans. There are two indices to academic standards: Academic Status and Academic Progress.

Academic Probation and Dismissal

A student who has attempted at least 12 semester units of college courses and has a cumulative grade point average of less than 2.0 will be placed on Academic Probation I.

A student on Academic Probation I who does not raise his/her cumulative grade point average to 2.0 or higher in the following semester will be placed on Academic Probation II.

Veterans lose certification for Veterans Benefits after two semesters of academic probation; refer to the Office of Veterans Affairs.

A student on Academic Probation II who does not raise his/her cumulative grade point average to a 2.0 or higher in the following semester of attendance will be dismissed. The first time a student is dismissed, he or she may apply for readmission after one semester, summer session not included, of non-attendance. In the case of a second dismissal, the student may apply for readmission after 5 years of non-attendance or upon appeal to the Vice President of Student Services. Summer session does not count as a semester in determining academic status.

Removal of Poor Academic Status

Once a student on academic probation raises his or her overall (cumulative) grade point average to a 2.0 ("C") or higher, s/he will be taken off Academic Probation status and will become a "student in good standing."

Progress Probation and Dismissal

Progress Probation is determined by the percentage of cumulative units with grades of W, N, or I (Poor Progress Grades). A student who has attempted 12 cumulative semester units of College course work will be placed on Progress Probation I if 50% or more of the cumulative units attempted resulted in Poor Progress grades.

A student on Progress Probation I who does not reduce his/her

percentage of cumulative poor progress units to below 50% will be placed on Progress Probation II.

If a student on Progress Probation II continues to have 50% or more of his/her cumulative units made up of Poor Progress grades in the following semester, s/he will be dismissed. The first time a student is dismissed, he or she may apply for readmission after one semester (summer session not included) of non-attendance. In the case of a second dismissal, the student may apply for readmission after 5 years of non-attendance or upon appeal to the Vice President of Student Services. Summer session does not count as a semester in determining progress status.

Removal of Poor Progress Status

In order to reverse poor progress status and become a student in good standing, a student must reduce the cumulative units of W, N or I grades to less than 50% of his/her total units attempted. Summer session does not count as a semester in determining progress status.

Appeal Process

Under extenuating circumstances beyond the student's control or ability to foresee, exceptions to these policies are granted by the Vice President of Student Services or designee. Students should see a counselor to discuss their progress or academic status and for details associated with the academic standards policy.

Credit-by-Examination (Individual Student Application)

Chabot-Las Positas Community College District supports the general proposition that the full value of classroom learning experience cannot be measured by any examination. Students who have achieved elsewhere an equivalent knowledge, understanding and experience to that required by regular college courses may receive units of credit based on successful completion of a comprehensive and searching course examination approved by the College discipline faculty. Students may apply individually for Credit-by-Examination for any course offered in the Catalog. In addition, the Credit-by-Examination process may also be used to provide credit for completion of certain coursework at the high school level, where deemed appropriate by the majority of faculty in the discipline. (See the section on "High School/ ROP/Adult School Articulation" in this Catalog.)

1. Eligibility

Any student applying for Credit-by-Examination will be expected to have had extensive experiences which have prepared the person in the subject matter and for which the individual can provide acceptable evidence of those experiences at the time of application. The student must be registered at the College and in good academic standing.

2. Application and Administration

A student may apply for Credit-by-Examination through the petition process for courses listed in the Catalog. The petition must be approved by the appropriate discipline faculty and by the Division Dean. Applicable fees/and or tuition must be paid at the Admissions and Records Office. Arrangements for completing the examination and the actual administration will be made between the student and the instructor after the petition is approved. The examination itself may take a variety of forms, including written, oral, demonstration or a combination of methods.

3. Awarding of Credit

Upon completion of the examination, the administering instructor will verify the course and number of units to be received and will assign an appropriate grade. Students shall be offered a credit/ no-credit option if that option is normally available for the course. The student must achieve a grade of “C” or better to be awarded credit under Credit by Examination policy.

4. Limitations

Credit-by-Examination coursework may not be counted as part of the 12-unit residency requirement necessary for graduation from the College. The amount of credit which may be earned and counted toward graduation at the College is normally limited to 10 semester units. Under certain circumstances, advanced placement credit may be awarded to a diploma graduate in nursing which may include up to 30 semester units (one year) of academic credit.

External Examinations

Advanced Placement (AP) Examinations

Las Positas College grants academic credit for successful completion of examinations of the College Board’s Advanced Placement (AP) Program. Credit awarded based on passing AP scores of 3 or higher may be applied differently for the AA/AS degree and for transfer; therefore, students are advised to consult with a counselor for information on how their AP scores will be applied based on their educational goals. Courses deemed equivalent to AP exams as determined by LPC faculty (see chart) may be used to clear pre-requisites as appropriate – see a counselor for details. Students may not receive duplicate credit for AP exams and the equivalent courses taken at the college.

The Advanced Placement Exams (AP) chart displays how credit is awarded for the following:

- Las Positas College AA/AS degree – Las Positas College AA/AS General Education pattern area and units, elective units, and course equivalency.
- CSU General Education-Breadth pattern area and units toward CSU transfer admission.
- IGETC (Intersegmental General Education Transfer Curriculum) – GE pattern area for CSU and/or UC and units toward CSU and UC transfer admission.

In order to receive academic credit toward the AA/AS degree and/ or CSU GE Breadth/IGETC certification for AP exams, students must submit the official AP score report from the College Board. to the Admissions and Records Office and request the score report to be scanned into their student records. The scanning request may be initiated by meeting with an academic counselor. In cases where the AP exams are not listed on the AP Chart or do not earn credit, students may petition the academic discipline for consideration of credit.

International Baccalaureate (IB) Examinations

Las Positas College grants academic credit for successful completion of examinations of the International Baccalaureate (IB) Program.

Credit awarded based on passing IB scores may be applied differently for the AA/AS degree and for transfer; therefore, students are advised to consult with a counselor for information on how their IB scores will be applied based on their educational goals. Students may not receive duplicate credit for IB exams and the equivalent courses taken at the college.

The International Baccalaureate (IB) Examinations chart displays how credit is awarded for the following:

- Las Positas College AA/AS degree – Las Positas College AA/AS General Education pattern area and units, and elective units.
- CSU General Education-Breadth pattern area and units toward CSU transfer admission.
- IGETC (Intersegmental General Education Transfer Curriculum) – GE pattern area for CSU and/or UC and units toward CSU and UC transfer admission.

In order to receive academic credit toward the AA/AS degree and/ or CSU GE Breadth/IGETC certification for IB exams, students must submit the official IB score report to the Admissions and Records Office and request the score report to be scanned into their student records. The scanning request may be initiated by meeting with an academic counselor. In cases where the IB exams are not listed on the IB Chart or do not earn credit, students may petition the academic discipline for consideration of credit.

College-Level Examination Program (CLEP)

Las Positas College grants academic credit for successful completion of examinations of the College Board’s College-Level Examination Program (CLEP). Credit awarded based on passing CLEP scores may be applied differently for the AA/AS degree and for transfer; therefore, students are advised to consult with a counselor for information on how their CLEP scores will be applied based on their educational goals. Students may not receive duplicate credit for CLEP exams and the equivalent courses taken at the college.

The College-Level Examination Program (CLEP) chart displays how credit is awarded for the following:

- Las Positas College AA/AS degree – Las Positas College AA/AS General Education pattern area and units, and elective units.
- CSU General Education-Breadth pattern area and units toward CSU transfer admission.

In order to receive academic credit toward the AA/AS degree and/ or CSU GE Breadth certification for CLEP exams, students must submit the official CLEP score report from the College Board to the Admissions and Records Office and request the score report to be scanned into their student records. The scanning request may be initiated by meeting with an academic counselor. In cases where the CLEP exams are not listed on the CLEP Chart or do not earn credit, students may petition the academic discipline for consideration of credit.

- Credit may be earned for the International Baccalaureate (IB) examinations with scores of 4 or higher.
- A score of 5, 6 or 7 on Higher Level exams is required to grant credit for IGETC certification.
- An acceptable IB score for IGETC equates to either 3 semester or 4 quarter units for certification purposes.
- Students who have earned credit from an IB exam should not take a comparable college course because transfer credit will not be granted for both.
- CSU units count toward eligibility for admission. The units may not apply towards Associate Degrees for Transfer (AD-T) or the baccalaureate degree. The units may not all apply toward certification of the corresponding GE-Breadth area.
- All units listed are semester units.
- Las Positas College GE Area: C-Communication and Analytical Thinking, H-Humanities, L-Language and Rationality, N-Natural Sciences, S-Social and Behavioral Sciences

IB Examination HL	LPC Credit				CSU Credit				UC Credit			
	Passing Score	Units	GE Area	GE Units	Passing Score	Units	GE-B Area	GE-B Units	Passing Score	Units	IGETC Area	IGETC Units
Biology	5	6	N	3	5	6	B2	3	5	5.3	5B	3
Chemistry	5	6	N	3	5	6	B1	3	5	5.3	5A	3
Economics	5	6	S	3	5	6	D2	3	5	5.3	4	3
Geography	5	6	S	3	5	6	D5	3	5	5.3	4	3
History (any region)	5	6	H or S	3	5	6	C2 or D6	3	5	5.3	3B or 4	3
Language A Literature (any language)	4	6	H	3	4	6	C2	3	5	5.3	3B*	3
Language A Language and Literature (any language)	4	6	H	3	4	6	C2	3	5	5.3	3B*	3
* Students earn IGETC area 3B and 6A if they pass IB Language A Literature or Language A Language and Literature with any language except English.												
Language B (any language)	4	6	n/a	0	4	6	n/a	0	5	5.3	6A	3
Mathematics	4	6	L	3	4	6	B4	3	5	5.3	2A	3
Physics	5	6	N	3	5	6	B1	3	5	5.3	5A	3
Psychology	5	3	S	3	5	3	D9	3	5	5.3	4	3
Theatre	4	6	H	3	4	6	C1	3	5	5.3	3A	3



2019-2020 Advanced Placement (AP) Examinations

- Credit may be earned for the College Board Advance Placement (AP) Exams with scores of 3 or higher.
- Course credit and units granted at Las Positas College may differ from amounts granted by transfer institutions or other community colleges.
- CSU units count toward eligibility for admission and may not apply towards Associate Degrees for Transfer (AD-T) or the baccalaureate degree. The units may not all apply toward certification of the corresponding GE-Breadth area.
- All units listed are semester units.
- Las Positas College GE Area: C-Communication and Analytical Thinking, H-Humanities, L-Language and Rationality, N-Natural Sciences, S-Social and Behavioral Sciences

AP Examination	LPC Credit				CSU Credit			UC Credit		
	Units	GE Area	GE Units	LPC Course(s)	Units	GE-B Area	GE-B Units	Units	IGETC Area	IGETC Units
Art History	6	H	3	ARHS 4 ARHS 5	6	C1 or C2	3	5.3	3A or 3B	3
Biology	6	N	3	BIO 30	6	B2 & B3	4	5.3	5B & 5C	4
Calculus AB	5	C	3	MATH 1	3*	B4	3	2.7**	2A	3
Calculus BC	10	C	3	MATH 1 MATH 2	6*	B4	3	5.3**	2A	3
Calculus BC/AB Subscore***	5	C	3	MATH 1	3*	B4	3	2.7**	2A	3
Calculus Exam Limitations										
* Maximum credit: one exam in calculus or computer science may be applied to the baccalaureate.										
** Maximum credit: 5.3 semester units for both MATH AB and BC exams; 2.7 semester units for both AB and the AB Subscore for UC										
*** Students who take the BC exam and earn a subscore of 3 or higher on the AB portion will receive credit for the AB exam, even if they do not receive a score of 3 or higher on the BC exam for UC.										
Chemistry	6	N	3	CHEM 1A	6	B1 & B3	4	5.3	5A & 5C	4
Chinese Language and Culture	6	H	3	n/a	6	C2	3	5.3	3B & 6A	3
Comparative Government and Politics	3	S	3	POLI 20	3	D8	3	2.7	4	3
Computer Science A	4	n/a	0	CS 31	3*	n/a	0	1.3	n/a	0
Computer Science Principles	6	n/a	0	n/a	6*	B4	3	5.3	n/a	0
Computer Science Exam Limitations										
* Maximum credit: one exam in computer science or calculus may be applied to the baccalaureate.										
English Language and Composition	6	L	3	ENG 1A	6	A2	3	5.3*	1A	3
English Literature and Composition	6	L	3	ENG 1A	6	A2 & C2	6	5.3*	1A or 3B	3
English Exam Limitations										
* Maximum credit: 5.3 semester units for both English Language and Composition and English Literature and Composition exams for UC										
Environmental Science	4	N	3	EVST 5	4	B1 & B3	4	2.7	5A & 5C	3
European History	6	S or H	3	HIST 2	6	C2 or D6	3	5.3	3B or 4	3
French Language and Culture	6	H	3	FREN 1A	6	C2	3	5.3	3B & 6A	3
French Language and Culture (Score of 4)	10	H	3	FREN 1A FREN 1B	6	C2	3	5.3	3B & 6A	3
German Language and Culture	6	H	3	n/a	6	C2	3	5.3	3B & 6A	3
Human Geography	3	S	3	GEOG 2	3	D5	3	2.7	4	3
Italian Language and Culture	6	H	3	ITLN 1A	6	C2	3	5.3	3B & 6A	3
Italian Language and Culture (Score of 4)	10	H	3	ITLN 1A ITLN 1B	6	C2	3	5.3	3B & 6A	3
Japanese Language and Culture	6	H	3	n/a	6	C2	3	5.3	3B & 6A	3
Latin	6	H	3	n/a	6	C2	3	2.7	3B & 6A	3
Macroeconomics	3	S	3	ECON 2	3	D2	3	2.7	4	3

- All units listed are semester units.
- Las Positas College GE Area: C-Communication and Analytical Thinking, H-Humanities, L-Language and Rationality, N-Natural Sciences, S-Social and Behavioral Sciences

AP Examination	LPC Credit				CSU Credit			UC Credit		
	Units	GE Area	GE Units	LPC Course(s)	Units	GE-B Area	GE-B Units	Units	IGETC Area	IGETC Units
Microeconomics	3	S	3	ECON 1	3	D2	3	2.7	4	3
Music Theory	6	H	3	MUS 8A	6	C1	3	5.3	n/a	0
Music Theory (Score of 5)	8	H	3	MUS 8A MUS 8B	6	C1	3	5.3	n/a	0
Music Exam Limitations										
* UC's grant credit for the full Music Theory exam. Students who earn only a subscore will not receive exam credit.										
Physics 1	4	N	3	PHYS 2A	4*	B1+B3	4	5.3**	5A & 5C	4
Physics 2	4	N	3	PHYS 2B	4*	B1+B3	4	5.3**	5A & 5C	4
Physics C: Electricity and Magnetism	5	N	3	PHYS 1C	4*	B1+B3	4	2.7**	5A & 5C	4
Physics C: Mechanics	5	N	3	PHYS 1A	4*	B1+B3	4	2.7**	5A & 5C	4
Physics Exam Limitations										
* Maximum credit: 4 semester units toward GE and 6 semester units toward transfer for all Physics exams passed for CSU.										
** Maximum credit: 5.3 semester units for all Physics exams for UC.										
Psychology	3	S	3	PSYC 1	3	D9	3	2.7	4	3
Seminar	3	n/a	0	n/a	3	n/a	0	0	n/a	0
Spanish Language and Culture	6	H	3	SPAN 1A	6	C2	3	5.3	3B & 6A	3
Spanish Language and Culture (Score of 4)	10	H	3	SPAN 1A SPAN 1B	6	C2	3	5.3	3B & 6A	3
Spanish Literature and Culture	6	H	3	n/a	6	C2	3	5.3	3B & 6A	3
Spanish Literature and Culture (Score of 4)	6	H	3	SPAN 21	6	C2	3	5.3	3B & 6A	3
Statistics	4	L	3	MATH 40	3	B4	3	2.7	2A	3
Studio Art: 2D Design	3	n/a	0	ARTS 23	3	n/a	0	5.3*	n/a	0
Studio Art: 3D Design	3	n/a	0	ARTS 24	3	n/a	0	5.3*	n/a	0
Studio Art: Drawing	3	n/a	0	ARTS 2A	3	n/a	0	5.3*	n/a	0
AP Studio Art Exam Limitations										
* Maximum credit: 5.3 semester units for all Studio Art exams.										
United States Government and Politics	4	S	3	POLI 7	3	D8 and US-2	3	5.3	4	3
United States History	6	S or H	3	HIST 7 HIST 8	6	C2 or D6 and US-1	3	5.3	3B or 4	3
World History	3	S or H	3	n/a	3	C2 or D6	3	5.3	3B or 4	3



2019-2020 College-Level Examination Program (CLEP)

- Credit may be earned for the College-Level Examination Program (CLEP) with scores of 50 or higher.
- CSU units count toward eligibility for admission. The units may not apply towards Associate Degrees for Transfer (AD-T) or the baccalaureate degree. The units may not all apply toward certification of the corresponding GE-Breadth area.
- If a student passes more than one CLEP test in the same language other than English, then only one examination may be applied to the baccalaureate. For each test in a language other than English, a passing score of 50 is considered “Level I” and earns six units of baccalaureate credit; the higher score listed for each test is considered “Level II” and earns additional units of credit and placement in Area C2 of GE Breadth, as noted.
- All units listed are semester units.
- Las Positas College GE Area: C-Communication and Analytical Thinking, H-Humanities, L-Language and Rationality, N-Natural Sciences, S-Social and Behavioral Sciences, W-Wellness: Health

** Corrected 4/12/19

CLEP Examination	Passing Score	LPC Credit			CSU Credit		
		Units	GE Area	GE Units	Units	GE-B Area	GE-B Units
American Government	50	3	S	3	3	D8	3
American Literature	50	3	H	3	3	C2	3
Analyzing and Interpreting Literature	50	3	H	3	3	C2	3
Biology	50	3	N	3	3	B2	3
Calculus	50	3	L	3	3	B4	3
Chemistry	50	3	N	3	3	B1	3
College Algebra	50	3	L	3	3	B4	3
College Algebra - Trigonometry	50	3	L	3	3	B4	3
College Composition	50	0	n/a	0	0	n/a	0
College Composition - Modular	50	0	n/a	0	0	n/a	0
College Mathematics	50	0	n/a**	0	0	n/a	0
English Composition (no essay)	50	0	n/a	0	0	n/a	0
English Composition with Essay	50	0	n/a	0	0	n/a	0
Financial Accounting	50	3	n/a	0	3	n/a	0
French Level I	50	6	n/a	0	6	n/a	0
French Level II	59	9	H	3	9	C2	3
Freshman College Composition	50	0	n/a	0	0	n/a	0
German Level I	50	6	n/a	0	6	n/a	0
German Level II	60	9	H	3	9	C2	3
History, United States I	50	3	S	3	3	D6+US-1	3
History, United States II	50	3	S	3	3	D6+US-1	3
Human Growth and Development	50	3	W*	3*	3	E	3
* AA GE credit only							
Humanities	50	3	H	3	3	C2	3
Information Systems and Computer Applications	50	3	n/a	0	3	n/a	0
Introduction to Educational Psychology	50	3	n/a	0	3	n/a	0
Introductory Business Law	50	3	n/a	0	3	n/a	0
Introductory Psychology	50	3	S	3	3	D9	3
Introductory Sociology	50	3	S	3	3	D0	3
Natural Sciences	50	3	N	3	3	B1 or B2	3
Pre-Calculus	50	3	L	3	3	B4	3



- All units listed are semester units.
- Las Positas College GE Area: C-Communication and Analytical Thinking, H-Humanities, L-Language and Rationality, N-Natural Sciences, S-Social and Behavioral Sciences, W-Wellness: Health

CLEP Examination	Passing Score	LPC Credit			CSU Credit		
		Units	GE Area	GE Units	Units	GE-B Area	GE-B Units
Principles of Accounting	50	3	n/a	0	3	n/a	0
Principles of Macroeconomics	50	3	S	3	3	D2	3
Principles of Management	50	3	n/a	0	3	n/a	0
Principles of Marketing	50	3	n/a	0	3	n/a	0
Principles of Microeconomics	50	3	S	3	3	D2	3
Social Sciences and History	50	0	n/a	0	0	n/a	0
Spanish Level I	63	6	n/a	0	6	n/a	0
Spanish Level II	63	9	H	3	9	C2	3
Western Civilization I	50	3	H or S	3	3	C2 or D6	3
Western Civilization II	50	3	S	3	3	D6	3

PROGRAMS OF STUDY

Las Positas College is authorized by the Board of Governors of the California Community Colleges to confer the Associate Degree, Associate Degree for Transfer, Certificate of Achievement, Certificate of Accomplishment, Certificate of Competency and Certificate of Completion upon students who complete the necessary requirements. For a list of all Degree and Certificate Programs see the “Transfer, Degree and Certificate Programs” chart in this Catalog. See an academic counselor for further information. Grades earned in non-degree applicable courses (numbered 100-299) will not be used in calculating a student’s degree applicable grade point average.

Associate Degree

Las Positas College offers the Associate Degree. These degrees include Career Technical Education programs designed to prepare for direct job entry, Transfer Preparation programs designed to prepare students for transfer to a University in baccalaureate program, and Local programs designed to as a record of academic achievement. These consist of the Associate of Arts (AA) Degree and Associate of Science (AS) Degree. The AS Degree is primarily for any Science, Technology, Engineering, or Mathematics (STEM) field and Career Technical Education programs, and the AA Degree is primarily for all other disciplines. Students may also develop with a counselor an Individual Occupational Major which must be approved by the Dean of Student Services.

The Associate Degree is conferred upon those students who complete the required 60 or more semester units of the degree pattern with a

grade-point average of 2.0 or better, of which 12 units must be earned at Las Positas college including the final course, and meet the graduation requirements as set forth in the Las Positas College “General Education Pattern for Associate of Arts (AA) Degree” chart for an AA Degree or the “General Education Pattern for Associate of Science (AS) Degree” chart for an AS Degree. Within each AA and AS Degree, there is a required general education component. General Education courses are grouped into several broad areas and are designed to cultivate intellect and imagination and to broaden awareness of the relationship and interdependence of ideas and disciplines.

Associate Degree for Transfer (AD-T)

Las Positas College offers the Associate Degree for Transfer (AD-T) to the CSU. These consist of the Associate in Arts for Transfer (AA-T) Degree and Associate in Science for Transfer (AS-T) Degree. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. Students who are awarded an AA-T Degree or AS-T Degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or campuses. In addition to the guaranteed admission, students will be given a special GPA advantage. Students who have been awarded an AA-T or AS-T are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units. To view the most current list of Las Positas College Associate Degrees for Transfer and to find out which CSU campuses accept each degree, please go to www.sb1440.org. Current and prospective students are encouraged to meet with a Counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

The Associate Degree for Transfer is conferred upon those students



2019-2020 General Education Pattern for Associate of Arts (AA) Degree

- Courses may be listed in more than one area but will NOT be certified more than once, unless otherwise stated.
- For a course to meet an AA requirement, the course must be on the AA pattern during the academic year it is taken.

Language and Rationality English Composition Select 1 course; at least 3 units required • Complete with a grade of 'C' or higher or 'P'	Mathematics Proficiency in Mathematics may be met in one of the following ways:	GEOL 2 Historical Geology with Lab GEOL 5 Environmental Geology: Hazards & Disasters GEOL 7 Env. Geology: Resources, Use Impact & Pollution GEOL 12 Introduction to Oceanography GEOL 12L Intro to Oceanography Laboratory PHYS 1A General Physics I PHYS 2A Introduction to Physics I PHYS 10 Descriptive Physics PHYS 10L Descriptive Physics Lab PSYC 4 Brain, Mind and Behavior
Writing and Critical Thinking Select 1 course; at least 3 units required	1. Submit Documentation showing completion of Algebra 2 or Integrated Math 3 in High School with a 'C' or higher, an AP score of 3 or higher, an IB score of 4 or higher, or a CLEP score of 50 or higher.	
Communication and Analytical Thinking Select at least 1 course; at least 3 units required	2. Complete one of the mathematics courses listed below at Las Positas College (with a grade of "C" or higher or "P"). 3. Submit Documentation showing completion of one of the mathematics courses listed below (or equivalent) at another institution (with a grade of "C" or higher or "P").	
ENG 1A Critical Reading and Composition ENG 1AEX Critical Reading and Composition Expanded ENG 4 Critical Thinking and Writing About Literature ENG 7 Critical Thinking and Writing Across Disciplines SPAN 23 Introduction to Hispanic Literature THEA 53 Script Analysis	CS 17 Discrete Mathematical Structures MATH 1 Calculus I MATH 2 Calculus II MATH 3 Multivariable Calculus MATH 5 Ordinary Differential Equations MATH 7 Elementary Linear Algebra MATH 10 Discrete Mathematical Structures MATH 30 College Algebra for STEM MATH 33 Finite Mathematics MATH 34 Calculus for Business and Social Sciences MATH 39 Trigonometry MATH 40 Statistics and Probability MATH 47 Mathematics for Liberal Arts MATH 50 Intermediate Algebra for SLAM MATH 52B Technical Int. Algebra for Automotive Tech. B MATH 53B Technical Intermediate Algebra for Welding B MATH 55 Intermediate Algebra for BSTEM MATH 55B Intermediate Algebra for BSTEM B NMAT 250 Intermediate Algebra for SLAM NMAT 255 Intermediate Algebra for BSTEM	Humanities Select at least 1 course; at least 3 units required
ASL 1A American Sign Language I ASL 1B American Sign Language II BUSN 48 Human Relations in Organizations BUSN 52 Business Communications CIS 50 Intro to Computing Info Tech CMST 1 Fundamentals of Public Speaking CMST 2 Oral Interpretation of Literature CMST 4 Intro. to Communication Studies CMST 10 Interpersonal Communication CMST 46 Argumentation and Debate CMST 48 Activities in Forensics CS 1 Computing Fundamentals I CS 17 Discrete Mathematical Structures FREN 1A Beginning Spanish FREN 1B Elementary Italian ITLN 1A Beginning Italian ITLN 1B Elementary Italian MSCM 1 Introduction to Reporting & Newswriting MSCM 32A Introduction to Radio Production MATH 1 Calculus I MATH 2 Calculus II MATH 3 Multivariable Calculus MATH 5 Ordinary Differential Equations MATH 7 Elementary Linear Algebra MATH 10 Discrete Mathematical Structures MATH 30 College Algebra for STEM MATH 33 Finite Mathematics MATH 34 Calculus for Business and Social Sciences MATH 39 Trigonometry MATH 40 Statistics and Probability MATH 47 Mathematics for Liberal Arts MATH 50 Intermediate Algebra for SLAM MATH 52A Technical Int. Algebra for Auto. Technology A* MATH 52B Technical Int. Algebra for Auto. Technology B* MATH 53A Technical Intermediate Algebra for Welding A* MATH 53B Technical Intermediate Algebra for Welding B* MATH 55 Intermediate Algebra for BSTEM MATH 55A Intermediate Algebra for BSTEM A* MATH 55B Intermediate Algebra for BSTEM B* PHIL 6 Introduction to Logic PHIL 8 Logic and Argumentation SPAN 1A Beginning Spanish SPAN 1B Elementary Spanish SPAN 21 Spanish for Bilingual Spanish Speakers I SPAN 22 Spanish for Bilingual Spanish Speakers II SPAN 23 Introduction to Hispanic Literature THEA 3A Beginning Improvisation THEA 25 Fundamentals of Stage Speech * Students must take both the A and B to meet this area	Natural Sciences Select at least 1 course; at least 3 units required	ANTR 1 Biological Anthropology ANTR 13 Introduction to Forensic Anthropology ASTR 10 Introduction to Astronomy: The Solar System ASTR 20 Introduction to Astronomy: Stars and the Universe ASTR 30L Introduction to Astronomy Lab BIO 1A General Botany BIO 1B General Zoology BIO 1C Cell and Molecular Biology BIO 7A Human Anatomy BIO 7B Human Physiology BIO 7C Microbiology BIO 10 Intro. to the Science of Biology BIO 20 Contemporary Human Biology BIO 30 Introduction to College Biology BIO 40 Humans and the Environment BIO 50 Anatomy and Physiology BIO 60 Marine Biology CHEM 1A General College Chemistry I CHEM 30A Intro to Applied Chemistry I CHEM 31 Intro to College Chemistry EVST 5 Energy and Sustainability GEOG 1 Introduction to Physical Geography GEOG 1L Introduction to Physical Geography Laboratory GEOG 8 Introduction to Atmospheric Science GEOG 15 Introduction to GIS GEOL 1 Physical Geology GEOL 1L Physical Geology Laboratory



General Education Pattern for Associate of Arts (AA) Degree

<p>MUS 14 Jazz Workshop MUS 19 Studies in Music Composition MUS 20A Elementary Guitar MUS 21A Beginning Piano MUS 23A Elementary Voice I MUS 33 Study of Voice MUS 34 Music in Film MUS 37 Music Industry Career Development MUS 38 Applied Lessons MUS 44 Concert Choir MUS 45 Chamber Choir MUS 46A Beginning Jazz Choir MUS 46B Advanced Jazz Choir PHIL 1 God, Nature, Human Nature PHIL 1H Honors Philosophy 1: God, Nature, Human Nat. PHIL 2 Ethics PHIL 2H Honors Philosophy 2: Ethics PHIL 3 Aesthetics PHIL 4 Intro to Philosophy: Knowledge PHIL 5 Feminist Philosophy PHTO 67 History of Photography PHTO 70 Photoshop and Lightroom for Photographers* RELS 1 Religions of the World RELS 2 Bible: History and Literature RELS 3 Intro to Women's Spirituality RELS 11 The Nature of Islam SPAN 2A Intermediate Spanish I SPAN 21 Spanish for Bilingual Spanish Speakers I SPAN 22 Spanish for Bilingual Spanish Speakers II SPAN 23 Introduction to Hispanic Literature THEA 1A Theory/Practice of Acting I THEA 1B Theory/Practice of Acting II THEA 4 American Cultures in Theater THEA 5 Theater for Young Audiences THEA 10 Introduction to Dramatic Arts THEA 11 Stage to Screen THEA 12 Film As Art & Communication THEA 14 Bay Area Theatre WLDT 71 Welding for the Arts * GDDM 70 + PHTO 70 maximum credit 1 course</p>	<p>CMST 3 Group Communication ECE 15 Abnormal Child Psychology ECE 62 Child, Family and Community ECE 79 Teaching in a Diverse Society ECON 1 Principles of Microeconomics ECON 2 Principles of Macroeconomics ECON 5 Economic History of the United States ECON 10 General Economics GEOG 1 Introduction to Physical Geography GEOG 2 Cultural Geography GEOG 5 World Regional Geography GEOG 12 Geography of California GEOG 15 Introduction to GIS GS 1 Introduction to Global Studies GS 2 Global Issues HIST 14 History and American Cultures of California HIST 25 American Indian History HIST 28 History of the American West HIST 32 U.S. Women's History MSCM 5 Introduction to Mass Communications MSCM 31 Introduction to Media PCN 3 Theories & Concepts of Counseling: An Introduction PCN 5 Introduction to Social Work & Human Services PCN 13 Multicultural Issues in Contemporary America POLI 7 Introduction to American Government POLI 12 Intro. to California State and Local Government POLI 20 Comparative Government POLI 25 Introduction to Political Theory POLI 30 International Relations PSYC 1 General Psychology PSYC 3 Introduction to Social Psychology PSYC 4 Brain, Mind and Behavior PSYC 6 Abnormal Psychology PSYC 12 Life-span Psychology PSYC 13 Psychology of Women PSYC 15 Abnormal Child Psychology PSYC 17 The Psychology of Sleep and Dreams PSYC 21 Intro. to Cross-Cultural Psychology PSYC 25 Research Methods PSYC 27 Introduction to Cognitive Science SOC 1 Principles of Sociology SOC 3 Cultural and Racial Minorities SOC 4 Marriage and Family Relations SOC 5 Introduction to Global Studies SOC 6 Social Problems SOC 11 Sociology of Gender SOC 12 Popular Culture SOC 13 Research Methods WMST 1 Introduction to Women's Studies WMST 2 Global Perspective of Women</p>	<p>HLTH 7 Introduction to Public Health HLTH 11 Health and Social Justice KIN 22A Science of Soccer 1 KIN 30 Introduction to Kinesiology NUTR 1 Nutrition PSYC 10 Psychology of Human Sexuality</p>
<p>Social and Behavioral Sciences Select 1 course; at least 3 units required</p>	<p>AJ 50 Intro to Admin of Justice AJ 60 Criminal Law AJ 66 Juvenile Procedures ANTR 1 Biological Anthropology ANTR 2 Introduction to Archaeology ANTR 3 Cultural Anthropology ANTR 4 Language and Culture ANTR 5 Cultures of the U.S. in Global Perspective ANTR 6 Anthropology of Sex and Gender ANTR 7 Native American Cultures of North America ANTR 8 World Prehistory in Archaeological Perspective ANTR 12 Magic/Religion/Witchcraft/Healing ANTR 13 Introduction to Forensic Anthropology ANTR 14 Introduction to the Arch. History of Mesopo. BUSN 18 Business Law BUSN 20 International Business BUSN 30 Business Ethics and Society</p>	<p>Kinesiology Select at least 1 course • <i>Exemption from the Kinesiology requirement is allowed for illness or physical disability by filing a physician's statement at the Admissions & Records Office or for students who hold an AA/AS Degree or higher.</i></p>
	<p>Wellness Select 1 course in Health (3 units) and complete at least 1 unit in Kinesiology; at least 4 units required • <i>The entire Wellness area may be waived for Veterans with a DD214 - honorable discharge.</i></p>	<p>DANC 2A Jazz Dance Fundamentals/Beginning DANC 2B Jazz Dance Beginning/Intermediate DANC 3A Ballet Fundamentals/Beginning DANC 4A Modern/Contemporary Dance A DANC 4B Modern/Contemporary Dance B DANC 5A Dance Composition 5A DANC 5B Dance Composition 5B DANC 6A Dance Prod.-Choreography A DANC 6B Dance Prod.-Choreography B FST FSC1 Fire Service Con. & Phys. Agility Development 1 FST FSC2 Fire Service Con. & Phys. Agility Development 2 Any Kinesiology Intercol. Athletics Course (KIN 31A-65) Any Kinesiology Activity Course (KIN AAE-ZUM1)</p>
	<p>Health Select 1 course</p>	<p>American Institutions (AI) Select 1 course; at least 3 units required • <i>Partially satisfies CSU AI and USH requirement</i></p>
	<p>HLTH 1 Introduction to Personal Health HLTH 3 Women's Health</p>	<p>American Cultures Complete 1 course with a grade of 'C' or higher or 'P' • <i>Where appropriate, the course can simultaneously satisfy 1 other graduate or subject area requirement.</i></p>
<p>Graduation Requirements</p>		
<ol style="list-style-type: none"> 1. Select a major and complete all major requirements plus GE and electives to total 60 or more units. 2. Complete a minimum of 60 units with a cumulative grade point average of 2.0 or better. 3. Complete a minimum of 12 units at Las Positas College. 4. Complete all General Education (GE) Requirements for the Associate of Arts Degree. 5. All courses required for the Major must be completed with a 'C' or 'P' 		



2019-2020

General Education Pattern for Associate of Science (AS) Degree

- Courses may be listed in more than one area but will NOT be certified more than once, unless otherwise stated.
- For a course to meet an AA requirement, the course must be on the AA pattern during the academic year it is taken.

Language and Rationality English Composition Select 1 course; at least 3 units required • Complete with a grade of 'C' or higher or 'P'	higher, an IB score of 4 or higher, or a CLEP score of 50 or higher. 2. Complete one of the mathematics courses listed below at Las Positas College (with a grade of "C" or higher or "P"). 3. Submit Documentation showing completion of one of the mathematics courses listed below (or equivalent) at another institution (with a grade of "C" or higher or "P").	PHYS 2A Introduction to Physics I PHYS 10 Descriptive Physics PHYS 10L Descriptive Physics Lab PSYC 4 Brain, Mind and Behavior
Communication and Analytical Thinking Select at least 1 course; at least 3 units required	CS 17 Discrete Mathematical Structures MATH 1 Calculus I MATH 2 Calculus II MATH 3 Multivariable Calculus MATH 5 Ordinary Differential Equations MATH 7 Elementary Linear Algebra MATH 10 Discrete Mathematical Structures MATH 30 College Algebra for STEM MATH 33 Finite Mathematics MATH 34 Calculus for Business and Social Sciences MATH 39 Trigonometry MATH 40 Statistics and Probability MATH 47 Mathematics for Liberal Arts MATH 50 Intermediate Algebra for SLAM MATH 52B Technical Int. Algebra for Automotive Tech. B MATH 53B Technical Intermediate Algebra for Welding B MATH 55 Intermediate Algebra for BSTEM MATH 55B Intermediate Algebra for BSTEM B NMAT 250 Intermediate Algebra for SLAM NMAT 255 Intermediate Algebra for BSTEM	Humanities Select at least 1 course; at least 3 units required
ENG 1A Critical Reading and Composition ENG 1AEX Critical Reading and Composition Expanded	Natural Sciences Select at least 1 course; at least 3 units required	ANTR 14 Intro. to Archaeological History of Mesoamerica ASL 2A American Sign Language III ASL 2B American Sign Language IV ARHS 1 Introduction to Art History ARHS 2 Art of the Ancient Americas ARHS 4 Western Art History - Ancient to Medieval ARHS 5 Western Art History - Renaissance to Contemporary ARHS 7 Modern Art History ARHS 8 Asian Art History ARTS 2A Introduction to Drawing ARTS 10 Design and Materials ARTS 23 2-D Design CMST 2 Oral Interpretation of Literature CMST 5 Readers Theater CMST 11 Intercultural Communication ENG 11 Introduction to Creative Writing ENG 12A The Craft of Writing Fiction ENG 12B The Craft of Writing Fiction: Intermediate ENG 13A Introduction to the Craft of Writing - Poetry ENG 13B The Craft of Writing Poetry: Intermediate ENG 20 Studies in Shakespeare ENG 32 U.S. Women's Literature ENG 35 Modern American Literature ENG 41 Modern World Literature ENG 42 Literature of the African Diaspora in America ENG 44 Literature of the American West ENG 45 Studies in Fiction FREN 2A Intermediate French I GDDM 3 The History of Modern Design GDDM 70 Photoshop and Lightroom for Photographers* HIST 1 Western Civilization to 1600 HIST 2 Western Civilization since 1600 HIST 14 History and American Cultures of California HIST 25 American Indian History HIST 28 History of the American West HIST 32 U.S. Women's History HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 7 Contemporary Humanities HUMN 10 American Arts and Ideas HUMN 11 Culture and Arts I: Ancient World to Renaissance HUMN 12 Culture and the Arts II: The Modern World HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music MUS 1 Introduction to Music MUS 3 World Music MUS 4 Jazz in American Culture MUS 5 American Cultures in Music MUS 6 Basic Music Skills MUS 12 Wind Ensemble MUS 13 History of Rock & Roll MUS 14 Jazz Workshop MUS 19 Studies in Music Composition MUS 20A Elementary Guitar MUS 21A Beginning Piano MUS 23A Elementary Voice I MUS 33 Study of Voice
ASL 1A American Sign Language I ASL 1B American Sign Language II BUSN 48 Human Relations in Organizations BUSN 52 Business Communications CIS 50 Intro to Computing Info Tech CMST 1 Fundamentals of Public Speaking CMST 2 Oral Interpretation of Literature CMST 4 Intro. to Communication Studies CMST 10 Interpersonal Communication CMST 46 Argumentation and Debate CMST 48 Activities in Forensics CS 1 Computing Fundamentals I CS 17 Discrete Mathematical Structures FREN 1A Beginning Spanish FREN 1B Elementary Italian ITLN 1A Beginning Italian ITLN 1B Elementary Italian MSCM 1 Introduction to Reporting & Newswriting MSCM 32A Introduction to Radio Production MATH 1 Calculus I MATH 2 Calculus II MATH 3 Multivariable Calculus MATH 5 Ordinary Differential Equations MATH 7 Elementary Linear Algebra MATH 10 Discrete Mathematical Structures MATH 30 College Algebra for STEM MATH 33 Finite Mathematics MATH 34 Calculus for Business and Social Sciences MATH 39 Trigonometry MATH 40 Statistics and Probability MATH 47 Mathematics for Liberal Arts MATH 50 Intermediate Algebra for SLAM MATH 52A Technical Int. Algebra for Auto. Technology A* MATH 52B Technical Int. Algebra for Auto. Technology B* MATH 53A Technical Intermediate Algebra for Welding A* MATH 53B Technical Intermediate Algebra for Welding B* MATH 55 Intermediate Algebra for BSTEM MATH 55A Intermediate Algebra for BSTEM A* MATH 55B Intermediate Algebra for BSTEM B* PHIL 6 Introduction to Logic PHIL 8 Logic and Argumentation SPAN 1A Beginning Spanish SPAN 1B Elementary Spanish SPAN 21 Spanish for Bilingual Spanish Speakers I SPAN 22 Spanish for Bilingual Spanish Speakers II SPAN 23 Introduction to Hispanic Literature THEA 3A Beginning Improvisation THEA 25 Fundamentals of Stage Speech * Students must take both the A and B to meet this area	ANTR 1 Biological Anthropology ANTR 13 Introduction to Forensic Anthropology ASTR 10 Introduction to Astronomy: The Solar System ASTR 20 Introduction to Astronomy: Stars and the Universe ASTR 30L Introduction to Astronomy Lab BIO 1A General Botany BIO 1B General Zoology BIO 1C Cell and Molecular Biology BIO 7A Human Anatomy BIO 7B Human Physiology BIO 7C Microbiology BIO 10 Intro. to the Science of Biology BIO 20 Contemporary Human Biology BIO 30 Introduction to College Biology BIO 40 Humans and the Environment BIO 50 Anatomy and Physiology BIO 60 Marine Biology CHEM 1A General College Chemistry I CHEM 30A Intro to Applied Chemistry I CHEM 31 Intro to College Chemistry EVST 5 Energy and Sustainability GEOG 1 Introduction to Physical Geography GEOG 1L Introduction to Physical Geography Laboratory GEOG 8 Introduction to Atmospheric Science GEOG 15 Introduction to GIS GEOL 1 Physical Geology GEOL 1L Physical Geology Laboratory GEOL 2 Historical Geology with Lab GEOL 5 Environmental Geology: Hazards & Disasters GEOL 7 Env. Geology: Resources, Use Impact & Pollution GEOL 12 Introduction to Oceanography GEOL 12L Intro to Oceanography Laboratory PHYS 1A General Physics I	
Mathematics Proficiency in Mathematics may be met in one of the following ways: 1. Submit Documentation showing completion of Algebra 2 or Integrated Math 3 in High School with a 'C' or higher, an AP score of 3 or		



General Education Pattern for Associate of Science (AS) Degree

<p>MUS 34 Music in Film MUS 37 Music Industry Career Development MUS 38 Applied Lesson MUS 44 Concert Choir MUS 45 Chamber Choir MUS 46A Beginning Jazz Choir MUS 46B Advanced Jazz Choir PHIL 1 God, Nature, Human Nature PHIL 1H Honors Philosophy 1: God, Nature, Human Nat. PHIL 2 Ethics PHIL 2H Honors Philosophy 2: Ethics PHIL 3 Aesthetics PHIL 4 Intro to Philosophy: Knowledge PHIL 5 Feminist Philosophy PHTO 67 History of Photography PHTO 70 Photoshop and Lightroom for Photographers* RELS 1 Religions of the World RELS 2 Bible: History and Literature RELS 3 Intro to Women's Spirituality RELS 11 The Nature of Islam SPAN 2A Intermediate Spanish I SPAN 21 Spanish for Bilingual Spanish Speakers I SPAN 22 Spanish for Bilingual Spanish Speakers II SPAN 23 Introduction to Hispanic Literature THEA 1A Theory/Practice of Acting I THEA 1B Theory/Practice of Acting II THEA 4 American Cultures in Theater THEA 5 Theater for Young Audiences THEA 10 Introduction to Dramatic Arts THEA 11 Stage to Screen THEA 12 Film As Art & Communication THEA 14 Bay Area Theatre WLDT 71 Welding for the Arts * GDDM 70 + PHTO 70 maximum credit 1 course</p>	<p>ANTR 7 Native American Cultures of North America ANTR 8 World Prehistory in Archaeological Perspective ANTR 12 Magic/Religion/Witchcraft/Healing ANTR 13 Introduction to Forensic Anthropology ANTR 14 Introduction to the Arch. History of Mesopo. BUSN 18 Business Law BUSN 20 International Business BUSN 30 Business Ethics and Society CMST 3 Group Communication ECE 15 Abnormal Child Psychology ECE 62 Child, Family and Community ECE 79 Teaching in a Diverse Society ECON 1 Principles of Microeconomics ECON 2 Principles of Macroeconomics ECON 5 Economic History of the United States ECON 10 General Economics GEOG 1 Introduction to Physical Geography GEOG 2 Cultural Geography GEOG 5 World Regional Geography GEOG 12 Geography of California GEOG 15 Introduction to GIS GS 1 Introduction to Global Studies GS 2 Global Issues HIST 14 History and American Cultures of California HIST 25 American Indian History HIST 28 History of the American West HIST 32 U.S. Women's History MSCM 5 Introduction to Mass Communications MSCM 31 Introduction to Media PCN 3 Theories & Concepts of Counseling: An Introduction PCN 5 Introduction to Social Work & Human Services PCN 13 Multicultural Issues in Contemporary America POLI 7 Introduction to American Government POLI 12 Intro. to California State and Local Government POLI 20 Comparative Government POLI 25 Introduction to Political Theory POLI 30 International Relations PSYC 1 General Psychology PSYC 3 Introduction to Social Psychology PSYC 4 Brain, Mind and Behavior PSYC 6 Abnormal Psychology PSYC 12 Life-span Psychology PSYC 13 Psychology of Women PSYC 15 Abnormal Child Psychology PSYC 17 The Psychology of Sleep and Dreams PSYC 21 Intro. to Cross-Cultural Psychology PSYC 25 Research Methods PSYC 27 Introduction to Cognitive Science SOC 1 Principles of Sociology SOC 3 Cultural and Racial Minorities SOC 4 Marriage and Family Relations SOC 5 Introduction to Global Studies</p>	<p>SOC 6 Social Problems SOC 11 Sociology of Gender SOC 12 Popular Culture SOC 13 Research Methods WMST 1 Introduction to Women's Studies WMST 2 Global Perspective of Women</p> <p>Kinesiology Select at least 1 course; at least 1 unit required • <i>Exemption from the Kinesiology requirement is allowed for illness or physical disability by filing a physician's statement at the Admissions & Records Office or for students who hold an AA/AS Degree or higher.</i> • <i>The Kinesiology requirement may be waived for Veterans with a DD214 - honorable discharge.</i></p> <p>DANC 2A Jazz Dance Fundamentals/Beginning DANC 2B Jazz Dance Beginning/Intermediate DANC 3A Ballet Fundamentals/Beginning DANC 4A Modern/Contemporary Dance A DANC 4B Modern/Contemporary Dance B DANC 5A Dance Composition 5A DANC 5B Dance Composition 5B DANC 6A Dance Prod.-Choreography A DANC 6B Dance Prod.-Choreography B FST FSC1 Fire Service Con. & Phys. Agility Development 1 FST FSC2 Fire Service Con. & Phys. Agility Development 2 Any Kinesiology Intercol. Athletics Course (KIN 31A-65) Any Kinesiology Activity Course (KIN AAE-ZUM1)</p> <p>American Cultures Complete 1 course with a grade of 'C' or higher or 'P' • <i>Where appropriate, the course can simultaneously satisfy 1 other graduate or subject area requirement.</i></p> <p>ANTR 5 Cultures of the U.S. in Global Perspective ANTR 7 Native American Cultures of North America CMST 11 Intercultural Communication ENG 44 Literature of the American West ECE 79 Teaching in a Diverse Society HIST 14 History and American Cultures of California HIST 28 History of the American West HIST 32 U.S. Women's History HUMN 10 American Arts and Ideas MUS 3 World Music MUS 4 Jazz in American Culture MUS 5 American Cultures in Music MUS 13 History of Rock & Roll PCN 3 Theories & Concepts of Counseling: An Introduction PCN 13 Multicultural Issues in Contemporary America POLI 12 Intro. to California State and Local Government SOC 3 Cultural and Racial Minorities THEA 4 American Cultures in Theater WMST 1 Introduction to Women's Studies</p>
<p>Program-Based General Education Requirement At least 3 units required</p>		
<p>You will need 1 course to satisfy this area. The course is specific to each A.S. Degree Major; see the 2019-20 Catalog or the A.S. program coordinator.</p>		
<p>Social and Behavioral Sciences Select 1 course; at least 3 units required</p>		
<p>AJ 50 Intro to Admin of Justice AJ 60 Criminal Law AJ 66 Juvenile Procedures ANTR 1 Biological Anthropology ANTR 2 Introduction to Archaeology ANTR 3 Cultural Anthropology ANTR 4 Language and Culture ANTR 5 Cultures of the U.S. in Global Perspective ANTR 6 Anthropology of Sex and Gender</p>		

Graduation Requirements

1. Complete a minimum of 60 units with a cumulative grade point average of 2.0 or better.
2. Complete a minimum of 12 units at Las Positas College.
3. Complete all General Education (GE) Requirements for the Associate of Science Degree.
4. Select a major and complete all major requirements plus GE and electives to total 60 units.
5. All courses required for the Major must be completed with a 'C' or 'P'.



2019-2020 Degrees and Certificates

- Associate of Arts (AA)
- Associate of Science (AS)
- Associate in Arts for Transfer (AAT)
- Associate in Science for Transfer (AST)

- CA Certificate of Achievement
- CP Certificate of Competency - noncredit
- CL Certificate of Completion - noncredit
- § Certificate of Accomplishment - not transcribed

* Career Technical Education (CTE) - occupational programs designed for job entry; some courses are transferable to 4-year institutions

Administration of Justice			
Administration of Justice*	AA	AS-T	
Law Enforcement*			CA
Anthropology			
Anthropology		AA-T	
Art			
Art: Emphasis in Painting	AA		
Studio Arts		AA-T	
Art History			
Art History		AA-T	
Automotive Technology			
Automotive Electronics Technology*	AS		
Automotive Chassis*			CA
Automotive Drivability*			CA
Biology			
Biology	AA	AS-T	
Biology: Allied Health	AA		
Computational Biology	AA		CA
Business			
Accounting Technician*			CA
Administrative Assistant*	AA		CA
Bookkeeping*			§
Business*	AS		
Business Administration*	AA	AS-T	
Business Entrepreneurship*	AA		CA
Business Workforce Proficiency*			§
Retail Management (WAFC)*			CA
Supervisory Management*			CA
Chemistry			
Chemistry	AS		
Chemistry Education	AS		
Communication Studies			
Communication Studies		AA-T	
Computer Information Systems			
Administrative Medical Assistant*			CA
Computer Applications Software*			CA
Computer Information Systems*	AA		
Computer Information Technologist*	AS		

Project Management*			§
Web Development*			§
Computer Networking Technology			
Cisco Network Associate*			CA
Computer Desktop OS Security*			CA
Computer Network Technician*			CA
CyberSecurity*			CA
Digital Forensics Examiner*			CA
IT Support Professional*			CA
Microsoft Systems Administrator*			CA
Network Security and Administration*	AS		
Computer Science			
Computer Programming*			CA
Computer Programming for the Web*			CA
Computer Science	AS		
Early Care and Education			
Associate Teacher*			CA
Child and Adolescent Development		AA-T	
Early Childhood Development*	AA		CA
Early Childhood Education*		AS-T	
Early Childhood Intervention*	AA		
Early Childhood Intervention Assistant*			CA
Economics			
Economics		AA-T	
Emergency Medical Services			
Emergency Medical Technologies*			CA
Emergency Medical Services EMT-Paramedic*	AS		CA
Emergency Medical Responder*			§
Engineering Technology			
Engineering Technology*	AS		
English			
Creative Writing			CA
English	AA	AA-T	
English as a Second Language			
ESL College Grammar Pathway			CP
ESL College Reading and Writing Pathway			CP
Environmental Science			
Environmental Science	AS		



Environmental Studies			
Environmental Studies	AA		
Fire Service Technology			
Fire Academy - Fire Suppression*			CA
Fire Prevention*			CA
Fire Service Technology*	AS		CA
Geography			
Geography		AA-T	
Geology			
Geology		AS-T	CA
Geology Major			CA
Global Studies			
Global Studies		AA-T	
Graphic Arts & Digital Media			
Digital Illustration*			CA
Graphic Design*	AA		CA
Print Design*			CA
Web & Interaction Design*			CA
Health			
Public Health Science		AS-T	
History			
History		AA-T	
Horticulture			
Horticulture*	AS		CL
Landscape Design*			CA
Landscape Maintenance and Construction*			CA
Nursery, Greenhouse, and Grower Operations*			CA
Ornamental Horticulture*			CA
Humanities			
Humanities	AA		CA
Interior Design			
Interior Design	AS		CA
Kinesiology			
Athletic Training/Sports Medicine*			CA
Fitness Trainer*			CA
Kinesiology		AA-T	
Liberal Arts and Sciences			
Arts and Humanities	AA		
Business	AA		
Computer Studies	AA		
Language Arts and Communication	AA		
Mathematics and Science	AA		

2019-2020
Degrees and Certificates

Social and Behavioral Sciences	AA		
Marketing			
Marketing*	AA		
Retailing*			CA
Mass Communications			
Journalism		AA-T	
Mass Communications*	AA		
Mass Communications: Journalism*			CA
Mass Communications: Radio Communications*			§
Mathematics			
College Mathematics Pathway			CP
College Mathematics Support			CP
Foundational Mathematics Pathway			CP
Foundational Mathematics Support			CP
Math Jam for College Mathematics			CP
Math Jam for Foundational Mathematics			CP
Math Jam Tutor Pathway			CL
Mathematics		AS-T	
Music			
Commercial Music: Music Business*			CA
Commercial Music: Music Technology Fundamentals*			CA
Commercial Music: Teaching Beginning Piano*			CA
Commercial Music: Teaching Intermediate Piano*			CA
Commercial Music: Scoring for Film and Multimedia*			CA
Jazz Studies			CA
Music	AA	AA-T	
Nutrition			
Nutrition and Dietetics		AS-T	
Occupational Safety and Health			
Occupational Safety and Health*	AS		CA
Occupational Safety*			§
Philosophy			
Philosophy		AA-T	
Photography			
Photography*	AA		CA
Physics			
Physics	AS		
Political Science			
Political Science		AA-T	
Psychology			
Psychology		AA-T	
Psychology-Counseling			



2019-2020 Degrees and Certificates

Social Work and Human Services		AA-T	
Sociology			
Sociology		AA-T	
Theater Arts			
Technical Theater*			CA
Theater Arts	AA	AA-T	
University Transfer			
CSU General Education Breadth			CA

IGETC (Intersegmental General Education Curriculum)			CA
Viticulture & Winery Technology			
Enology*	AS		CA
Viticulture*	AS		CA
Wine Hospitality*			CA
Welding Technology			
Welding Technology*	AS		CA

If you have any questions regarding programs of study, please be sure to see a counselor.

who complete the 60 semester units of the degree pattern that are eligible for transfer to the California State University with a grade-point average of 2.0 or better of which 12 units must be earned at Las Positas college including the final course. Within each AD-T Degree, there is a required general education component (see the Intersegmental General Education Transfer Curriculum (IGETC) and California State University General Education Breadth (CSU GE-B) charts in this Catalog). To earn an AD-T, a student is required to complete either the CSU GE-B Pattern, or the IGETC (for CSU) Pattern. In some special cases the IGETC for STEM (for CSU) or the CSU GE-B for STEM Pattern may be required instead. AD-Ts also require the students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not acceptable grade for courses in the major.

Certificate of Achievement

Las Positas College offers the Certificate of Achievement. These certificates include Career Technical Education programs designed to prepare for direct job entry, Transfer Preparation programs designed to prepare students for transfer to a University in baccalaureate program, and Local programs designed to as a record of academic achievement. Students may also develop an Individual Occupational Major with a counselor, for approval by the Dean of Student Services.

The Certificate of Achievement conferred upon those students who successfully complete the required courses for the certificate with a grade point average of 2.0 or higher and complete at least (80%) of the required program at Las Positas College (or Chabot College), including the last 3 units.

Certificate of Accomplishment

Las Positas College offers the Certificate of Accomplishment. The courses of study within these certificates includes Career Technical Education programs designed to prepare for direct job entry and Local programs designed to as a record of academic achievement. Individual courses will appear on a student's transcript. The name of the certificate and completion of industry-based professional development will also be noted.

The Certificate of Accomplishment is awarded those students who successfully complete the required courses for the certificate with a grade point average of 2.0 or higher and completes at least 50% of the required program at Las Positas College, including the final course.

Certificate of Competency

A Certificate of Competency is a noncredit certificate intended for students who do not need credit for transfer or for employment but wish to improve their basic skills in English or Mathematics or learn English as a second language.

The Certificate of Competency is awarded those students who successfully complete the required courses for the certificate.

Certificate of Completion

A Certificate of Completion is a noncredit certificate intended for students who do not need credit for transfer but who wish to obtain the knowledge and preparation of skills needed for entry level positions in the workforce or obtain short-term vocational skills needed for immediate employment.

The Certificate of Completion is awarded those students who successfully complete the required courses for the certificate.

General Education Reciprocity Program with Community Colleges

The Chabot-Las Positas Community College District has entered into a mutual agreement with eight other local community colleges to accept the General Education and graduation proficiency of these colleges as completed for Chabot College and Las Positas College. The other participating colleges are:

DeAnza College (Cupertino), Evergreen Valley College (San Jose), Foothill College (Los Altos Hills), Gavilan College (Gilroy), Mission College (Santa Clara), Ohlone College (Fremont), San Jose City College (San Jose), and West Valley College (Saratoga).

Effective fall 2007, students who obtain an official General Education Reciprocity Program Certification (which verifies completion of Associate Degree General Education and graduation proficiency) or complete an associate degree at any one of the participating colleges will have both their General Education course work and graduation proficiency accepted as completing Chabot College's and Las Positas College's General Education and graduation proficiency for the Associate of Arts and/or the Associate of Science Degree.

No additional general education course work will be required if the certification is officially presented. Students will still be required to complete all courses and prerequisites needed for a major. The

agreement also means that the other participating colleges will accept the General Education and graduation proficiency pattern of Chabot College and Las Positas College if an official General Education Reciprocity Program Certification is presented at any of the member colleges. Students must request certification in the Counseling Department. This agreement is reviewed periodically.

Petition to Graduate

At least one semester before the scheduled graduation ceremony, students should schedule an appointment with a counselor to check their progress in fulfilling the graduation requirements and arrange to complete the appropriate application for graduation. Official transcripts from other colleges must be submitted to the Admissions and Records Office, for coursework to be considered in meeting graduation requirements at Las Positas College. For graduation purposes only, total attempted and completed units transferred from other colleges will be included in determining a student's overall cumulative grade-point average (GPA).

Students may receive degrees or certificates at the end of any semester or the end of summer session. Students should petition no later than the tenth instructional week of the semester in which they plan to complete the requirements. Deadline dates are listed in the College Calendar (printed in the Class Schedule). "Request for Degree or Certificate" forms are available at the Admissions and Records Office or on the Las Positas College website.

Commencement Exercises are held in late May or early June. All students receiving degrees and/or certificates are cordially invited to participate.

TRANSFER TO A BACCALAUREATE COLLEGE OR UNIVERSITY

Las Positas College provides the equivalent to the first and second years of a four-year college or university program. Students intending to transfer to baccalaureate colleges and universities may complete their lower division general education requirements and major field preparatory courses at Las Positas College. The Counseling Department and the Transfer Center can provide the most up-to-date transfer information, in addition to individual counseling appointments.

Students are advised to meet early and regularly with a counselor to ensure a smooth transition to the transfer institution. Counselors work with students to develop Student Educational Plans (SEPs) that map out the courses needed for successful transfer.

Transfer Preparation

The main components of a typical transfer plan are listed below:

1. General Education Requirements

To earn a bachelor's degree from the University of California (UC) or the California State University (CSU), students must complete a program of general education. The pattern for the CSU system is called CSU General Education Breadth Requirements. The Intersegmental General Education Transfer Curriculum (IGETC) is a pattern valid for both the UC and CSU systems. Some high-unit majors and certain UC campuses may have different requirements – consult a counselor for details.

2. Lower-Division Major Requirements

Students should take specific lower-division courses required for their chosen majors (also called major preparatory courses). Impacted or selective majors (those that are competitive for admission) may require all or most major preparatory courses to be complete before transfer. ASSIST* (www.assist.org) lists the articulation agreements of these major preparatory courses for the UC and CSU campuses. The lower-division major requirements may differ depending on the institution; therefore, it is important for students to review the agreements for each university considered. *See ASSIST information that follows below.

3. Electives

Electives are additional transferable courses completed in order to meet the total number of units required to transfer.

Transferability of Courses

Students may transfer a maximum of 70 community college semester units to most California public four-year colleges or universities. Courses in excess of 70 units may still be used to meet transfer requirements. Many baccalaureate level courses offered at Las Positas College have been articulated with the University of California (UC), California State University (CSU), and a number of private institutions. ASSIST.org provides the most up-to-date lists of transferable courses. Students should visit www.assist.org at the beginning of each academic year to obtain updated information.

Course Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID – number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. However, students should always go to www.assist.org to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Students may consult the C-ID database at www.c-id.net for specific information on C-ID course designations. Counselors can always help students interpret or explain this information.

ASSIST

ASSIST (www.assist.org) is the official repository of articulation information for California public postsecondary educational institutions. ASSIST includes reports of how course credits earned at a California Community College may be applied when transferring to a public California university. Students are advised to meet with a counselor to learn how to use the information posted on ASSIST.

Guaranteed Transfer Programs

Las Positas College provides transfer students with a variety of opportunities to participate in guaranteed transfer programs. Currently, there are programs that guarantee transfer to at least 55 colleges and universities. The University of California system has a Transfer Admission Guarantee (TAG) program at 6 of its campuses. The California State University system has an Associate Degree for Transfer (ADT) program that guarantees students admission to its campuses, based on major and impactation status. LPC students may be guaranteed admission to 8 CSU campuses. Numerous independent and in/out-state-colleges, and universities also have Transfer Admissions Agreements (TAA) with Las Positas College.

UC Transfer Admission Guarantee (TAG)

A Transfer Admission Guarantee (TAG) is a contract that guarantees admission to a participating campus of the University of California. Students must request a TAG during the month of September prior to applying for transfer for the following Fall term. For example, a student requesting guaranteed transfer for Fall 2018 must submit a UC TAG request during September 2017. Students must also apply for admission to the university during the following November. Campuses participating in the UC TAG program include: UC Davis, UC Merced, UC Irvine, UC Riverside, UC Santa Barbara, and UC Santa Cruz.

CSU Associate Degree for Transfer (AD-T)

Las Positas is now offering associate degrees for transfer (AD-T) to the CSU system. These may include Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T) Degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T Degree are guaranteed admission with junior standing somewhere in the CSU system and are given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or campuses. Students who have been awarded an AA-T or AS-T Degree are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units. For more information, see Associate Degree for Transfer under Programs of study on page 42.

Colleges and Universities with Transfer Admission Agreements

Additional transfer guarantee programs are available with Saint Mary's College, Santa Clara University, John F. Kennedy University,

and the University of the Pacific. Las Positas College students also have opportunities for guaranteed admission programs with Arizona State University and the University of Arizona. All California Community College students also can participate in the Transfer Admission Guarantee program with select Historically Black Colleges and Universities (HBCUs). Students who complete certain academic requirements are guaranteed transfer to any of the participating HBCUs. For more information about this unique opportunity, please visit www.cccco.edu/HBCUTransfer

Current and prospective community college students are encouraged to meet with a counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

California State University (CSU)

Admission Requirements for Transfer to CSU

To be minimally eligible for junior-level transfer to a CSU campus, students must:

- Complete 60 CSU transferable units;
- Earn a college grade point average of 2.0 or better in all transferable courses;
- Be in good standing at the last college or university attended;
- Complete at least 30 semester units of general education requirements, with grades of "C" or better. The 30 units must include all of the general education requirements in communication in the English language (English composition, oral communication, and critical thinking) and at least one course of at least 3 semester units in transferable mathematics. (See the "Las Positas College General Education Pattern" charts in this Catalog for more information.)

Note: Some competitive campuses and/or majors have additional requirements. Consult a counselor for details.

Some CSU campuses may consider students who have completed fewer than 60 units if they meet the following requirements:

- Earn a grade point average of 2.0 or better in all transferable college units completed;
- Are in good standing at the last college or university attended;
- Meet the admission requirements for a first-time freshman or have successfully completed necessary courses to make up high school deficiencies and;
- Meet the eligibility index required of a freshman.

CSU General Education Requirements

Las Positas College offers two general education patterns which enable students to meet all of the lower-division general education requirements.

Students may complete one of the following patterns:

- Intersegmental General Education Transfer Curriculum (IGETC). See the "Intersegmental General Education Transfer

- All Las Positas College courses are Baccalaureate level and transfer to a California State University unless listed below

Basic Skills		
ENG 100A Integrated Reading and Writing I	MATH 66 Math Jam for Calculus	NESL 220B High-Intermediate Grammar for Reading and Writing
ENG 100R Reading and Writing Center Lab	MATH 66C Concurrent Support for Calculus I, II, III	NESL 221A Intermediate Reading and Writing
ENG 104 Integrated Reading and Writing II	MATH 72A Technical Elementary Algebra A	NESL 221B High-Intermediate Reading and Writing
ENG 104W Integrated Reading and Writing Workshop	MATH 72B Technical Elementary Algebra B	NESL 230A Beginning Grammar for Reading and Writing
ESL 120A Intermediate Grammar for Reading and Writing	MATH 72C Technical Elementary Algebra C	NESL 230B High-Beginning Grammar for Reading and Writing
ESL 120B High-Intermediate Grammar for Reading and Writing	MATH 72D Technical Elementary Algebra D	NESL 231A Beginning Reading and Writing
ESL 121A Intermediate Reading and Writing	MATH 100C Concurrent Support for SLAM Mathematics	NESL 231B High-Beginning Reading and Writing
ESL 121B High-Intermediate Reading and Writing	MATH 101C Concurrent Support for BSTEM Mathematics	NHRT 201 Fundamentals of Horticulture
ESL 123 Intermediate Oral Communication	MATH 107 Pre-Algebra	NHRT 202 Landscape and Garden Maintenance
ESL 126 Intermediate Pronunciation and Fluency	MATH 107A Pre-Algebra A	NHRT 203 Nursery and Garden Center Practices
ESL 230A Beginning Grammar for Reading and Writing	MATH 107B Pre-Algebra B	NHRT 204 Landscape and Garden Planning
ESL 130B High-Beginning Grammar for Reading and Writing	MATH 107E Pre-Algebra A Co-Requisite Support	NMAT 200C Concurrent Support for SLAM Mathematics
ESL 131A Beginning Reading and Writing	MATH 107F Pre-Algebra B Co-Requisite Support	NMAT 201C Concurrent Support for BSTEM Mathematics
ESL 131B High-Beginning Reading and Writing	MATH 110 Elementary Algebra	NMAT 202C Just in Time Concurrent Support for Mathematics
ESL 133 Beginning Oral Communication	MATH 110A Elementary Algebra A	NMAT 207 Pre-Algebra
ESL 136 Pronunciation and Fluency	MATH 110B Elementary Algebra B	NMAT 210 Elementary Algebra
ENG 104 Integrated Reading and Writing II	MATH 110C Concurrent Support for Elementary Algebra	NMAT 210C Concurrent Support for Elementary Algebra
MATH 50 Intermediate Algebra for SLAM	MATH 110E Intermediate Algebra A Corequisite Support	NMAT 250 Intermediate Algebra for SLAM
MATH 51 Algebra Bridge	MATH 110F Elementary Algebra B Corequisite Support	NMAT 255 Intermediate Algebra for BSTEM Intermediate Algebra
MATH 52A Technical Intermediate Algebra for Automotive Technology A	Career Technical Education	NMAT 260A Math Jam Introduction to Tutoring
MATH 52B Technical Intermediate Algebra for Automotive Technology B	AJ 9988 Academy Orientation	NMAT 260B Math Jam for Tutors
MATH 53A Technical Intermediate Algebra for Welding A	CIS 42 CyberSecurity Competition Prep	NMAT 261 Math Jam for Prealgebra Preparation
MATH 53B Technical Intermediate Algebra for Welding B	CIS 71 Computer Typing	NMAT 262 Math Jam for Elementary Algebra Preparation
MATH 55 Intermediate Algebra for BSTEM	CIS 71A Keyboarding (The Alphabet)	NMAT 263 Math Jam for Intermediate Algebra Preparation
MATH 55A Intermediate Algebra for STEM A	CIS 71B Keyboard (Numbers and Symbols)	NMAT 264 Math Jam for SLAM Preparation
MATH 55B Intermediate Algebra for STEM B	CIS 71C Skills Improvement	NMAT 265 Math Jam for BSTEM Preparation
MATH 55C Concurrent Support for Intermediate Algebra	CIS 73A Ten-Key Skill Development	NTUT 200 Supervised Tutoring
MATH 55E Intermediate Algebra A Corequisite Support	CIS 75 Office Technology/Communications	
MATH 55F Intermediate Algebra B Corequisite Support	Noncredit	
	NCIS 201 Cybersecurity Camp	
	NCIS 202 Cybersecurity Competition Prep	
	NENG 204 Integrated Reading and Writing II	
	NESL 220A Intermediate Grammar for Reading and Writing	
	NESL 220B High-Intermediate Grammar for Reading and Writing	

If you have any questions regarding CSU transfer, please be sure to see a counselor.



2019-2020

California State University General Education-Breadth (CSU GE-B)

- Courses may be listed in more than one area but will NOT be certified more than once, unless stated otherwise.
- For a course to meet a CSU GE-B requirement, the course must be on the CSU GE-B pattern during the academic year it is taken.

Area A: English Language Communication and Critical Thinking Select 3 courses, 1 from 1A, 1B and 1C; at least 9 units required <i>• All courses must be completed with a grade of 'C' or better.</i>	BIO 10 Intro. to the Science of Biology ^L BIO 20 Contemporary Human Biology BIO 30 Introduction to College Biology ^L BIO 40 Humans and the Environment BIO 50 Anatomy and Physiology ^L BIO 60 Marine Biology ^L BIO 70 Field Biology PSYC 4 Brain, Mind and Behavior	THEA 11 Stage to Screen THEA 12 Film As Art & Communication THEA 14 Bay Area Theatre THEA 25 Fundamentals of Stage Speech THEA 51 Introduction to Costume Design WLDT 71 Welding for the Arts	AJ 56 Fund. of Crime and Delinquency (F15) AJ 60 Criminal Law (F12) AJ 88 The Police and Hollywood AJ 66 Juvenile Procedures (F15) ANTR 8 The Police and Hollywood ANTR 1 Biological Anthropology ANTR 2 Introduction to Archaeology ANTR 3 Cultural Anthropology ANTR 4 Language and Culture ANTR 5 Cultures of the U.S. in Global Pers. ANTR 6 Anthropology of Sex and Gender ANTR 7 Native Am. Cultures of N. Am. ANTR 8 World Prehistory in Arch. Pers. ANTR 12 Magic/Rel./Witchcraft/Healing CMST 4 Intro. to Communication Studies CMST 10 Interpersonal Communication (F16) CMST 11 Intercultural Communication (F12) ECE 15 Abnormal Child Psychology* (F16) ECE 56 Child Growth and Development ECE 62 Child, Family and Community ECE 79 Teaching in a Diverse Society ECON 1 Principles of Microeconomics ECON 2 Principles of Macroeconomics ECON 5 Economic History of the U. S. ECON 10 General Economics ENG 44 Literature of the American West GEOG 2 Cultural Geography GEOG 5 World Regional Geography GEOG 12 Geography of California (F16) GEOG 15 Introduction to GIS GS 1 Introduction to Global Studies** GS 2 Global Issues HLTH 3 Women's Health (F15) HLTH 7 Introduction to Public Health HLTH 11 Health and Social Justice HIST 1 Western Civilization to 1600 HIST 2 Western Civilization since 1600 HIST 7 US History Through Reconstruction HIST 8 US History Post-Reconstruction HIST 14 History and Am. Cult. of Calif. (F15) HIST 25 American Indian History (F16) HIST 32 U.S. Women's History (F16) HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 7 Contemporary Humanities (F16) HUMN 10 American Arts and Ideas HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music MUS 34 Music in Film PHIL 1 God, Nature, Human Nature PHIL 1H Honors Philosophy 1: God, Nature, Human Nature PHIL 2 Ethics PHIL 2H Honors Philosophy 2: Ethics PHIL 3 Aesthetics PHIL 4 Intro to Philosophy: Knowledge PHIL 5 Feminist Philosophy RELS 1 Religions of the World RELS 2 Bible: History and Literature RELS 3 Intro to Women's Spirituality RELS 11 The Nature of Islam SPAN 2A Intermediate Spanish I SPAN 2B Intermediate Spanish II SPAN 22 Spanish for Bilingual Spanish Speakers II
A1: Oral Communication Select 1 course CMST 1 Fundamentals of Public Speaking CMST 10 Interpersonal Communication (F16) CMST 46 Argumentation and Debate	B3: Laboratory Activity Select 1 course from below or from B1 or B2 marked with ^L ANTR 1L Biological Anthropology Lab ANTR 2L Archaeology Field Lab ASTR 30L Introduction to Astronomy Lab GEOG 1L Intro. to Physical Geography Lab. GEOL 1L Physical Geography Laboratory GEOL 12L Intro to Oceanography Lab. PHYS 10L Descriptive Physics Lab	C2: Humanities Select at least 1 course AJ 88 The Police and Hollywood ASL 2A American Sign Language III ASL 2B American Sign Language IV CMST 2 Oral Interpretation of Literature CMST 5 Readers Theater ECE 61 Literature for the Young Child (F16) ENG 4 Crit. Thinking & Wri. About Lit. (F16) ENG 7 Crit. Think. & Wri. Across Disc. (F16) ENG 11 Introduction to Creative Writing ENG 12A The Craft of Writing Fiction ENG 12B The Craft of Writing Fiction: Inter. ENG 13A Intro. to the Craft of Wri. - Poetry ENG 20 Studies in Shakespeare ENG 32 U.S. Women's Literature ENG 35 Modern American Literature ENG 41 Modern World Literature ENG 44 Literature of the American West ENG 45 Studies in Fiction FREN 2A Intermediate French I FREN 2B Intermediate French II HIST 1 Western Civilization to 1600 (F15) HIST 2 Western Civilization since 1600 (F15) HIST 7 US History Through Reconst. (F15) HIST 8 US History Post-Reconstruction (F15) HIST 14 History and Am. Cult. of Calif. (F15) HIST 25 American Indian History (F16) HIST 32 U.S. Women's History (F16) HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 7 Contemporary Humanities (F16) HUMN 10 American Arts and Ideas HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music MUS 34 Music in Film PHIL 1 God, Nature, Human Nature PHIL 1H Honors Philosophy 1: God, Nature, Human Nature PHIL 2 Ethics PHIL 2H Honors Philosophy 2: Ethics PHIL 3 Aesthetics PHIL 4 Intro to Philosophy: Knowledge PHIL 5 Feminist Philosophy RELS 1 Religions of the World RELS 2 Bible: History and Literature RELS 3 Intro to Women's Spirituality RELS 11 The Nature of Islam SPAN 2A Intermediate Spanish I SPAN 2B Intermediate Spanish II SPAN 22 Spanish for Bilingual Spanish Speakers II	AJ 56 Fund. of Crime and Delinquency (F15) AJ 60 Criminal Law (F12) AJ 88 The Police and Hollywood AJ 66 Juvenile Procedures (F15) ANTR 8 The Police and Hollywood ANTR 1 Biological Anthropology ANTR 2 Introduction to Archaeology ANTR 3 Cultural Anthropology ANTR 4 Language and Culture ANTR 5 Cultures of the U.S. in Global Pers. ANTR 6 Anthropology of Sex and Gender ANTR 7 Native Am. Cultures of N. Am. ANTR 8 World Prehistory in Arch. Pers. ANTR 12 Magic/Rel./Witchcraft/Healing CMST 4 Intro. to Communication Studies CMST 10 Interpersonal Communication (F16) CMST 11 Intercultural Communication (F12) ECE 15 Abnormal Child Psychology* (F16) ECE 56 Child Growth and Development ECE 62 Child, Family and Community ECE 79 Teaching in a Diverse Society ECON 1 Principles of Microeconomics ECON 2 Principles of Macroeconomics ECON 5 Economic History of the U. S. ECON 10 General Economics ENG 44 Literature of the American West GEOG 2 Cultural Geography GEOG 5 World Regional Geography GEOG 12 Geography of California (F16) GEOG 15 Introduction to GIS GS 1 Introduction to Global Studies** GS 2 Global Issues HLTH 3 Women's Health (F15) HLTH 7 Introduction to Public Health HLTH 11 Health and Social Justice HIST 1 Western Civilization to 1600 HIST 2 Western Civilization since 1600 HIST 7 US History Through Reconstruction HIST 8 US History Post-Reconstruction HIST 14 History and Am. Cultures of Calif. HIST 25 American Indian History HIST 28 History of the American West HIST 32 U.S. Women's History MKTG 50 Introduction to Marketing MSCM 5 Intro. to Mass Communications*** MSCM 31 Introduction to Media*** PCN 3 Theories & Con. of Coun. An Intro. PCN 13 Multicultural Issues in Cont. Am. POLI 7 Intro. to American Government POLI 12 Intro. to Ca. State and Local Gov. POLI 20 Comparative Government POLI 25 Introduction to Political Theory POLI 30 International Relations PSYC 1 General Psychology PSYC 3 Introduction to Social Psychology PSYC 4 Brain, Mind and Behavior PSYC 6 Abnormal Psychology PSYC 12 Life-span Psychology PSYC 13 Psychology of Women PSYC 15 Abnormal Child Psychology* (F16) PSYC 21 Intro. to Cross-Cultural Psychology PSYC 25 Research Methods PSYC 27 Introduction to Cognitive Science SOC 1 Principles of Sociology SOC 3 Cultural and Racial Minorities SOC 4 Marriage and Family Relations
A2: Written Communication ENG 1A Critical Reading and Composition	B4: Mathematics/Quantitative Reasoning Select 1 course <i>• Must be completed with a grade of 'C' or better.</i>	C1: Arts Select at least 1 course ARHS 1 Introduction to Art History ARHS 4 Western Art Hist. - Ancient to Med. ARHS 5 Western Art Hist. - Ren. to Cont. ARHS 7 Modern Art History ARTS 2A Introduction to Drawing ARTS 3A Figure and Composition I ARTS 10 Design and Materials GDDM 3 The History of Modern Design HUMN 4 Global Cinemas MUS 1 Introduction to Music MUS 3 World Music MUS 4 Jazz in American Culture MUS 5 American Cultures in Music MUS 6 Basic Music Skills MUS 8A Music Theory and Musicianship 1 MUS 8B Music Theory and Musicianship 2 MUS 13 History of Rock & Roll MUS 34 Music in Film PHTO 67 History of Photography THEA 1A Theory/Practice of Acting I THEA 4 American Cultures in the Theater THEA 10 Introduction to Dramatic Arts	CS 17 Discrete Mathematical Structures MATH 1 Calculus I MATH 2 Calculus II MATH 3 Multivariable Calculus MATH 5 Ordinary Differential Equations MATH 7 Elementary Linear Algebra MATH 10 Discrete Mathematical Structures MATH 30 College Algebra for STEM MATH 33 Finite Mathematics MATH 34 Calc. for Bus. and Social Sciences MATH 39 Trigonometry MATH 40 Statistics and Probability MATH 47 Mathematics for Liberal Arts
A3: Critical Thinking Select 1 course CMST 46 Argumentation and Debate ENG 4 Crit. Thinking and Writ. About Lit. ENG 7 Crit. Thinking and Writ. Across Disc. PHIL 6 Introduction to Logic PHIL 8 Logic and Argumentation	Area C: Arts and Humanities Select 3 courses, 1 course from Arts, 1 course from Humanities, and 1 course from either area; at least 9 units required	Area D: Social and Behavioral Sciences Select 3 courses, from at least 2 different disciplines; at least 9 units required AJ 50 Intro to Admin of Justice (F12)	CS 17 Discrete Mathematical Structures MATH 1 Calculus I MATH 2 Calculus II MATH 3 Multivariable Calculus MATH 5 Ordinary Differential Equations MATH 7 Elementary Linear Algebra MATH 10 Discrete Mathematical Structures MATH 30 College Algebra for STEM MATH 33 Finite Mathematics MATH 34 Calc. for Bus. and Social Sciences MATH 39 Trigonometry MATH 40 Statistics and Probability MATH 47 Mathematics for Liberal Arts
Area B: Scientific Inquiry and Quantitative Reasoning Select 1 Physical Science course, 1 Life Science course, 1 course with a Lab, and 1 Mathematics/Quantitative Reasoning course; at least 9 units required	B1: Physical Science Select 1 course ASTR 10 Intro. to Ast.: The Solar System ASTR 20 Intro. to Ast.: Stars and the Uni. CHEM 1A General College Chemistry I ^L CHEM 1B General College Chemistry II ^L CHEM 12A Organic Chemistry I ^L CHEM 12B Organic Chemistry II ^L CHEM 30A Intro to Applied Chemistry I ^L CHEM 30B Intro to Applied Chemistry II ^L CHEM 31 Intro to College Chemistry ^L EVST 5 Energy and Sustainability GEOG 1 Introduction to Physical Geography GEOG 8 Intro. to Atmospheric Science GEOG 12 Geography of California (F16) GEOL 1 Physical Geology GEOL 5 Env. Geology: Hazards & Disasters GEOL 7 Env. Geol.: Res., Use Impact & Pol. GEOL 12 Introduction to Oceanography PHYS 1A General Physics I ^L PHYS 1B General Physics II ^L PHYS 1C General Physics III ^L PHYS 1D General Physics IV ^L PHYS 2A Introduction to Physics I ^L PHYS 2B Introduction to Physics II ^L PHYS 10 Descriptive Physics	CS 17 Discrete Mathematical Structures MATH 1 Calculus I MATH 2 Calculus II MATH 3 Multivariable Calculus MATH 5 Ordinary Differential Equations MATH 7 Elementary Linear Algebra MATH 10 Discrete Mathematical Structures MATH 30 College Algebra for STEM MATH 33 Finite Mathematics MATH 34 Calc. for Bus. and Social Sciences MATH 39 Trigonometry MATH 40 Statistics and Probability MATH 47 Mathematics for Liberal Arts	AJ 50 Intro to Admin of Justice (F12)
B2: Life Science Select 1 course ANTR 1 Biological Anthropology ANTR 13 Intro. to Forensic Anthropology BIO 1A General Botany ^L BIO 1B General Zoology ^L BIO 1C Cell and Molecular Biology ^L BIO 7A Human Anatomy ^L BIO 7B Human Physiology ^L BIO 7C Microbiology	ANTR 1 Biological Anthropology ANTR 13 Intro. to Forensic Anthropology BIO 1A General Botany ^L BIO 1B General Zoology ^L BIO 1C Cell and Molecular Biology ^L BIO 7A Human Anatomy ^L BIO 7B Human Physiology ^L BIO 7C Microbiology	AJ 50 Intro to Admin of Justice (F12)	AJ 50 Intro to Admin of Justice (F12)



<p>SOC 5 Introduction to Global Studies** SOC 6 Social Problems SOC 11 Sociology of Gender SOC 12 Popular Culture SOC 13 Research Methods WMST 1 Introduction to Women's Studies WMST 2 Global Perspective of Women *ECE 15 + PSYC 5 maximum credit 1 course **GS 1 + SOC 5 maximum credit 1 course</p>	<p>KIN 41C Spring Inter. Basketball - Women KIN 41D Off-Sea. Inter. Women's Basketball KIN 48A Pre-Sea. Inter. Women's Soccer KIN 48B Inter. Athletics: Women's Soccer KIN 48C Off Season Inter. Women's Soccer KIN 50 Inter. Swimming & Diving KIN 51 Pre-season Train. - Swim. & Diving KIN 60 Inter. Water Polo - Men's KIN 61 Water Polo Off Season Training KIN 65 Inter. Water Polo - Women's KIN AAE Adapted Aerobic Exercise KIN AAQE Adapted Aquatic Exercise KIN AB Aerobic Fitness KIN AFG Aerobic Fitness Gym KIN AIE Adapted Individualized Exercise KIN APA Adapted Physical Activities KIN AQA Aqua Aerobics KIN AWT Adapted Weight Training KIN BC1 Boot Camp for Flex. & Core Dev. KIN BC2 Boot Camp for Aerobic Cond. KIN BC3 Boot Camp for Power & Str. Tra. KIN BD1 Badminton 1 KIN BD2 Badminton 2 KIN BD3 Badminton 3 KIN BK1 Basketball 1 KIN BK2 Basketball 2 KIN BL1 Bowling 1 KIN BSF1 Body Sculpting for Fitness KIN BX1 Box Aerobics 1 KIN BX2 Box Aerobics 2 KIN CR1 Cricket 1 KIN CR2 Cricket 2 KIN CYCL1 Cycling Conditioning 1 KIN CYCL2 Cycling 2 KIN DBS Dance Aerobics/Body Sculpting KIN DV1 Springboard Diving KIN ETD1 Eskrima - Tenio DeCuerdas 1 KIN ETD2 Eskrima - Tenio DeCuerdas 2 KIN ETD3 Eskrima - Tenio DeCuerdas 3 KIN ETD4 Eskrima - Tenio DeCuerdas 4 KIN FC Fitness Center KIN FD Fitness Development KIN FL1 Flag Football 1 KIN FL2 Flag Football 2</p>	<p>KIN FL3 Flag Football 3 KIN FNE1 Fencing - Epee 1 KIN FNF1 Fencing - Foil 1 KIN FW1 Fitness Walking 1 KIN FW2 Fitness Walking 2 KIN FW3 Fitness Walking 3 KIN GBW Guts and Butts Workout KIN GF1 Golf 1 KIN GF2 Golf 2 KIN GF3 Golf 3 KIN HHA Hip Hop Aerobics KIN JDR1 Jujutsu - Danzan Ryu 1 KIN JDR2 Jujutsu - Danzan Ryu 2 KIN JDR3 Jujutsu - Danzan Ryu 3 KIN JDR4 Jujutsu - Danzan Ryu 4 KIN JW Jog/Walk KIN LAX1 Lacrosse KIN LG Lifeguarding KIN PF Personal Fitness KIN PL1 Pilates 1 KIN PL2 Pilates 2 KIN SD1 Salsa Dance 1 KIN S11 Soccer - Indoor 1 KIN SO1 Soccer - Outdoor 1 KIN SO2 Soccer - Outdoor 2 KIN SW1 Swimming 1 KIN SW2 Swimming 2 KIN SW3 Swimming 3 KIN SW4 Swimming 4 KIN SWF1 Swimming for Fitness 1 KIN SWF2 Swimming for Fitness 2 KIN SWF3 Swimming for Fitness 3 KIN SWF4 Swimming for Fitness 4 KIN TK1 Tae Kwon Do 1 KIN TK2 Tae Kwon Do 2 KIN TK3 Tae Kwon Do 3 KIN TN1 Introductory Tennis KIN UF1 Ultimate Frisbee 1 KIN UF2 Ultimate Frisbee 2 KIN UF3 Ultimate Frisbee 3 KIN UF4 Ultimate Frisbee 4 KIN VB1 Volleyball Beginning KIN VB2 Volleyball Intermediate KIN VB3 Volleyball Advanced</p>	<p>KIN WP1 Water Polo 1 KIN WP2 Water Polo 2 KIN WP3 Water Polo 3 KIN WT1 Weight Training 1 KIN WT2 Weight Training 2 KIN WTW1 Women's Weight Training One KIN WTW2 Women's Circuit Training KIN XT1 X-Training KIN YO1 Yoga 1 KIN YO2 Yoga 2 KIN YO3 Yoga 3 KIN YO4 Yoga 4 KIN ZUM1 Zumba Fitness Workout 1 NUTR 1 Nutrition PCN 10 Career and Educational Planning PCN 18 University Transfer Planning PCN 30 Student Success & the College Exp. PSYC 10 Psychology of Human Sexuality PSYC 12 Life-span Psychology SOC 4 Marriage and Family Relations SOC 7 Sociology of Sexuality</p>
<p>Area E: Lifelong Learning and Self Development Complete at 3 units from below • Veterans with DD214 honorable discharge receive a waiver for this area and 3 units toward CSU</p>		<p>American Institutions US History, Constitution, and American Ideals - CSU Graduation Requirement (NOT required to certify CSU GE-B) Complete 1 group • Up to 6 units of these courses may also be applied to GE-B requirements in Area C2 or D if applicable.</p>	
		<p>Group 1</p>	
		<p>HIST 7 US History Through Reconstruction HIST 8 US History Post-Reconstruction</p>	
		<p>Group 2</p>	
		<p>HIST 7 US History Through Reconstruction HIST 14 History and Am. Cultures of Calif.</p>	
		<p>Group 3</p>	
		<p>POLI 7 Intro. to American Government and at least 1 of the following: HIST 7 US History Through Reconstruction HIST 8 US History Post-Reconstruction HIST 25 American Indian History HIST 32 U.S. Women's History</p>	

FAQS: Frequency Asked Questions about CSU GE-B

<p>Q What is the California State University General Education-Breadth (CSU GE-B)</p>
<p>A CSU GE-B is a general education pattern which community college transfer students can follow to fulfill lower-division general education requirements for the CSU systems.</p>
<p>Q Is CSU GE-B an admission requirement?</p>
<p>A NO. If appropriate for the major, students may complete the minimum eligibility requirements for admission to a CSU – see a counselor for details and advisement.</p>
<p>Q Can I use Advanced Placement (AP), International Baccalaureate (IB), and College Level Examination Program (CLEP) exams for CSU GE-B?</p>
<p>A YES. AP, IB, and CLEP exams may be applied to CSU GE-B with passing scores. For details, see the AP, IB, and CLEP Charts in the LPC Catalog. However, application of AP, IB, and CLEP exams to major requirements can vary at each CSU campus.</p>
<p>Q What is “CSU GE-B Certification” and how do I request it?</p>
<p>A CSU GE-B certification is the process by which the community college verifies that a student has completed all of the required coursework for the CSU GE-B pattern (39 units and partial completion is possible), which is sent directly to the transfer institution. If CSU GE-B is not certified, students may be subject to the lower-division GE requirements of the campus to which they transfer. Request a CSU GE-B Certification in the Admissions & Records Office at the end of the last semester before transferring.</p>
<p>Please note that Las Positas and Chabot College DO NOT share CSU GE-B or IGETC patterns. If you are interested in taking a course at Chabot College please be sure to see a counselor.</p>

Curriculum (IGETC)” chart in this Catalog.

- CSU General Education Breadth Requirements. See the “California State University General Education Breadth Requirements” chart in this Catalog.

Priority Application Filing Dates for CSU

Summer Term: Feb. 1 – 28 of that year.

Fall Semester or Quarter: Oct. 1-Nov. 30 of prior year.

Winter Quarter: June 1 – 30 of prior year.

Spring Semester or Quarter: Aug. 1 – 31 of prior year.

NOTE: Not all campuses admit students every semester/ quarter. Please visit www.calstate.edu/apply for more information.

CSU Resources

Cal State Apply – www.calstate.edu/apply – provides information regarding admission requirements, application deadlines, and specific CSU campuses.

University of California (UC)

Admission Requirements for Transfer to UC

To be minimally eligible for junior-level transfer to a UC campus, students must:

- Complete 60 UC transferable units with a GPA of at least 2.4; no more than 14 units may be taken Pass/No Pass.
- Complete the following seven-course pattern, earning a grade of C or better in each class:

English Composition (UC-E) - two transferable college courses* (3 semester units each);

Mathematical Concepts and Quantitation Reasoning (UC-M) - one transferable college course* (3 semester units);

Arts and Humanities (UC-H), Social and Behavioral Sciences (UC-B), and/or Physical and Biological Sciences (UC-S) - four transferable college courses* (3 semester units each) chosen from at least two of these subject areas.

Note: Completion of IGETC will satisfy the above seven-course pattern for UC admission, but not the 60 unit requirement. Some competitive campuses and/or majors have additional requirements. Consult a counselor for details.

*Visit ASSIST.org for eligible courses.

UC General Education Requirements

Students may complete one of the following:

- Intersegmental General Education Transfer Curriculum (IGETC)*, See the “Intersegmental General Education Transfer Curriculum (IGETC)” chart in this Catalog.
- General education requirements of the receiving UC campus.

*UC San Diego’s Eleanor Roosevelt and Revelle Colleges and UC Berkeley Haas School of Business will NOT accept IGETC. IGETC is not advisable for some high unit majors. Consult a counselor to

determine the best option.

Priority Application Filing Dates for UC

Fall Semester or Quarter: Nov. 1–30 of previous year

Winter Quarter/Spring Semester: July 1–31 of previous year

NOTE: Not all campuses admit students every semester/ quarter. Please visit www.universityofcalifornia.edu/admissions for more information.

UC Resources

The web site www.universityofcalifornia.edu/admissions provides up-to-date UC transfer admissions and application information.

Additional Transfer Information

Certification of General Education for Transfer to UC and CSU

IGETC and CSU GE Breadth certification is the process by which the community college verifies that a student has completed all the required coursework for the IGETC or CSU GE Breadth pattern. Students who transfer without certification may have to meet the local general education requirements of the university campus. Certification is not automatic and must be requested after acceptance to the university. This request should be made in the Office of Admissions and Records. The certification will be sent after final grades are posted. In addition, a Certificate of Achievement in University Transfer is available for posting to the LPC official transcript for students who complete either transfer GE pattern (IGETC or CSU GE Breadth). Additional information may be found under “University Transfer” in the academic programs section of this catalog.

Private/Independent and Out-of-State Colleges and Universities

Transfer requirements for private and out-of-state colleges and universities vary. Students should consult the transfer institution’s catalog or website. Las Positas College counselors can also advise students on independent and out-of-state college and university requirements and preparation. Recently 40 Independent Colleges have started to accept the Associate Degree for Transfer. Please consult with a counselor to determine if the transfer institution you are planning to attend accepts the AD-T to meet transfer requirements.

Transfer Services

A variety of transfer services are coordinated and provided through the Transfer Center. Transfer services include:

- Individual drop-in appointments with LPC counselors;
- Individual appointments with college and university representatives;
- Access to a library of college and university catalogs, both in print and online;
- Support with the Transfer Admission Guarantee application;

- Referrals to appropriate faculty and supportive services;
- Assistance with technology in the articulation of coursework (www.assist.org) and college applications;
- Transfer events, including Transfer Day;
- Field trips to in-state and out-of-state colleges and universities; and
- Workshops that assist with transfer planning, the application process, and the personal statement.

Comprehensive counseling services are available Monday through Friday in the Counseling Department. Counselors work with students to develop Student Education Plans (SEPs), provide assistance with career and major selection, and can help with personal challenges, if needed. For more information, see “Counseling Services.”

KEY TO COURSE INFORMATION

Course Scheduling

Information regarding the days, hours, instructors, and rooms in which classes will be held in each semester and summer session is contained in the Class Schedule, available in the Bookstore prior to the start of each semester and summer session, and on CLASS Web, accessible at www.laspositascollege.edu.

Registration

To receive credit, students must register in a course within the officially designated time. Auditing of specific classes is not allowed (see the section on “Registration Policies” in this Catalog).

Semester Units

All courses in this Catalog are described in semester units.

Prerequisites

Many courses offered by the College require the completion of prerequisite courses. Students are advised to consult the course descriptions found in this Catalog for the identification of the prerequisites for a course. Courses with prerequisites are also designated in the current Class Schedule. See the section on “Prerequisites” in this Catalog for prerequisite definitions and additional information.

Numbering System

- Courses numbered 1-99 are Baccalaureate level and generally transferable.
- Courses numbered 100-299 are not degree applicable and not transferable.
 - 29 Independent Study
 - 100-149 Basic Skills*
 - 200-299 Noncredit

*Students may not receive more than 30 semester units for pre-collegiate

basic skills courses. English as a Second Language and learning disabled students are exempt.

Course Notation

The courses in this Catalog have been annotated with the course descriptor (abbreviation) used on the College transcript, e.g., Administration of Justice (AJ).

Course Description Annotations

The courses in this Catalog have been annotated with codes to identify:

- Grading Option
- Transfer status to baccalaureate-degree institutions;

The following information explains how to interpret these codes.

The grading option for a course is indicated as follows:

- OP May be taken for a letter grade or pass/no pass or satisfactory progress (noncredit only)
- GR Must be taken for a letter grade only
- P/NP Must be taken for pass/no pass only
- P/NP/SP Must be taken for pass/no pass/satisfactory progress only

Transfer Credit is Indicated as Follows:

- UC University of California
- CSU California State University

University of California Transfer Limitations

Refer to www.assist.org for the most current limitations on UC transfer credit. See also individual courses in this Catalog or consult a counselor

State University General Education (GE) Breadth Requirements” chart in this Catalog. Counselor assistance is advised.

2019-2020

University of California (UC) Transferable Courses

- Some Las Positas College courses have limits on how many units will transfer to UC campuses. Please be aware of these limitations noted by asterisks * within each discipline area.

Administration of Justice	ARHS 7 Modern Art History ARHS 8 Asian Art History	CS 21 Computer Org. and Ass. Lang. Prog. CS 31 Java Programming CIS 46 Game Programming: 2D and 3D** <i>* CS 17 and MATH 10 maximum credit, 1 course</i> <i>** CS 46 and CIS 46 maximum credit 1 course</i>	FREN 2A Intermediate French I FREN 2B Intermediate French II
AJ 50 Intro to Admin of Justice AJ 56 Fund. of Crime and Delinquency* AJ 60 Criminal Law** AJ 66 Juvenile Procedures* AJ 70 Community Relations** AJ 74 Gangs and Drugs** AJ 78 Introduction to Probation and Parole <i>* AJ 56 and 66 maximum credit, 1 course</i> <i>** AJ 60, 70 and 74 maximum credit, 1 course</i>	Astronomy		Geography
	ASTR 10 Intro. to Ast.: The Solar System ASTR 20 Intro. to Ast.: Stars and the Uni. ASTR 30L Introduction to Astronomy Lab		GEOG 1 Introduction to Physical Geography GEOG 1L Intro. to Physical Geography Lab. GEOG 2 Cultural Geography GEOG 5 World Regional Geography GEOG 8 Intro. to Atmospheric Science GEOG 12 Geography of California GEOG 15 Introduction to GIS
American Sign Language	Biological Sciences	Dance	Geology
ASL 1A American Sign Language I ASL 1B American Sign Language II ASL 2A American Sign Language III ASL 2B American Sign Language IV	BIO 1A General Botany BIO 1B General Zoology BIO 1C Cell and Molecular Biology BIO 7A Human Anatomy* BIO 7B Human Physiology* BIO 7C Microbiology BIO 10 Intro. to the Science of Biology** BIO 20 Contemporary Human Biology BIO 30 Introduction to College Biology** BIO 40 Humans and the Environment BIO 50 Anatomy and Physiology* BIO 60 Marine Biology <i>* BIO 7A, 7B and 50 maximum credit, 2 courses</i> <i>** BIO 10 and 30 maximum credit, 1 course</i>	DANC 1 Introduction to Dance DANC 2A Jazz Dance Beginning DANC 2B Jazz Dance Intermediate DANC 3 Ballet Beginning DANC 4A Modern/Contemporary Dance A DANC 4B Modern/Contemporary Dance B DANC 5A Dance Composition 5A DANC 5B Dance Composition 5B DANC 6A Dance Prod.-Choreography A DANC 6B Dance Prod.-Choreography B	GEO 1 Physical Geology GEO 1L Physical Geology Laboratory GEO 2 Historical Geology with Lab GEO 5 Env. Geology: Hazards & Disasters GEO 7 Env. Geol.: Res., Use Impact & Pol. GEO 12 Introduction to Oceanography GEO 12L Intro to Oceanography Lab.
Anthropology	Business	Early Care and Education	Global Studies
ANTR 1 Biological Anthropology ANTR 1L Biological Anthropology Lab ANTR 2 Introduction to Archaeology ANTR 2L Archaeology Field Lab ANTR 3 Cultural Anthropology ANTR 4 Language and Culture ANTR 5 Cultures of the U.S. in Global Pers. ANTR 6 Anthropology of Sex and Gender ANTR 7 Native Am. Cultures of N. America ANTR 8 World Prehist. in Arch. Perspective ANTR 12 Magic/Rel./Witchcraft/Healing ANTR 13 Intro. to Forensic Anthropology ANTR 14 Intro. to Arch. Hist. of Mesoam.	BUSN 1A Financial Accounting BUSN1B Managerial Accounting BUSN 18 Business Law BUSN 20 International Business BUSN 40 Introduction to Business BUSN 56 Introduction to Management	ECE 15 Abnormal Child Psychology* ECE 56 Child Growth and Development ECE 62 Child, Family and Community ECE 79 Teaching in a Diverse Society <i>* ECE 15 and PSYC 15 maximum credit, 1 course</i>	GS 1 Introduction to Global Studies* GS 2 Global Issues <i>* GS 1 and SOC 5 maximum credit, 1 course</i>
Art	Chemistry	Economics	Graphic Design & Digital Media
ARTS 2A Introduction to Drawing ARTS 2B Drawing and Composition ARTS 3A Figure and Composition I ARTS 3B Figure and Composition II ARTS 3C Figure and Composition III ARTS 3D Figure and Composition IV ARTS 4A Introduction to Ceramics ARTS 7A Intro. to Watercolor Painting ARTS 7B Watercolor Painting ARTS 7C Advanced Watercolor Painting I ARTS 7D Advanced Watercolor Painting II ARTS 10 Design and Materials ARTS 12A Oil/Acrylic Painting: Beginning I ARTS 12B Oil/Acrylic Painting: Beginning II ARTS 12C Oil/Acrylic Painting: Advanced I ARTS 12D Oil/Acrylic Painting: Advanced II ARTS 13A Acrylic Painting: Beginning I ARTS 13B Acrylic Painting: Beginning II ARTS 13C Acrylic Painting: Advanced I ARTS 13D Acrylic Painting: Advanced II ARTS 24 2-D Design ARTS 25 3-D Design ARTS 26 Color Theory	CHEM 1A General College Chemistry I* CHEM 1B General College Chemistry II** CHEM 12A Organic Chemistry I CHEM 12B Organic Chemistry II CHEM 30A Intro to Applied Chemistry I* CHEM 30B Intro to Applied Chemistry II** CHEM 31 Intro to College Chemistry <i>* CHEM 1A and 30A maximum credit, 1 course</i> <i>** CHEM 1B and 30B maximum credit, 1 course</i>	ECON 1 Principles of Microeconomics ECON 2 Principles of Macroeconomics ECON 5 Economic History of the U. S. ECON 10 General Economics	GDDM 3 The History of Modern Design GDDM 50 Graphic Des./Digital Media Fund. GDDM 51 Color Theory for Design GDDM 52 Introduction to Typography
Art History	Communication Studies	Engineering	Health
ARHS 1 Introduction to Art History ARHS 2 Art of the Ancient Americas ARHS 4 Western Art Hist. - Ancient to Med. ARHS 5 Western Art Hist. - Ren. to Cont.	CMST 1 Fundamentals of Public Speaking CMST 2 Oral Interpretation of Literature CMST 3 Group Communication CMST 4 Intro. to Communication Studies CMST 5 Readers Theater CMST 10 Interpersonal Communication CMST 11 Intercultural Communication CMST 46 Argumentation and Debate	ENGR 10 Introduction to Engineering ENGR 22 Engineering Design Graphics ENGR 25 Comp. Methods for Eng. and Sci. ENGR 35 Statics ENGR 44 Introduction to Circuit Analysis ENGR 46 Materials of Engineering	HLTH 1 Introduction to Personal Health* HLTH 3 Women's Health* HLTH 7 Introduction to Public Health HLTH 11 Health and Social Justice <i>* HLTH 1 and 3 maximum credit, 1 course</i>
	Computer Information Systems	English	History
	CIS 46 Game Programming: 2-D and 3-D* CIS 50 Intro to Computing Info Tech <i>* CIS 46 and CS 46 maximum credit, 1 course</i>	ENG 1A Critical Reading and Composition* ENG 1AEX Critical Read. and Comp. Exp.* ENG 4 Crit. Thinking and Wri. About Lit. ENG 7 Crit. Thinking and Wri. Across Disc. ENG 20 Studies in Shakespeare ENG 32 U.S. Women's Literature ENG 35 Modern American Literature ENG 41 Modern World Literature ENG 42 Lit. of the African Diaspora in Am. ENG 44 Literature of the American West ENG 45 Studies in Fiction <i>* ENG 1A and 1AEX maximum credit, 1 course</i>	HIST 1 Western Civilization to 1600 HIST 2 Western Civilization since 1600 HIST 7 US History Through Reconstruction HIST 8 US History Post-Reconstruction HIST 14 History and Am. Cultures of Calif. HIST 25 American Indian History HIST 28 History of the America West HIST 32 U.S. Women's History
	Computer Science	English as a Second Language	Humanities
	CS 1 Computing Fundamentals I CS 2 Computing Fundamentals II CS 7 Intro. to Computer Prog. Concepts CS 17 Discrete Mathematical Structures* CS 20 Adv. Prog. w/ Data Structures/C++	ESL 24 Advanced Reading and Comp. I* ESL 25 Advanced Reading and Comp. II* <i>* ESL 24 and 25 maximum credit, 8 units</i>	HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 7 Contemporary Humanities HUMN 10 American Arts and Ideas HUMN 11 Culture and the Arts I: Ancient World to the Renaissance HUMN 12 Cul. & the Arts II: The Mod. W. HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music
		Environmental Studies	
		EVST 5 Energy and Sustainability	
		French	Italian
		FREN 1A Beginning French FREN 1B Elementary French	ITLN 1A Beginning Italian ITLN 1B Elementary Italian

University of California (UC) Transferable Courses

Kinesiology	MUS 15 Jazz Ensemble MUS 16 Philharmonic Orchestra MUS 17A Jazz Combo 1 MUS 17B Jazz Combo 2 MUS 18A Jazz/Pop Piano 1 MUS 18B Jazz/Pop Piano 2 MUS 19 Studies in Music Composition MUS 20A Elementary Guitar MUS 20B Study of Guitar MUS 20C Advanced Guitar MUS 21A Beginning Piano MUS 21B Beginning Piano: Intermediate MUS 23A Elementary Voice I MUS 23B Elementary Voice II MUS 28 Keyboard Skills MUS 31 Study of Piano MUS 33 Study of Voice MUS 34 Music in Film MUS 38 Applied Lessons MUS 39 Musical Theater Workshop MUS 44 Concert Choir MUS 45 Chamber Choir MUS 46A Beginning Jazz Choir MUS 46B Advanced Jazz Choir MUS 47 College Productions - Music	PHYS 2B Introduction to Physics II* PHYS 10 Descriptive Physics** PHYS 10L Descriptive Physics Lab** <i>* PHYS 2A, 2B or PHYS 1A, 1B, 1C, 1D maximum UC credit, one series.</i> <i>** No UC credit for PHYS 10 or 10L if taken after PHYS 1A or 2A.</i>	SPAN 22 Spanish for Bilingual Spanish Speakers II SPAN 23 Introduction to Hispanic Literature
Intercollegiate Athletics	MUS 20A Elementary Guitar MUS 20B Study of Guitar MUS 20C Advanced Guitar MUS 21A Beginning Piano MUS 21B Beginning Piano: Intermediate MUS 23A Elementary Voice I MUS 23B Elementary Voice II MUS 28 Keyboard Skills MUS 31 Study of Piano MUS 33 Study of Voice MUS 34 Music in Film MUS 38 Applied Lessons MUS 39 Musical Theater Workshop MUS 44 Concert Choir MUS 45 Chamber Choir MUS 46A Beginning Jazz Choir MUS 46B Advanced Jazz Choir MUS 47 College Productions - Music	Political Science	Theater Arts
Library Studies	MUS 20A Elementary Guitar MUS 20B Study of Guitar MUS 20C Advanced Guitar MUS 21A Beginning Piano MUS 21B Beginning Piano: Intermediate MUS 23A Elementary Voice I MUS 23B Elementary Voice II MUS 28 Keyboard Skills MUS 31 Study of Piano MUS 33 Study of Voice MUS 34 Music in Film MUS 38 Applied Lessons MUS 39 Musical Theater Workshop MUS 44 Concert Choir MUS 45 Chamber Choir MUS 46A Beginning Jazz Choir MUS 46B Advanced Jazz Choir MUS 47 College Productions - Music	POLI 7 Intro. to American Government POLI 12 Intro. to Ca. State and Local Gov. POLI 20 Comparative Government POLI 25 Introduction to Political Theory POLI 30 International Relations	THEA 1A Theory/Practice of Acting I THEA 1B Theory/Practice of Acting II THEA 3A Beginning Improvisation THEA 3B Intermediate Improvisation THEA 3C Improvisation in Performance THEA 4 American Cultures in Theater THEA 5 Theater for Young Audiences THEA 10 Introduction to Dramatic Arts THEA 11 Stage to Screen THEA 12 Film As Art & Communication THEA 14 Bay Area Theatre THEA 25 Fundamentals of Stage Speech THEA 31A Drama Workshop - Beginning THEA 31B Drama Workshop - Intermediate THEA 31C Drama Workshop - Technical Theater THEA 31D Drama Workshop - Directing THEA 39A Musical Theater Workshop - Beg. THEA 39B Musical Theater Workshop - Int. THEA 39C Musical Theater Workshop - Adv. THEA 41A Passport to Theater - Non Mus. THEA 41B Adv. Passport to Theater - Mus. THEA 47A Performance in Production: Intro. to Live Performance THEA 47B Performance in Production: Beg. THEA 47C Performance in Production: Int. THEA 47D Performance in Production: Adv. THEA 48A Technical Theater in Production - Beginning THEA 48B Tech. Theater in Production - Int. THEA 48C Tech. Theater in Prod.-Adv. THEA 48D Tech. Theater in Prod.-Man. THEA 50 Stagecraft THEA 50L Introduction to Stage Lighting THEA 51 Introduction to Costume Design THEA 52 Introduction to Design THEA 53 Script Analysis THEA 57A Performance in Production- Intro to Musical Theater THEA 57B Performance in Production- Beginning Musical Theater THEA 57C Performance in Production- Intermediate Musical Theater THEA 57D Performance in Production- Advanced Musical Theater
Mass Communications	Nutrition	Psychology	Psychology - Counseling
LIBR 1 Working with Sources LIBR 4 College Research Techniques* LIBR 5 College Research and Databases* LIBR 6 Research in Special Subjects* LIBR 7 The Open Web and Search Engines* LIBR 8 Research and Information Literacy* <i>* LIBR 4, 5, 6, 7, and 8 maximum credit, 1 course</i>	NUTR 1 Nutrition* NUTR 5 Nutrition/Performance & Sport* <i>* NUTR 1 and 5 maximum credit, 1 course</i>	PSYC 1 General Psychology PSYC 3 Introduction to Social Psychology PSYC 4 Brain, Mind and Behavior PSYC 6 Abnormal Psychology PSYC 10 Psychology of Human Sexuality PSYC 12 Life-span Psychology PSYC 13 Psychology of Women PSYC 15 Abnormal Child Psychology* PSYC 17 The Psyc. of Sleep and Dreams PSYC 21 Intro. to Cross-Cultural Psychology PSYC 25 Research Methods PSYC 27 Introduction to Cognitive Science <i>* PSYC 15 and ECE 15 maximum credit, 1 course</i>	PCN 1 Intro. to Soc. Work and Hum. Serv. PCN 13 Multicultural Issues in Cont. Am. PCN 18 University Transfer Planning PCN 30 Student Success & the College Exp.* PCN 35 Drugs, Health and Society <i>* KIN 16 and PCN 30 maximum credit, 3 units</i>
Mathematics	Philosophy	Religious Studies	Sociology
MATH 1 Calculus I* MATH 2 Calculus II MATH 3 Multivariable Calculus MATH 5 Ordinary Differential Equations MATH 7 Elementary Linear Algebra MATH 10 Discrete Mathematical Structures* MATH 30 College Algebra for STEM MATH 33 Finite Mathematics* MATH 34 Calc. for Bus. & Social Sciences** MATH 40 Statistics and Probability MATH 47 Mathematics for Liberal Arts <i>* CS 17 and MATH 10 maximum credit, 1 course</i> <i>** MATH 1, 33 and 34 maximum credit, 1 course</i>	PHIL 1 God, Nature, Human Nature* PHIL 1H Honors Philosophy 1: God, Nature, Human Nature* PHIL 2 Ethics** PHIL 2H Honors Philosophy 2: Ethics** PHIL 3 Aesthetics PHIL 4 Intro to Philosophy: Knowledge PHIL 5 Feminist Philosophy PHIL 6 Introduction to Logic <i>PHIL 8 Logic and Argumentation</i> <i>* PHIL 1 and 1H credit will be awarded only for the first course completed with a grade of C or better</i> <i>** PHIL 2 and 2H credit will be awarded only for the first course completed with a grade of C or better</i>	RELS 1 Religions of the World RELS 2 Bible: History and Literature RELS 3 Intro to Women's Spirituality RELS 11 The Nature of Islam	SOC 1 Principles of Sociology SOC 3 Cultural and Racial Minorities SOC 4 Marriage and Family Relations SOC 5 Introduction to Global Studies* SOC 6 Social Problems SOC 7 Sociology of Sexuality SOC 11 Sociology of Gender SOC 12 Popular Culture SOC 13 Research Methods <i>* SOC 5 and GS 1 maximum credit, 1 course</i>
Music	Photography	Spanish	Women's Studies
MUS 1 Introduction to Music MUS 3 World Music MUS 4 Jazz in American Culture MUS 5 American Cultures in Music MUS 6 Basic Music Skills MUS 8A Music Theory and Musicianship 1 MUS 8B Music Theory and Musicianship 2 MUS 10A Music Theory and Musicianship 3 MUS 10B Music Theory and Musicianship 4 MUS 12 Wind Ensemble MUS 13 History of Rock & Roll MUS 14 Jazz Workshop	PHTO 50 Intro. to Photography PHTO 56 Intro. to Digital Photography PHTO 60 Inter. Black and White Photo. PHTO 67 History of Photography PHTO 72 Intro. to Photojournalism* <i>** MSCM 35, 72, and PHTO 72 maximum credit, 1 course</i>	SPAN 1A Beginning Spanish SPAN 1B Elementary Spanish SPAN 2A Intermediate Spanish I SPAN 2B Intermediate Spanish II SPAN 21 Spanish for Bilingual Spanish Speakers I	VWT 1 World Wines: New World* VWT 2 World Wines: Old World* VWT 10 Introduction to Viticulture* VWT 20 Introduction to Enology* <i>* VWT 1, 2, 10, and 20 maximum credit, 1 course</i>
If you have any questions regarding UC transfer, please be sure to see a counselor.			



Intersegmental General Education Transfer Curriculum (IGETC)

2019-2020

- All courses taken to meet IGETC requirements must be completed with a grade of 'C' or better.
- Courses may be listed in more than one area but will NOT be certified more than once, unless otherwise stated.
- For a course to meet an IGETC requirement, the course must be on the IGETC pattern during the academic year it is taken.

<p>Area 1: English Communication a) CSU: Select 3 courses, 1 from 1A, 1B and 1C; at least 9 units required b) UC: Select 2 courses, 1 from 1A and 1B; at least 6 units required</p>	<p>3B: Humanities Select at least 1 course</p> <p>THEA 10 Introduction to Dramatic Arts THEA 11 Stage to Screen THEA 12 Film As Art & Communication THEA 14 Bay Area Theatre ASL 2A American Sign Language III ASL 2B American Sign Language IV ENG 4 Crit. Thinking & Writ. About Lit. (F16) ENG 7 Crit. Think. & Wri. Across Disc. (F16) ENG 20 Studies in Shakespeare ENG 32 U.S. Women's Literature ENG 35 Modern American Literature ENG 41 Modern World Literature ENG 44 Literature of the American West ENG 45 Studies in Fiction FREN 2A Intermediate French I FREN 2B Intermediate French II HIST 1 Western Civilization to 1600 (F15) HIST 2 Western Civilization since 1600 (F15) HIST 7 US History Through Reconst. (F15) HIST 8 US History Post-Reconstruction (F15) HIST 14 History and Am. Cult. of Calif. (F15) HIST 25 American Indian History (F16) HIST 32 U.S. Women's History (F16) HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 7 Contemporary Humanities (F16) HUMN 10 American Arts and Ideas HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music MUS 34 Music in Film PHIL 1 God, Nature, Human Nature PHIL 1H Honors Philosophy 1: God, Nature, Human Nature PHIL 2 Ethics PHIL 2H Honors Philosophy 2: Ethics PHIL 3 Aesthetics PHIL 4 Intro to Philosophy: Knowledge PHIL 5 Feminist Philosophy RELS 1 Religions of the World RELS 2 Bible: History and Literature RELS 3 Intro to Women's Spirituality RELS 11 The Nature of Islam SPAN 2A Intermediate Spanish I SPAN 2B Intermediate Spanish II SPAN 22 Spanish for Bilingual Spanish Speakers II</p>	<p>5A: Physical Science Select 1 course</p> <p>ANTR 8 World Prehistory in Arch. Pers. ANTR 12 Magic/Rel./Witchcraft/Healing CMST 4 Intro. to Communication Studies CMST 10 Interpersonal Communication (F16) CMST 11 Intercultural Communication (F16) ECE 15 Abnormal Child Psychology* (F16) ECE 56 Child Growth and Development ECON 1 Principles of Microeconomics ECON 2 Principles of Macroeconomics ECON 5 Economic History of the U.S. ECON 10 General Economics GEOG 2 Cultural Geography GEOG 5 World Regional Geography GEOG 8 Intro. to Atmospheric Science GEOG 12 Geography of California (F16) GS 1 Introduction to Global Studies** GS 2 Global Issues HLTH 3 Women's Health (F15) HLTH 7 Introduction to Public Health HLTH 11 Health and Social Justice HIST 1 Western Civilization to 1600 HIST 2 Western Civilization since 1600 HIST 7 US History Through Reconstruction HIST 8 US History Post-Reconstruction HIST 14 History and Am. Cultures of Calif. HIST 25 American Indian History HIST 28 History of the American West HIST 32 U.S. Women's History MSCM 5 Intro. to Mass Communications*** MSCM 31 Introduction to Media*** PCN 13 Multicultural Issues in Cont. Am. POLI 7 Intro. to American Government POLI 12 Intro. to Ca. State and Local Gov. POLI 20 Comparative Government POLI 25 Introduction to Political Theory POLI 30 International Relations PSYC 1 General Psychology PSYC 3 Introduction to Social Psychology PSYC 4 Brain, Mind and Behavior PSYC 6 Abnormal Psychology PSYC 12 Life-span Psychology PSYC 13 Psychology of Women PSYC 15 Abnormal Child Psychology* (F16) PSYC 21 Intro. to Cross-Cultural Psychology PSYC 25 Research Methods PSCY 27 Introduction to Cognitive Science SOC 1 Principles of Sociology SOC 3 Cultural and Racial Minorities SOC 4 Marriage and Family Relations SOC 5 Introduction to Global Studies** SOC 6 Social Problems SOC 11 Sociology of Gender SOC 12 Popular Culture SOC 13 Research Methods WMST 1 Introduction to Women's Studies WMST 2 Global Perspective of Women * ECE 15 + PSYC 5 maximum credit 1 course ** GS 5 + SOC 5 maximum credit 1 course *** MSCM 5 + 31 maximum credit 1 course</p>	<p>5B: Biological Science Select 1 course</p> <p>ANTR 1 Biological Anthropology ANTR 13 Intro. to Forensic Anthropology BIO 1A General Botany^L BIO 1B General Zoology^L BIO 1C Cell and Molecular Biology^L BIO 7A Human Anatomy^L BIO 7B Human Physiology^L BIO 7C Microbiology^L BIO 10 Intro. to the Science of Biology^L BIO 20 Contemporary Human Biology BIO 30 Introduction to College Biology^L BIO 40 Humans and the Environment BIO 50 Anatomy and Physiology^L BIO 60 Marine Biology^L PSYC 4 Brain, Mind and Behavior</p>
<p>Area 2: Mathematical Concepts and Quantitative Reasoning Select 1 course; at least 3 units required</p>	<p>Area 4: Social and Behavioral Sciences Select 3 courses from at least 2 different disciplines; at least 9 units required</p> <p>AJ 50 Intro to Admin of Justice (F16) AJ 60 Criminal Law (F16) AJ 66 Juvenile Procedures (F16) ANTR 1 Biological Anthropology ANTR 2 Introduction to Archaeology ANTR 3 Cultural Anthropology ANTR 4 Language and Culture ANTR 5 Cultures of the U.S. in Global Pers. ANTR 6 Anthropology of Sex and Gender ANTR 7 Native Am. Cultures of N. Am.</p>	<p>5C: Laboratory Science Requirement Select 1 course below or from 5A or 5B marked with an ^L</p> <p>ANTR 1L Biological Anthropology Lab ANTR 2L Archaeology Field Lab ASTR 30L Introduction to Astronomy Lab GEOG 1L Intro. to Physical Geography Lab. GEOL 1L Physical Geology Laboratory GEOL 12L Intro to Oceanography Lab. PHYS 10L Descriptive Physics Lab</p>	
<p>Area 3: Arts and Humanities Select 3 courses: 1 course from Arts, 1 course from Humanities, and 1 course from either area; at least 9 units required</p>	<p>Area 5: Physical and Biological Sciences Select 1 Physical Science course, 1 Biological Science course, and one course with a Lab; at least 7 units required</p>	<p>Area 6: Language Other Than English - UC Requirement Only (Required to certify IGETC) Proficiency in a language other than English may be met in one of the following ways: 1. Complete 1 of the following courses with a grade of 'C' or better</p>	
<p>1A: English Composition ENG 1A Critical Reading and Composition</p>			
<p>1B: Critical Thinking/English Composition Select 1 course</p> <p>ENG 4 Crit. Thinking and Writ. About Lit. ENG 7 Crit. Thinking and Writ. Across Disc. PHIL 8 Logic and Argumentation</p>			
<p>1C: Oral Communication Select 1 course • CSU requirement only</p> <p>CMST 1 Fundamentals of Public Speaking CMST 10 Interpersonal Communication (F16) CMST 46 Argumentation and Debate</p>			
<p>2A: Math Select 1 course</p> <p>CS 17 Discrete Mathematical Structures MATH 1 Calculus I MATH 2 Calculus II MATH 3 Multivariable Calculus MATH 5 Ordinary Differential Equations MATH 7 Elementary Linear Algebra MATH 10 Discrete Mathematical Structures MATH 30 College Algebra for STEM MATH 33 Finite Mathematics MATH 34 Calculus for Business and Social Sciences MATH 40 Statistics and Probability MATH 47 Mathematics for Liberal Arts</p>			
<p>3A: Arts Select at least 1 course</p> <p>ARHS 1 Introduction to Art History ARHS 4 Western Art Hist. - Ancient to Med. ARHS 5 Western Art Hist. - Ren. to Cont. ARHS 7 Modern Art History GDDM 3 The History of Modern Design HUMN 4 Global Cinemas MUS 1 Introduction to Music MUS 3 World Music MUS 4 Jazz in American Culture MUS 5 American Cultures in Music MUS 6 Basic Music Skills MUS 8A Music Theory and Musicianship 1 MUS 8B Music Theory and Musicianship 2 MUS 13 History of Rock & Roll MUS 34 Music in Film PHTO 67 History of Photography THEA 4 American Cultures in Theater</p>			



2019-2020

Intersegmental General Education Transfer Curriculum (IGETC)

ASL 1A American Sign Language I ASL 1B American Sign Language II ASL 2A American Sign Language III ASL 2B American Sign Language IV FREN 1A Beginning French FREN 1B Elementary French FREN 2A Intermediate French I FREN 2B Intermediate French II ITLN 1A Beginning Italian ITLN 1B Elementary Italian SPAN 1A Beginning Spanish SPAN 1B Elementary Spanish	SPAN 2A Intermediate Spanish I SPAN 2B Intermediate Spanish II 2. Complete 2 years of high school study in the same language, with a grade of C- or better in the final term. 3. Demonstrating equivalent proficiency prior to transfer or AP Language & Cultures exam with score of 3 or higher.	American Institutions US History, Constitution, and American Ideals - CSU Graduation Requirement (NOT required to certify IGETC) Complete 1 group • Up to 6 units of these courses may also be applied to Area 3B or 4 if applicable. Group 1 HIST 7 US History Through Reconstruction HIST 8 US History Post-Reconstruction	Group 2 HIST 7 US History Through Reconstruction HIST 14 History & Am. Cultures of Calif. Group 3 POLI 7 Intro. to American Government and at least 1 of the following: HIST 7 US History Through Reconstruction HIST 8 US History Post-Reconstruction HIST 25 American Indian History HIST 32 U.S. Women's History
--	--	---	---

FAQS: Frequency Asked Questions about IGETC

Q What is the Intersegmental General Education Transfer Curriculum (IGETC)

A IGETC is a general education pattern which community college transfer students can follow to fulfill lower-division general education requirements for either the UC or CSU systems. This pattern is advisable for students who are undecided about their transfer goals because it keeps their options open. Many private/independent colleges/universities also recognize or accept IGETC (see a counselor for details).

Q Is IGETC an admission requirement?

A NO. There is no connection between completion of IGETC and eligibility for admission to the CSU or UC system.

Q What alternatives to IGETC exist?

A Community college students who are CSU-bound have the option to complete the CSU General Education Breadth requirements. Students who are UC-bound have the option of completing the general education requirements of the destination UC campus or the minimum UC transfer admission requirements as listed on ASSIST.org > select Las Positas College and UC Transfer Admission Eligibility Courses.

Q Is it advisable for all transfer students to follow IGETC?

A NO. Not all majors should follow IGETC. Students pursuing majors that require extensive lower-division major preparation (i.e. Engineering) may not find IGETC advantageous, and the transfer institution may advise following the minimum UC eligibility requirements listed on ASSIST.org > select Las Positas College and UC Transfer Admission Eligibility Courses.

Q What are the minimum UC Transfer Eligibility Requirements for junior-level transfer students?

- 60 UC transferable units
- 2.4 cumulative GPA (impacted campuses and majors may require higher GPAs)
- No more than 14 semester units taken Pass/Not Pass (P/NP)
- 7 UC transferable GE courses as follows:
 - 2 courses in English composition (IGETC Area 1 – please see a counselor for details)
 - 1 course in Mathematical Concepts and Quantitative Reasoning (IGETC Area 2)
 - 4 courses chosen from at least 2 of the following subject areas (see IGETC for approved courses):
 - Arts and Humanities
 - Social and Behavioral Sciences
 - Physical and Biological Sciences

Q Will all UC and CSU campuses accept IGETC?

A NO, for example UC Berkeley's Haas School of Business and Engineering will NOT accept IGETC.

Q Can I use Advanced Placement (AP) and International Baccalaureate (IB) exams for IGETC?

A YES. AP and IB exams may be applied to IGETC with passing scores. For details, see the AP and IB Charts in the LPC Catalog. However, application of AP and IB exams to major requirements can vary at each UC campus.

Q What is "IGETC Certification" and how do I request it?

A IGETC certification is the process by which the community college verifies that a student has completed all of the required coursework for the IGETC pattern (11 courses/34 units where Area 1C is not required and partial completion is also possible), which is sent directly to the transfer institution. If IGETC is not certified, students may be subject to the lower-division general education requirements of the campus to which they transfer. Request an IGETC Certification in the Admissions & Records at the end of the last semester before transferring.

Please note that Las Positas and Chabot College DO NOT share CSU GE-B or IGETC patterns. If you are interested in taking a course at Chabot College please be sure to see a counselor.

ADMINISTRATION OF JUSTICE

The Las Positas College Administration of Justice program offers courses that lead to an Associate of Arts degree, an Associate in Science for Transfer (AS-T), and a Basic Peace Officer Academy for students seeking full-time employment in law enforcement.

Programs of Study

Degrees:

- AS-T – Administration of Justice
- AA – Administration of Justice

Certificates of Achievement:

- Law Enforcement

A California Peace Officer's Standards and Training Basic Academy Certificate is awarded upon successful completion of the Alameda County Sheriff's POST Academy.

Career Opportunities

Career opportunities in AJ include: Municipal or Special District Police Officer, County Deputy Sheriff, Game Warden, Highway Patrol Officer, State Narcotics Agent. Some careers requiring a 4-year degree include, but are not limited to: FBI agent, DEA, Secret Service, Parole Agent, Probation Officer, and Forensic Specialist.

AS-T – Administration of Justice

About the Degree

The Las Positas College Administration of Justice program offers courses that lead to an Associate in Arts in Administration of Justice for transfer degree. The Associates in Art in Administration of Justice for Transfer prepares students for seamless transfer into the CSU system to complete a baccalaureate degree in Administration of Justice or similar major. This new degree provides Administration of Justice students assurance that their undergraduate work will prepare them for junior status within the CSU system. Completing this degree will provide a stronger foundation for further educational endeavors. After completing the required courses in this program students will graduate with a broad-based understanding of the field of administration of justice, its demands, required skill-sets, needed abilities, and career opportunities.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education – Breadth Requirements.

- b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Career Opportunities

Career opportunities for students completing this Associate of Science in Administration of Justice for Transfer include: Municipal or Special District Police Officer, County Deputy Sheriff, FBI Agent*, DEA Agent*, Game Warden, Highway Patrol Officer, State Narcotics Agent, Lawyer*, Forensic Specialist*, Probation Officer*, and a host of other careers and jobs. (*Denotes a four-year degree requirement for that position.)

Program Outcomes

- Upon successful completion of the AS-T in Administration of Justice, the student will be academically prepared for transfer to a four year degree program. The student will be able to explain different components and subcomponents of the American criminal justice program; interpret criminal law statutes and differentiate between civil law and criminal law.

Required Core: (6 Units)

AJ 50 (Intro to Admin of Justice)	3
AJ 60 (Criminal Law)	3

List A: Select Two (6 Units)

AJ 55 (Intro to Correctional Science)	3
AJ 61 (Evidence)	3
AJ 63 (Criminal Investigation)	3
AJ 66 (Juvenile Procedures)	3
AJ 70 (Community Relations)	3

List B: Select Two (6-7 Units)

Any List A course not already used.....	3
MATH 40 (Statistics and Probability)	4
PSYC 1 (General Psychology).....	3
SOC 1 (Principles of Sociology)	3

Total Units for the Major 18-19

Additional General Education and Elective Units 41-42

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Administration of Justice

About the Degree

The Las Positas College Administration of Justice program offers courses that lead to an Associate of Arts degree. It also prepares students academically for the POST Basic Peace Officer Academy for students seeking full-time employment in law enforcement. The degree program prepares students for transfer to a four-year college or university while the Basic Peace Officer Academy program prepares students for direct job entry with a California law enforcement agency.

Career Opportunities

Career opportunities in AJ include: Municipal or Special District Policy Officer, County Deputy Sheriff, FBI Agent*, DEA Agent*, Game Warden, Highway Patrol Officer, State Narcotics Agent, Lawyer*, Forensic Specialist*, Probation Officer*, Parole Agent, and a host of other careers and jobs. (*Denotes a four-year degree requirement for that position.)

Program Outcomes

- Upon successful completion of the AA in Administration of Justice, the student will be academically prepared for a California Peace Officer Standards and Training Commission basic training academy and prepared for transfer to a four year degree program. The student will be able to compare and contrast the different components and sub-components of the American criminal justice program; interpret criminal law statutes; differentiate between civil law and criminal law; investigate a scenario and create a police report utilizing proper investigative and evidentiary procedures and understand ethical leadership in a law enforcement agency.

Required Core: (21 Units)

AJ 50 (Intro to Admin of Justice)	3
AJ 54 (Investigative Reporting)	3
AJ 60 (Criminal Law)	3
AJ 61 (Evidence)	3
AJ 63 (Criminal Investigation)	3
AJ 68 (Police Ethics and Leadership)	3
AJ 70 (Community Relations)	3

List A: Select Two (6 Units)

AJ 55 (Intro to Correctional Science)	3
AJ 56 (Fundamentals of Crime and Delinquency)	3
AJ 59 (Child Abuse in the Community)	3
AJ 64 (Patrol Procedures)	3
AJ 66 (Juvenile Procedures)	3
AJ 69 (Sex Crime Investigation)	3
AJ 71 (Narcotics & Drug Enforcement)	3
AJ 74 (Gangs and Drugs)	3
AJ 79 (Homicide Investigation)	3
AJ 89 (Family Violence)	3
ANTR 13 (Intro to Forensic Anthropology)	3
CNT 68 (Digital Forensics Fundamentals)	3
PSYC 1 (General Psychology)	3

PSYC 6 (Abnormal Psychology)	3
PSYC 12 (Life-Span Psychology)	3
SOC 1 (Principles of Sociology)	3
SOC 3 (Cultural and Racial Minorities)	3
SOC 6 (Social Problems)	3

Total Units for the Major 27

Additional General Education and Elective Units 33

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Law Enforcement

About the Certificate

The Law Enforcement Certificate of Achievement recognizes the accomplishments of the recruit who has successfully completed the Recruit Orientation Course and the 28 week POST basic training academy.

Career Opportunities

A person who successfully completes the POST basic training academy is eligible for employment as a California peace officer if they also meet the background criteria set forth in California Government Code section 1031.

Program Outcomes

- Upon completion of the Certificate of Achievement in Law Enforcement, the student will be able to assume the duties of a basically trained California peace officer and be eligible for duty as a probationary peace officer.

Required Core: (29.5 Units)

AJ 9988 (Academy Orientation)	0.5
AJ 9997 (Law Enforcement Academy)	29

Total Units 29.5

Administration of Justice Courses (AJ)

AJ 29 INDEPENDENT STUDY, 0.5-2 UNITS
ADMINISTRATION OF JUSTICE

For course information, see "Independent Studies".

AJ 50 INTRO TO ADMIN OF JUSTICE 3 UNITS

History and philosophy of administration of justice in America;

recapitulation of the system; identifying the various subsystems, role expectations, and their interrelationships; theories of crime, punishment, and rehabilitation; ethics, education and training for professionalism in the system. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D8; IGETC: 4G, 4J; C-ID# AJ 110.

Degree Applicable, Credit Grading Option: OP

AJ 54 INVESTIGATIVE REPORTING 3 UNITS

Investigative reports with emphasis upon accuracy and details necessary. Includes arrest reports, incident reports, and miscellaneous field reports. Techniques and methods used to cover information; how to analyze and present information in a clear and concise report. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

AJ 55 INTRO TO CORRECTIONAL SCIENCE 3 UNITS

Aspects of modern correctional process as utilized in rehabilitation of adult and juvenile offenders. Emphasis on custody, rehabilitation, and treatment programs as recognized by modern penology. Exploration of career opportunities. 54 hours lecture. Transfer: CSU; C-ID# AJ 200.

Degree Applicable, Credit Grading Option: OP

AJ 56 FUNDAMENTALS OF CRIME AND DELINQUENCY 3 UNITS

Survey of the sociological and psychological theories pertaining to the causation of crime and delinquency. Includes ethnic considerations and their relationships. 54 hours lecture. Transfer: CSU, UC*; CSU GE: D0. *AJ 56 and 66 combined: maximum UC credit, 1 course.

Degree Applicable, Credit Grading Option: OP

AJ 59 CHILD ABUSE IN THE COMMUNITY 3 UNITS

Dynamics of battered child syndrome. Focus on the abusive caretaker, patterns of abuse and means necessary for effective intervention and treatment, including effective legal and social action to control child abuse in the community. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AJ 60 CRIMINAL LAW 3 UNITS

Historical development, philosophy of law and constitutional provisions; definitions, classification of crime and their application to the system of administration of justice; frequently used Penal and other code sections; case law, methodology and concepts of law as a social force. 54 hours lecture. AA/AS GE. Transfer: CSU, UC*; CSU GE: D8; IGETC: 4G, 4J; C-ID# AJ 120. *AJ 60, 70, and 74 combined: maximum UC credit, 1 course.

Degree Applicable, Credit Grading Option: GR

AJ 61 EVIDENCE 3 UNITS

Origin, development, philosophy and constitutional basis of evidence; constitutional and procedural considerations affecting arrest, search and seizure; kinds and degrees of evidence and rules governing admissibility; judicial decisions interpreting individual rights and

case studies. 54 hours lecture. Transfer: CSU; C-ID# AJ 124.

Degree Applicable, Credit Grading Option: GR

AJ 63 CRIMINAL INVESTIGATION 3 UNITS

This course addresses the techniques, procedures, and ethical issues in the investigation of crime, including organization of the investigative process, crime scene searches, interviewing and interrogating, surveillance, source of information, utility of evidence, scientific analysis of evidence and the role of the investigator in the trial process. 54 hours lecture. Transfer: CSU; C-ID# AJ 140.

Degree Applicable, Credit Grading Option: GR

AJ 64 PATROL PROCEDURES 3 UNITS

The responsibilities, techniques of observation, community relations and methods of police patrol. Emphasis on legal and practical aspects. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

AJ 66 JUVENILE PROCEDURES 3 UNITS

This course is an examination of the origin, development, and organization of the juvenile justice system as it evolved in the U.S. justice system. The course explores the theories that focus on juvenile law, courts and processes, and the constitutional protections extended to juveniles in the U.S. justice system. Strongly Recommended: Eligibility for ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D0, D8; IGETC: 4G, 4J; C-ID# AJ 220. *AJ 56 and 66 combined: maximum credit, 1 course.

Degree Applicable, Credit Grading Option: GR

AJ 68 POLICE ETHICS AND LEADERSHIP 3 UNITS

This course will explore the ethical, legal and moral complexities of law enforcement in a democracy. From the initial application process and background investigation of a potential law enforcement recruit, to the working law enforcement officer, the course will examine society's need for ethical behavior and leadership by law enforcement agencies and the personal commitment to ethical behavior and ethical leadership by individual law enforcement officers, both on the job and in their private lives. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AJ 69 SEX CRIME INVESTIGATION 3 UNITS

Sexual assault investigations; human behavior in relation to sexual attitudes and behavior; sexual assault laws and investigations; interview and interrogation techniques; court preparation and trial phase; sex crime prevention. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

AJ 70 COMMUNITY RELATIONS 3 UNITS

This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. Topics may include the consensus and conflicting values in Culture, Religion, and Law. 54 hours lecture. Transfer: CSU, UC*; C-ID# AJ 160. *AJ 60, 70, and 74 combined: maximum UC credit, 1 course.

Degree Applicable, Credit Grading Option: GR

AJ 71 NARCOTICS & DRUG ENFORCEMENT 3 UNITS

Local, state, and federal narcotics problems and laws; application of investigative procedures and the work and method of special narcotics units; method of locating and apprehending violators; the use of informants and undercover persons. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AJ 74 GANGS AND DRUGS 3 UNITS

Definition of a gang and gang activity. Historical, cultural and ethnic/racial aspects. Interrelationships among local, national, and international gangs, including prison gangs. Gang activity in relation to drug trafficking. 54 hours lecture. Transfer: CSU, UC*. *AJ 60, 70 and, 74 combined: maximum UC credit, 1 course.

Degree Applicable, Credit Grading Option: OP

AJ 78 INTRODUCTION TO PROBATION AND PAROLE 3 UNITS

The history, evolution and current state of probation and parole in the United States, with an emphasis on the differences and similarities of both. Modern trends, such as the justice model, determinate sentencing, restorative justice, "broken windows" supervision, and intensive supervision in the adult and juvenile system are also examined. The course includes discussion of the community resources that can be brought to bear on the correctional task and the concept of shock probation. Designed for students interested in the field of law enforcement or probation/parole. Strongly Recommended: AJ 50 with a minimum grade of C. 54 hours lecture. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

AJ 79 HOMICIDE INVESTIGATION 3 UNITS

Process of analysis of all aspects of the death case in order to arrive at the true cause and manner of death, whether it is murder, suicide, accidental, or natural. Emphasis on the importance of the death scene related to the investigation of cause. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

AJ 88 THE POLICE AND HOLLYWOOD 3 UNITS

This course will explore the evolution of how American police have been depicted in movies and television since the silent era and the "Keystone Cops" to today's TV reality shows such as "Cops." This course will look at how the media influences public opinion about the police and how the police are influenced by their depiction in movies and TV. 54 hours lecture. Transfer: CSU; CSU GE: C2, D.

Degree Applicable, Credit Grading Option: OP

AJ 89 FAMILY VIOLENCE 3 UNITS

Origins of violence in the family from the administration of justice perspective. Specific types of violent interactions and abuse among family members. Emphasis on techniques for use by police officers to intervene effectively. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

AJ 9954 DEFENSIVE TACTICS 2.5 UNITS

INSTRUCTOR

Students will develop knowledge in practices and philosophy of use of force, basic principles and concepts of Arrest & Control and legal issues. Students will develop skills in course development, class planning, instructional techniques, and instructor liability for a defensive tactics program. Students will develop a basic lesson plan and teach assigned blocks of instruction in defensive tactics to other class participants. Students will demonstrate proficiency in the physical techniques of defensive tactics. Completion of this Defensive Tactics Instructor Course satisfies Regulation 1070 in the POST Administrative Manual. This course also satisfies the Arrest and Control perishable skills mandate. 27 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AJ 9965 INTERNAL AFFAIRS INVESTIGATIONS 1.5 UNITS

Designed to teach the student the proper investigative techniques into alleged misconduct by California peace officers, correctional officers and others in the employ of any California agency that employs peace officers. The student will learn the legal, ethical, moral and technical standards by which these investigations shall be conducted under state law and the discipline that may result from the outcome. This class is designed for POST certified peace officers who hold a minimum of a basic POST certificate or civilian police employees who have been designated by their respective agency as an IA investigator. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AJ 9969 FIREARMS INSTRUCTOR 2.5 UNITS

Designed to train individuals to be firearms instructors. Covers basic firearms knowledge, teaching techniques and lesson planning, range preparation, combat shooting techniques and safety. A California Peace Officer Standards and Training (POST) certified course designed for full-time peace officers. 27 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AJ 9979 BASIC POLICE CYCLIST 1.5 UNITS

A course designed for those newly assigned to bicycle patrol work. Covers basic cycling principles and skills, including riding in traffic, bicycle fitness, gear selection, basic maintenance, health and nutrition, emergency handling skills, hazard evasion, night riding, patrol tactics, legal issues, traffic laws and scenarios. This is a California Peace Officer Standards and Training (POST) certified course regular or reserve peace officers in federal, state, or local law enforcement. 18 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AJ 9980 RIFLE MARKSMANSHIP AND SNIPER/OBSERVER 2 UNITS

A course designed to provide the necessary rifle and tactical skills for the Sniper/Observer to function in support of high-risk law enforcement operations. Course content includes team missions, organization, marksmanship skills, field craft, ballistics, information collection, reporting procedures and tactical command post. This is a California Peace Officers Standards and Training (POST) certified

course designed for regular or reserve peace officers in federal, state, or local law enforcement and/or active duty military personnel. 27 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AJ 9982 PATROL RIFLE INSTRUCTOR 1.5 UNITS

Instruction and practical exercises focused on the specific needs of the rifle instructor. Includes the use and application of the rifle as it pertains to law enforcement and the skills to instruct others in its use and maintenance. A California Peace Officers Standards and Training (POST) certified course designed for full-time peace officers. 18 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AJ 9987 BASIC S.W.A.T. 2.5 UNITS

Introduces officers to basic weapons and tactical skills associated with the responsibilities of a SWAT team member. Training includes member selection and team make-up, keys to survival, introduction to tactical weapons and movement of fire, weapon retention and take away, tactical building searches, rappelling, incident management under SMEAC and liability issues. This is a California Peace Officer Standards and Training (POST) certified course designed for full-time peace officers approved for SWAT training for their agency. 27 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AJ 9988 ACADEMY ORIENTATION 0.5 UNITS

A 9 hour course that orients potential recruits to the academic, physical and mental rigors of the Alameda County Sheriff's POST Basic Training Academy. 9 hours lecture.

Degree Applicable, Credit Grading Option: P/NP

AJ 9995 FIREARMS/TACTICAL RIFLE 0.5 UNITS FOR THE FIRE RESPONDER

This course is designed to train individuals in the use of the patrol rifle or carbine. This course will enable the first responder an option now becoming the standard in Law Enforcement. Some of the topics covered are rifle safety, marksmanship, zeroing procedures, firing positions, ballistics, reloading drills, malfunction drills, proper use of the rifle sling, basic tactics, low light engagements, and cover. Each attendee will be required to demonstrate proper usage and safe handling of the rifle. This course is designed for full time sworn law enforcement and/or active duty military personnel and other Public Safety First Responders. 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AJ 9997 LAW ENFORCEMENT ACADEMY 29 UNITS

Basic concepts of law enforcement, covering investigation, procedures, records, laws, tactics, firearms, and public and human relations. The Law Enforcement Academy is certified by the Commission of Peace Officer Standards and Training (POST). Strongly Recommended: AJ 50 with a minimum grade of C and AJ 60 with a minimum grade of C and AJ 61 with a minimum grade of C and AJ 70 with a minimum grade of C or employment as a peace officer. 252 hours lecture, 810 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AJ 9998 POST BASIC SUPERVISORY 4.5 UNITS

This course will cover the basic theories of leadership as they apply to problem-solving. The principles of authority and command will also be explored; as will the concept of failure as it relates to organizational decision-making. Examples will be offered from various models of leadership, including historic leadership styles, command and control, and leadership roles. Problem-solving/ decision-making and strategic planning are current themes to be covered in the context of leadership. Prerequisite: AJ 9997 with a minimum grade of P or Possession of a Basic California POST Certificate. 81 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AMERICAN SIGN LANGUAGE

The American Sign Language (ASL) program provides an introduction to the language of the Deaf, the Deaf Community, and Deaf Culture. ASL classes emphasize conversational skills in functional situations and provide students an opportunity to explore, in a relaxed atmosphere, the language and culture of Deafness.

American Sign Language Courses (ASL)

ASL 1A AMERICAN SIGN LANGUAGE I 3 UNITS

Introduction to American Sign Language (ASL), including expressive and receptive skills, the manual alphabet, facial expression, and body gestures. Emphasis on conversational skills in functional situations, knowledge of Deaf culture and the Deaf community. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; IGETC: 6A.

Degree Applicable, Credit Grading Option: GR

ASL 1B AMERICAN SIGN LANGUAGE II 3 UNITS

Continued development of American Sign Language (ASL) receptive/ expressive skills and knowledge learned in ASL 1A. Emphasis on conversational skills in functional situations, continued vocabulary and sentence structure expansion, and knowledge of Deaf culture and the Deaf community. Prerequisite: ASL 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; IGETC: 6A.

Degree Applicable, Credit Grading Option: GR

ASL 2A AMERICAN SIGN LANGUAGE III 3 UNITS

Further development of American Sign Language (ASL) receptive/ expressive skills and knowledge learned in Sign Language 1B. Emphasis on conversational skills in functional situations, continued vocabulary expansion and knowledge of deaf culture and the deaf community. Prerequisite: ASL 1B with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B, 6A.

Degree Applicable, Credit Grading Option: GR

ASL 2B AMERICAN SIGN LANGUAGE IV 3 UNITS

Further development of American Sign Language (ASL) receptive/ expressive skills and knowledge learned in American Sign Language 2A. Emphasis on conversational skills in functional situations, continued expansion of vocabulary and knowledge of deaf culture and the deaf community. Prerequisite: ASL 2A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B, 6A.

Degree Applicable, Credit Grading Option: GR

ANTHROPOLOGY

Anthropology studies human beings from a holistic and cross-cultural perspective. Encompassing every aspect of human existence, the subject matter of anthropology is traditionally divided into four fields: physical or biological anthropology, social or cultural anthropology, linguistics, and archaeology. A comparative science, its concerns include human genetic, cultural, and linguistic variation. Anthropologists uncover the prehistory of humanity as they help us to understand the problems of today. They are advocates of multiculturalism because they appreciate cultural diversity, an attribute that prepares them well for navigating the complexities of the 21st century world.

Programs of Study

Degrees:

- AA-T – Anthropology

Career Opportunities

As modern technology and business practices dissolve borders across the globe, the demand for anthropologists grows. Anthropologists inform public policy, manage development projects and work in the Foreign Service. They carry out market research, conduct public relations and become journalists, urban planners, medical researchers and park rangers. Anthropologists reveal the story of the past through genetic and archaeological research; they also use forensic science to determine the truths of today. Their skill set is applicable across a diverse set of research, development and policy-making opportunities throughout the corporate, non-profit, government and military sectors.

AA-T – Anthropology

About the Degree

The Las Positas College Anthropology program offers courses that lead to an Associate in Arts in Anthropology for Transfer degree. The major requirements for the Associate in Arts in Anthropology for Transfer degree align with the Intersegmental Transfer Model Curriculum (TMC) for Anthropology. Students will have guaranteed admission to a California State University (CSU) campus upon successful completion of the program requirements. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals. General education requirements should be selected carefully based on the intended transfer institution.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education – Breath Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Program Outcomes

- Upon completion of the AA-T in Anthropology, the student will be able to explain why there is no biological validity to the concept of "race."
- Upon completion of the AA-T in Anthropology, students will be able to describe and discuss differing cultural practices using anthropological theories and terms.
- Upon completion of the AA-T in Anthropology, students will be able to describe and discuss the evolution and prehistory of human beings.
- Upon completion of the AA-T in Anthropology, students will be able to use the scientific method to test hypotheses and establish empirical facts.

Required Core: (9 Units)

ANTR 1 (Biological Anthropology).....	3
ANTR 2 (Introduction to Archaeology).....	3
ANTR 3 (Cultural Anthropology)	3

List A: Select One (3 Units)

ANTR 4 (Language and Culture)	3
ANTR 12 (Magic/Religion/Witchcraft/Healing)	3

List B: Select One to Two (4-8 Units)

Any List A course not already used.....	3
---	---

1. Science Methods

PSYC 25 (Research Methods) or	
SOC 13 (Research Methods).....	4

2. Sciences

GEOL 1 * (Physical Geology).....	3
and GEOL 1L * (Physical Geology Laboratory)	1
GEOG 15 (Introduction to GIS).....	3

List C: Select One (3-4 Units)

Any List A or B course not already used	3-4
ANTR 5 (Cultures of the U.S. in Global Perspective).....	3
ANTR 6 (Anthropology of Sex and Gender).....	3

ANTR 7 (Native American Cultures of North America)3
 ANTR 8 (World Prehistory In Archaeological Perspective)3
 ANTR 13 (Introduction to Forensic Anthropology)3
 ANTR 14 (Introduction to the Archaeological History of Mesoamerica).....3
 HIST 14 (History and American Cultures of California)3
 HIST 25 (American Indian History).....3
 PCN 13 (Multicultural Issues in Contemporary America)3
 PSYC 21 (Introduction to Cross-Cultural Psychology)3
 SOC 3 (Cultural and Racial Minorities)3

Total Units for the Major 19-24

Additional General Education and Elective Units36-41

Total Units 60

**Must be taken together and count as one course.*

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Anthropology Courses (ANTR)

ANTR 1 BIOLOGICAL ANTHROPOLOGY 3 UNITS

This course introduces the concepts, methods of inquiry, and scientific explanations for biological evolution and their application to the human species. Issues and topics will include, but are not limited to, genetics, evolutionary theory, human variation and biocultural adaptations, comparative primate anatomy and behavior, and the fossil evidence for human evolution. The scientific method serves as the foundation of the course. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B2, D1; IGETC: 4A, 5B; C-ID# ANTH 110.

Degree Applicable, Credit Grading Option: OP

ANTR 1L BIOLOGICAL ANTHROPOLOGY 1 UNIT LAB

This laboratory course is offered as a supplement to Introduction to Biological Anthropology either taken concurrently or in a subsequent term. Laboratory exercises are designed to introduce students to the scientific method and explore genetics, human variation, human and non-human primate anatomy and behavior, the primate/hominin fossil record and other resources to investigate processes that affect human evolution. Prerequisite: ANTR 1 with a minimum grade of C (may be taken concurrently). Strongly Recommended: Eligibility for ENG 1A. 54 hours laboratory. Transfer: CSU, UC; CSU GE: B3; IGETC: 5C; C-ID# ANTH 115 L.

Degree Applicable, Credit Grading Option: OP

ANTR 2 INTRODUCTION TO ARCHAEOLOGY 3 UNITS

This course is an introduction to the study of concepts, theories, data and models of anthropological archaeology that contribute to

our knowledge of the human past. The course includes a discussion of the nature of scientific inquiry; the history and interdisciplinary nature of archaeological research; dating techniques; methods of survey, excavation, analysis, and interpretation; cultural resource management; professional ethics; and selected cultural sequences. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D1; IGETC: 4A; C-ID# ANTH 150.

Degree Applicable, Credit Grading Option: OP

ANTR 2L ARCHAEOLOGY FIELD LAB 1 UNIT

This Archaeology Field Lab course offers hands-on field experience and artifact analysis. Students practice scientific archaeological recovery methods and techniques, including site planning, excavation, typology, cataloging, artifact recognition and reconstruction. In addition to gaining expertise in field research, students will examine and discuss techniques, tools and processes in cultural resource management. Prerequisite: ANTR 2 with a minimum grade of C (May be taken concurrently). 54 hours laboratory. Transfer: CSU, UC; CSU GE: B3; IGETC: 5C.

Degree Applicable, Credit Grading Option: OP

ANTR 3 CULTURAL ANTHROPOLOGY 3 UNITS

This course explores how anthropologists study and compare human cultures. Cultural anthropologists seek to understand the broad arc of human experience focusing on a set of central issues: how people around the world make their living (subsistence patterns); how they organize themselves socially, politically and economically; how they communicate; how they relate to each other through family and kinship ties; what they believe about the world (belief systems) themselves creatively (expressive culture); how they make distinctions among themselves such as through applying gender, racial and ethnic identity labels; how they have shaped and been shaped by social inequalities such as colonialism; and how they navigate culture change and processes of globalization that affect us all. Ethnographic case studies highlight these similarities and differences, and introduce students to how anthropologists do their work, employ professional anthropological research ethics and apply their perspectives and skills to understand humans around the globe. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D1; IGETC: 4A; C-ID# ANTH 120.

Degree Applicable, Credit Grading Option: OP

ANTR 4 LANGUAGE AND CULTURE 3 UNITS

This introductory course serves as a foundation for understanding language from an anthropological perspective, addressing such core questions as how, what, when, where, why and with whom we communicate. This course surveys three core areas in linguistic anthropology--structural linguistics: phonetics, phonology, morphology and syntax, as well as the biocultural basis of language; historical linguistics: origins and evolution/change, dialects, and language families; and sociocultural linguistics: language acquisition in cultural context, emphasizing the relationship between language and culture, and issues of language conservation and loss. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D1; IGETC: 4A; C-ID# ANTH 130.

Degree Applicable, Credit Grading Option: OP

ANTR 5 CULTURES OF THE U.S. IN GLOBAL PERSPECTIVE 3 UNITS

Issues relevant to understanding race, class, gender and ethnicity within the American setting. Historical as well as contemporary situation of the following groups: 1) African Americans; 2) Native Americans 3) Hispanic Americans; 4) European Americans; and, 5) Asian Americans, among other groups. Emphasis on analyzing the way that public understandings of culture and biology are translated into social policy. Contemporary social issues such as race relations, multiculturalism, affirmative action, bilingual education, and the use and abuse of I.Q. testing. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D1, D3; IGETC: 4A.

Degree Applicable, Credit Grading Option: OP

ANTR 6 ANTHROPOLOGY OF SEX AND GENDER 3 UNITS

Using research and theory from the fields of biology, cultural anthropology, linguistics, and archaeology, this course takes an anthropological approach to the study of sex and gender across cultures and throughout time. Topics include the cultural construction of gender, sex, and sexuality; the biological foundations of sex; and how gender difference relates to cultural practice. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

Degree Applicable, Credit Grading Option: OP

ANTR 7 NATIVE AMERICAN CULTURES OF NORTH AMERICA 3 UNITS

Survey of ways of life of traditional North American Indian cultures in different geographical areas throughout North America prior to European contact and continuing today. Topics include prehistory of Native American cultures, cultural change in response to European contact, current Native American socio-economic conditions, recent legislation including NAGPRA, social movements and cultural renewal. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

Degree Applicable, Credit Grading Option: OP

ANTR 8 WORLD PREHISTORY IN ARCHAEOLOGICAL PERSPECTIVE 3 UNITS

Survey of world prehistory as reconstructed through archaeological evidence. Topics include Paleolithic cultural practices from early tool use and mobile communities through settled living in complex agricultural societies to the establishment, rise and collapse of the first major civilizations in Africa, Asia, Europe, the Middle East, the Americas and Oceania. Subsistence, economic networks, social systems, power distributions, symbols and ideology will be discussed, as well as ecological effects of urbanization in the past. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

Degree Applicable, Credit Grading Option: OP

ANTR 12 MAGIC/ RELIGION/ WITCHCRAFT/ HEALING 3 UNITS

Cross-cultural perspectives on spirituality, religious practice, myth, ancestor beliefs, witchcraft and the variety of religious rituals and practitioners found in the cultures of the world. Examination of the cosmologies of different cultures through the anthropological

perspective. Emphasis is placed on how knowledge of the religious practices and beliefs of others can help us to understand the multicultural world in which we live. Comparison of the ways in which diverse cultures confront the large and fundamental questions of existence: those dealing with the meaning life, birth and death, and with the relationship of humans to each other and to their universe. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D1; IGETC: 4A.

Degree Applicable, Credit Grading Option: GR

ANTR 13 INTRODUCTION TO FORENSIC ANTHROPOLOGY 3 UNITS

Introductory course in the application of physical anthropology to the medico-legal process with an emphasis on the identification of human skeletal remains. Includes basic human osteology and odontology, assessment of age at time of death, sex, ancestry, trauma analysis, pathology, and general physical characteristics including height and weight based upon minimal skeletal remains. Estimation of time since death, crime scene analysis, animal scavenging, and identification procedures. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B2; IGETC: 5B.

Degree Applicable, Credit Grading Option: OP

ANTR 14 INTRODUCTION TO THE ARCHAEOLOGICAL HISTORY OF MESOAMERICA 3 UNITS

This course is an introduction to the Archaeological History of the Olmec, Maya, and Aztec. The course will explore how humans in the various ecologies of Mexico, Guatemala and Honduras shaped the cultural identity and material culture. From buildings to pottery the cultural phases of Mesoamerica will be explored. The course will include methods of Archaeological dating and Archaeological Theory to examine cultural changes and growing complexity from the pre-historic to Spanish contact in Mesoamerica. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU.

Degree Applicable, Credit Grading Option: GR

ANTR 29A INDEPENDENT STUDY, CULTURAL ANTHROPOLOGY 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

Grading Option: GR

ANTR 29B INDEPENDENT STUDY, BIOLOGICAL ANTHROPOLOGY 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

Grading Option: GR

ANTR 29C INDEPENDENT STUDY, ARCHAEOLOGY/ PREHISTORY 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

Grading Option: GR

**ANTR 29D INDEPENDENT STUDY, 0.5-2 UNITS
LINGUISTIC ANTHROPOLOGY**

For course information, see "Independent Studies". 27-108 hours laboratory.

Grading Option: GR

ART

Art and technology are the yardsticks of civilization. In the case of visual art, ideas are conveyed through images and objects. Our program is designed to make the visual artist an effective communicator. Through a variety of courses offered, student artists learn how great drawings, paintings, designs, and sculpture are made. In addition, the human condition requires us to create. We have a need to express ourselves through visual media, doing so is as old as human culture itself. With a stronger understanding of art, we are more able to contribute to the art world at large, and express our ideas visually.

Programs of Study

Degrees:

- AA-T - Studio Art
- AA - Art: Emphasis in Painting

Career Opportunities

The art world has a vast number of opportunities ranging from jobs and careers in the private sector to self-made opportunities as a fine artist. Our program offers courses that could lead to a career in fine art, concept art, illustration, comic books, graphic design, architecture, industrial design, art history, art criticism, and animation.

AA-T – Studio Arts

About the Degree

This Associate in Arts in Studio Arts for Transfer degree is designed to prepare students for transfer to a CSU institution to continue their studies toward earning a B.A. in Art or Studio Arts. The students who earn a Studio Arts AA-T degree will have an understanding of art and design concepts, the ability to communicate using visual media, and will possess a portfolio of work reflecting their knowledge, techniques, and creativity gained during the course of study.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education - Breadth Requirements.

- b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Program Outcomes

- Upon completion of the AA-T in Studio Arts, students will be able to apply the basic principles of observational drawing and how to develop illusionary spatial constructions.
- Upon completion of the AA-T in Studio Arts, students will be able to apply the principles and concepts of design.
- Upon completion of the AA-T in Studio Arts, students will be able to demonstrate critical thinking as it applies to critique, evaluation and/or production of works of art.
- Upon completion of the AA-T in Studio Arts, students will be able to demonstrate knowledge of the science of color perception and how it can be utilized in the creation of works of art.

Required Core: (12 Units)

ARHS 5 (Western Art History - Renaissance to Contemporary)	3
ARTS 2A (Introduction to Drawing)	3
ARTS 23 (2-D Design).....	3
ARTS 24 (3-D Design).....	3

List A: Select One (3 Units)

ARHS 4 (Western Art History - Ancient to Medieval)	3
ARHS 8 (Asian Art History)	3

List B: Select One Course from Three Curricular Areas (9 Units)

Ceramics

ARTS 4A (Introduction to Ceramics)	3
--	---

Color

ARTS 26 (Color Theory)	3
------------------------------	---

Digital Art

GDDM 50 (Graphic Design/Digital Media Fundamentals)	3
---	---

Drawing

ARTS 2B (Drawing and Composition)	3
ARTS 3A (Figure and Composition I)	3

Painting

ARTS 7A (Introduction to Watercolor Painting).....	3
ARTS 12A (Oil/Acrylic Painting: Beginning I).....	3
ARTS 13A (Acrylic Painting: Beginning I)	3

Photography

PHTO 50 (Introduction to Photography)	3
---	---

Second Semester

ARTS 12B (Oil/Acrylic Painting: Beginning II) 3
 ARTS 13B (Acrylic Painting: Beginning II) 3

Total Units for the Major 24

Additional General Education and Elective Units 36

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Art: Emphasis in Painting

About the Degree

The AA in Art: Emphasis in Painting provides students with broad exposure to art courses, allowing students to explore and refine their studio arts practice. This degree is designed for art majors in addition to those who are pursuing an arts education for its own merit.

Program Outcomes

- Upon completion of the AA in Art: Emphasis in Painting, the student should be able to apply creative thinking through the production of original artworks.
- Upon completion of the AA in Art: Emphasis in Painting, the student should be able to apply the principles of visual design for the communication and expression of ideas.
- Upon completion of the AA in Art: Emphasis in Painting, the student should be able to create works of art that synthesize quality technical execution with content and concept.
- Upon completion of the AA in Art: Emphasis in Painting, the student should be able to demonstrate technical proficiency in use of art media, tools, processes and technology.

Required Core: (27 Units)

ARHS 1 (Introduction to Art History) 3
 ARHS 4 (Western Art History - Ancient to Medieval) 3
 ARHS 5 (Western Art History - Renaissance to Contemporary) 3
 ARTS 2A (Introduction to Drawing) 3
 ARTS 3A (Figure and Composition I) 3
 ARTS 7A (Introduction to Watercolor Painting) 3
 ARTS 12A (Oil/Acrylic Painting: Beginning I) 3
 ARTS 23 (2-D Design) 3
 ARTS 24 (3-D Design) 3

List A: Select Three (9 Units)

ARHS 6 (Museum & Gallery Techniques) 3
 ARTS 2B (Drawing and Composition) 3
 ARTS 3B (Figure and Composition II) 3
 ARTS 7B (Watercolor Painting) 3

ARTS 12B (Oil/Acrylic Painting: Beginning II) 3
 ARTS 13B (Acrylic Painting: Beginning II) 3

Total Units for the Major 36

Additional General Education and Elective Units 24

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Art Courses (ARTS)

ARTS 2A INTRODUCTION TO DRAWING 3 UNITS

Introduction to principles, elements, and practices of drawing, employing a wide range of subject matter and drawing media. Focus on perceptually based drawing, observational skills, technical abilities, and creative responses to materials and subject matter. 27 hours lecture, 81 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; C-ID# ARTS 110.

Degree Applicable, Credit Grading Option: OP

ARTS 2B DRAWING AND COMPOSITION 3 UNITS

Exploration of artistic concepts, styles, and creative expression related to intermediate-level drawing, focusing on complex subject matter and concepts using a variety of drawing mediums, techniques, and methodologies. Students in this course will build on fundamental drawing skills to develop personalized approaches to content and materials in exercises covering multiple historical and contemporary approaches to drawing. Prerequisite: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC; C-ID# ARTS 205.

Degree Applicable, Credit Grading Option: OP

ARTS 3A FIGURE AND COMPOSITION I 3 UNITS

Introduction to drawing the human figure from observation using a wide variety of drawing media and techniques. Topics include an introduction to human anatomy and the historical and contemporary roles of figure drawing in the visual arts. Students in this course will learn both descriptive and interpretive approaches to drawing the figure. Strongly Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC; CSU GE: C1; C-ID# ARTS 200.

Degree Applicable, Credit Grading Option: OP

ARTS 3B FIGURE AND COMPOSITION II 3 UNITS

Development of knowledge and skills introduced in Arts 3A, with an emphasis on composition, color, and drawing the human figure from observation using a wide variety of drawing media and techniques. Topics include human anatomy and the historical and contemporary roles of figure drawing in the visual arts. Students in this course will learn both descriptive and interpretive approaches to drawing the figure. Prerequisite: ARTS 3A with a minimum grade of C. Strongly

Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 3C FIGURE AND COMPOSITION III 3 UNITS

Advanced application of knowledge and skills introduced in Arts 3B, with emphasis on composition and drawing the human figure from observation using a wide variety of drawing media and techniques. Topics include human anatomy and the historical and contemporary roles of figure drawing in the visual arts. Students in this course will start to utilize personal approaches and media to drawing the figure. Prerequisite: ARTS 3B with a minimum grade of C. Strongly Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 3D FIGURE AND COMPOSITION IV 3 UNITS

Advanced application of knowledge and skills introduced in Arts 3C with further development of personal style. Topics include human anatomy and the historical and contemporary roles of figure drawing in the visual arts. Students in this course will learn both descriptive and interpretive approaches to drawing the figure. Prerequisite: ARTS 3C with a minimum grade of C. Strongly Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 4A INTRODUCTION TO CERAMICS 3 UNITS

Introduction to ceramics materials, concepts, and processes including basic design principles, creative development, hand-building, throwing, glaze techniques, firing and ceramic terminology. The course covers aesthetics and creative development of clay objects examining historical, contemporary, and personal modes of expression across cultures. 27 hours lecture, 81 hours laboratory. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 7A INTRODUCTION TO WATERCOLOR PAINTING 3 UNITS

Introduction to principles, elements, and practices of watercolor painting. Focus on exploration of painting materials, perceptual skills and color theory, paint mixing and technique, as well as creative responses to materials and subject matter. Strongly Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC; C-ID# ARTS 210.

Degree Applicable, Credit Grading Option: OP

ARTS 7B WATERCOLOR PAINTING 3 UNITS

Development of knowledge and skills introduced in Arts 7A with an emphasis on experimenting with the watercolor medium, perceptual skills and color theory, paint mixing and technique, as well as creative responses to materials and subject matter. Prerequisite: ARTS 7A with a minimum grade of C. Strongly Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 7C ADVANCED WATERCOLOR PAINTING I 3 UNITS

Development of knowledge and skills introduced in 7B directed towards individual needs with an emphasis on individual expression. Prerequisite: ARTS 7B with a minimum grade of C. Strongly Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 7D ADVANCED WATERCOLOR PAINTING II 3 UNITS

Advanced projects in watercolor painting with emphasis on demonstrating functional competence and an intellectual understanding of personal ideas. Further development of knowledge and skills introduced in 7C directed towards individualized needs. Prerequisite: ARTS 7C with a minimum grade of C. Strongly Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 10 DESIGN AND MATERIALS 3 UNITS

Introduction to the basic elements of design: line, texture, value, shape, color, light, and spatial concepts. Experimentation with paper, cardboard, cloth, etc. Emphasis on two-dimensional design. 27 hours lecture, 81 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: C1.

Degree Applicable, Credit Grading Option: OP

ARTS 12A OIL/ACRYLIC PAINTING: BEGINNING I 3 UNITS

Introduction to painting using oil or acrylic paints. Students will apply the principles and elements of design, in addition to color theory, to their own paintings. Students will make studies from observation, study works by the masters, and learn to express their own ideas through painting. Strongly Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC; C-ID# ARTS 210.

Degree Applicable, Credit Grading Option: OP

ARTS 12B OIL/ACRYLIC PAINTING: BEGINNING II 3 UNITS

Second level course in painting using oil or acrylic paints. With the skills and knowledge gained in ARTS 12A, students will apply the principles and elements of design, in addition to color theory, to their own paintings. Students will make intermediate level studies from observation, study works by the masters, and learn to express their own ideas through painting. Prerequisite: ARTS 12A with a minimum grade of C. Strongly Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 12C OIL/ACRYLIC PAINTING: ADVANCED I 3 UNITS

Advanced projects in oil or acrylic painting with an emphasis on individual creative work and development of personal ideas and

style. Prerequisite: ARTS 12B with a minimum grade of C. Strongly Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 12D OIL/ACRYLIC PAINTING: 3 UNITS
ADVANCED II

Advanced projects in oil or acrylic painting with emphasis on developing ideas, skills, and knowledge. Students hone their painting through practice and critique; this course requires self direction. Prerequisite: ARTS 12C with a minimum grade of C. Strongly Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 13A ACRYLIC PAINTING: 3 UNITS
BEGINNING I

Introduction to painting using acrylic paints. Students will apply the principles and elements of design, in addition to color theory, to their own paintings. Students will make studies from observation, study works by the masters, and learn to express their own ideas through painting. Strongly Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC; C-ID# ARTS 210.

Degree Applicable, Credit Grading Option: OP

ARTS 13B ACRYLIC PAINTING: 3 UNITS
BEGINNING II

Second level course in painting using acrylic paints. With the skills and knowledge gained in ARTS 13A, students will apply the principles and elements of design, in addition to color theory, to their own paintings. Students will make intermediate level studies from observation, study works by the masters, and learn to express their own ideas through painting. Prerequisite: ARTS 13A with a minimum grade of C. Strongly Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 13C ACRYLIC PAINTING: 3 UNITS
ADVANCED I

Advanced projects in acrylic painting with an emphasis on individual creative work and development of personal ideas and style. Prerequisite: ARTS 13B with a minimum grade of C. Strongly Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 13D ACRYLIC PAINTING: 3 UNITS
ADVANCED II

Advanced projects in acrylic painting with emphasis on developing ideas, skills, and knowledge. Students hone their painting through practice and critique; this course requires self direction. Prerequisite: ARTS 13C with a minimum grade of C. Strongly Recommended: ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 23 2-D DESIGN 3 UNITS

Introduction to the concepts, applications, and historical references related to 2-dimensional art and composition. Topics include the basic principles and elements of design. In this course, students will develop their visual vocabulary for creative visual expression through lectures and problem solving studio projects. Students explore aspects of 2-D Design through visual art assignments. 27 hours lecture, 81 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID# ARTS 100.

Degree Applicable, Credit Grading Option: OP

ARTS 24 3-D DESIGN 3 UNITS

Introduction to the concepts, applications, and historical references related to 3-dimensional design and spatial composition, including the study of the elements and organizing principles of design as they apply to 3-dimensional space and form. Development of a visual vocabulary for creative expression through lecture presentations and use of appropriate materials for 3-dimensional studio projects. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC; C-ID# ARTS 101.

Degree Applicable, Credit Grading Option: OP

ARTS 26 COLOR THEORY 3 UNITS

This course is an introduction to the characteristics of color. Major color theorists will be presented such as Itten and Albers. Assignments will include creative application of color theory in various media. Students will learn all aspects of pigment mixing and color interaction through use of paint and colored papers. Development of a visual vocabulary for creative expression will be developed. Instruction will occur through Lecture presentations, studio projects, and written assignments. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC; C-ID# ARTS 270.

Degree Applicable, Credit Grading Option: OP

ARTS 29 INDEPENDENT STUDY, 0.5-2 UNITS
STUDIO ARTS

For course information, see "Independent Studies". 27-108 hours laboratory.

Grading Option: GR

ART HISTORY

Art History helps us to decipher the language of art so that we can uncover the stories of our past and present. The Art History program is designed to prepare students with the skills and knowledge to engage with artwork from around the world and across time. We offer courses in Western art history, Non-Western art history, and Museum and Gallery Studies. Our program also prepares students to transfer as Art History major at a four-year institution.

Programs of Study

Degrees:

- AA-T - Art History

Career Opportunities

The program prepares students for careers in the art world and beyond. Students may pursue jobs in education, arts organizations, or the private sector. Possible job opportunities include: gallery owner, art consultant, curator, and arts educator. In addition, the skills learned in the program, such as creative thinking, research and writing skills, and collaboration are in demand job skills that can be transferred to a variety of job fields.

AA-T – Art History

About the Degree

The Associate in Arts in Art History for Transfer is designed for prospective California State University (CSU) transfer students who are preparing for careers in the field of Art History. Completion of the Art History Transfer degree will provide a streamlined pathway for transfer to a CSU campus with a Art History or similar major. Students should consult with a counselor to determine whether or not this degree is the best option for their transfer goals. General education requirements should be selected carefully based on the intended transfer institution; please see a counselor for details if you are pursuing transfer to the UC system.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education - Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Program Outcomes

- Upon completion of the AA-T in Art History, students will be able to recognize art's relationship to geography, cultural ideologies, and historical periods.
- Upon completion of the AA-T in Art History, students will be able to identify and evaluate art historical styles, movements, and concepts.
- Upon completion of the AA-T in Art History, students will be able to research and analyze visual artwork using interdisciplinary theories and methods.
- Upon completion of the AA-T in Art History, students will be able to evaluate the artwork from different cultures and art historical periods.
- Upon completion of the AA-T in Art History, students will be able to communicate concepts and ideas effectively through written, oral, and digital media.

Required Core: (9 Units)

ARHS 4 (Western Art History - Ancient to Medieval)	3
ARHS 5 (Western Art History - Renaissance to Contemporary)	3
ARTS 2A (Introduction to Drawing)	3

List A: Select One (3 Units)

ARHS 2 (Art of the Ancient Americas)	3
ARHS 8 (Asian Art History)	3

List B: Select One (3 Units)

ARTS 2B (Drawing and Composition)	3
ARTS 3A (Figure and Composition I)	3
ARTS 4A (Introduction to Ceramics)	3
ARTS 7A (Introduction to Watercolor Painting).....	3
ARTS 10 (Design and Materials).....	3
ARTS 12A (Oil/Acrylic Painting: Beginning I).....	3
ARTS 13A (Acrylic Painting: Beginning I)	3
ARTS 23 (2-D Design).....	3
ARTS 24 (3-D Design).....	3
GDDM 50 (Graphic Design/Digital Media Fundamentals)	3
PHTO 50 (Introduction to Photography)	3
PHTO 60 (Intermediate Black and White Photography)	3

List C: Select One (3 Units)

Any List A or B course not already used	3
ARHS 6 (Museum & Gallery Techniques)	3
ARHS 7 (Modern Art History)	3

Total Units for the Major 18

Additional General Education and Elective Units 42

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary

to achieve your academic goal.

Recommended Electives: ANTR 3, 5, 7, 8, 12; ECE 79; FREN 2A, 2B; HIST 1, 2, 7, 8, 14, 25, 28, 32; HUMN 3, 4, 6, 7, 10, 28, 44; PHIL 1, 1H, 2, 2H, 3, 4, 5; RELS 1, 2, 3, 11; SPAN 2A, 2B, 22; WMST 2

Art History Courses (ARHS)

ARHS 1 INTRODUCTION TO ART HISTORY 3 UNITS

Architecture, sculpture, painting, photography and design in relation to human inventiveness in providing for material and aesthetic needs. This course provides a general introduction to art that offers a look at works of art through the study of theory, terminology, themes, design principles, media, techniques, with an introduction to the visual arts across time and diverse cultures. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

Degree Applicable, Credit Grading Option: OP

ARHS 2 ART OF THE ANCIENT AMERICAS 3 UNITS

Survey of visual culture within the historical context of select ancient civilizations in Mexico, Central American, and South America up to European contact. Strongly Recommended: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARHS 4 WESTERN ART HISTORY - ANCIENT TO MEDIEVAL 3 UNITS

History of Western art from prehistoric times through Egyptian, Mesopotamian, Aegean, Greek, Etruscan, Roman, Early Christian, Byzantine, Medieval, Romanesque, and Gothic civilizations. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A; C-ID# ARTH 110.

Degree Applicable, Credit Grading Option: OP

ARHS 5 WESTERN ART HISTORY - RENAISSANCE TO CONTEMPORARY 3 UNITS

History of Western art from Early Renaissance, High Renaissance, Mannerism, Baroque, Neoclassicism, Romanticism, Realism, Impressionism, Post-Impressionism, 20th Century developments of American art 21st century Globalism. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

Degree Applicable, Credit Grading Option: OP

ARHS 6 MUSEUM & GALLERY TECHNIQUES 3 UNITS

An examination of the methodology and technique of displaying visual art within a museum/gallery space. Opportunities to meet artists from the Bay Area and beyond, learn the meaning behind their artwork, and gain hands-on practice in a range of activities

covering the presentation, handling, and security of original artwork in the LPC Center for the Arts Gallery. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

ARHS 7 MODERN ART HISTORY 3 UNITS

Presents an overview of the art movements, artists and issues of Modernism to Contemporary art. This includes art from the mid-nineteenth century, through the twentieth century and contemporary art. Incorporates the social, political, and aesthetic context of the time. Strongly Recommended: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

Degree Applicable, Credit Grading Option: OP

ARHS 8 ASIAN ART HISTORY 3 UNITS

Asian art history surveys the arts of India, China, Korea, and Japan. The architecture, painting, sculpture, and other arts are examined within their religious and social contexts. Strongly Recommended: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ASTRONOMY

Astronomy is the scientific study of celestial phenomena, including the solar system, stars, extra-solar planets, galaxies, and the evolution of the Universe. The Las Positas College astronomy program includes general education lecture and lab courses aimed at non-science majors. Students wishing to pursue a bachelor's degree in astronomy or astrophysics should complete an AS in Physics, and begin their coursework in astrophysics after transferring to a four-year institution.

Astronomy Courses (ASTR)

ASTR 10 INTRODUCTION TO ASTRONOMY: THE SOLAR SYSTEM 3 UNITS

Introduction to history and physical principles of astronomy, focusing on our Solar System. Includes: constellations; distance scales; historical development of astronomy; gravitation; motion of the Earth, Moon, and Planets; astronomical tools; formation and evolution of the solar system; physical properties, atmosphere, and evolution of the Earth, Moon, and planets within the solar system; asteroids, comets, and other small bodies; discovery of extra-solar planets; possibilities for life beyond Earth. Designed for non-majors in mathematics or a physical science. A companion science lab, Astronomy 30L, is also available. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1; IGETC: 5A.

Degree Applicable, Credit Grading Option: OP

ASTR 20 INTRODUCTION TO ASTRONOMY: STARS AND THE UNIVERSE 3 UNITS

Introduction to the study of stars, galaxies, and cosmology. Includes the nature of light and matter, telescopes, spectroscopy, stellar formation and evolution, galaxies, quasars, and cosmology. Designed for non-majors in mathematics or a physical science. A companion science lab, Astronomy 30L, is also available. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1; IGETC: 5A.

Degree Applicable, Credit Grading Option: OP

**ASTR 29 INDEPENDENT STUDY, 0.5-2 UNITS
ASTRONOMY**

For course information, see "Independent Studies". 27-108 hours laboratory.

Grading Option: GR

**ASTR 30L INTRODUCTION TO 1 UNIT
ASTRONOMY LAB**

Introduction to laboratory principles and techniques in astronomy. Includes: observational techniques such as naked eye, binocular, and telescopic identification of stars, planets, constellations, and deep sky objects; telescope operation and imaging; spectroscopy, motions of the sun, moon and planets. Prerequisite: ASTR 10 with a minimum grade of C (May be taken concurrently) or ASTR 20 minimum grade of C (May be taken concurrently). 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B3; IGETC: 5A.

Degree Applicable, Credit Grading Option: OP

AUTOMOTIVE TECHNOLOGY

Automotive technicians are in high demand in California and throughout the U.S., but there is a lack of trained professionals to meet this demand. This shortage of well-trained technicians has been caused by advances in computerized engine controls, evolving emissions regulations, and development of alternative technologies driven by the ever-escalating cost of fuel. The Las Positas College Automotive Technology program can provide the skills necessary to qualify as trained entry-level technicians, as well as for career advancement. Students work side by side and hands-on with industry professionals in a fully equipped and up-to-date facility.

Programs of Study

Degrees:

- AS – Automotive Electronics Technology

Certificates of Achievement:

- Automotive Chassis
- Automotive Drivability

Career Opportunities

Las Positas College offers both the Associate degree and Certificate programs designed for direct job entry, which will give the student a thorough and complete knowledge of the basics of the modern automobile. These programs are for technical career majors. The Las Positas College Automotive program also provides training and services in a variety of programs in addition to regular classes: industry-standard training for General Motors, AC Delco, KIA, ICar and other manufacturers; Automotive Apprenticeship; Smog Certification; Alternative Fuels; State of California Bureau of Automotive Repair Smog Inspection Referee and Training Program. These additional programs provide our students with numerous opportunities for industry exposure. Career opportunities include Teaching, Automotive Technician, Automotive Parts Personnel, Automotive Management, Shop Owners, and Automotive Performance Personnel. More information can be found at:

<http://www.laspositascollege.edu/UTO/index.php>

AS – Automotive Electronics Technology

About the Degree

The LPC Automotive Electronics Technology degree can provide the skills necessary for students to qualify as trained entry-level technicians, as well as for career advancement. Students work side-by-side and hands-on with industry professionals in a fully equipped and up-to-date facility.

Program Outcomes

- Upon completion of the AS in Automotive Electronics Technology, the student should be able to follow safety guidelines while employed in an automotive related job.
- Upon completion of the AS in Automotive Electronics Technology, the student should be able to use automotive knowledge to diagnose various automotive concerns.

Required Core: (36 Units)

AUTO LABA (Automotive Lab)	2
AUTO A1 (Engine Repair).....	4
AUTO A2 (Automatic Transmission/Transaxle).....	4
AUTO A3 (Manual Drive Train and Axles).....	4
AUTO A4 (Suspension and Steering).....	4
AUTO A5 (Brakes).....	4
AUTO A6 (Electrical/Electronic Systems)	5
AUTO A7 (Automotive Heating and Air Conditioning)	4
AUTO A8 (Engine Performance)	5

List A: Select One (5 Units)

AUTO L1 (Advanced Engine Performance)	5
AUTO SDR (Specified Diagnostic and Repair).....	5

Program-Based GE: Select One (3 Units)

CMST 1 (Fundamentals of Public Speaking)	3
CMST 10 (Interpersonal Communication).....	3

Total Units for the Major 41

Additional General Education and Elective Units..... 16

Total Units 60

See the Las Positas College General Education Pattern for Associate of Science Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Automotive Chassis

About the Certificate

The LPC Automotive Certificates can provide the skills necessary for students to qualify as trained entry-level technicians, as well as for career advancement. Students work side-by-side and hands-on with industry professionals in a fully equipped and up-to-date facility.

Program Outcomes

- Upon completion of the Certificate of Achievement in Automotive Chassis, the student should be able to follow safety guidelines while employed in an automotive related job.
- Upon completion of the Certificate of Achievement in Automotive Chassis, the student should be able to use automotive knowledge to diagnose various automotive concerns.

Required Core: (23 Units)

AUTO INTR (Automotive Service and Introduction).....	4
AUTO LABA (Automotive Lab)	2
AUTO A4 (Suspension and Steering).....	4
AUTO A5 (Brakes).....	4
AUTO A6 (Electrical/Electronic Systems)	5
AUTO A7 (Automotive Heating and Air Conditioning)	4

Total Units 23

Certificate of Achievement Automotive Drivability

About the Certificate

The LPC Automotive Certificates can provide the skills necessary for students to qualify as trained entry-level technicians, as well as for career advancement. Students work side-by-side and hands-on with industry professionals in a fully equipped and up-to-date facility.

Program Outcomes

- Upon completion of the Certificate of Achievement in Automotive Drivability, the student should be able to use automotive knowledge to diagnose various automotive concerns.
- Upon completion of the Certificate of Achievement in Automotive Drivability, the student should be able to follow safety guidelines while employed in an automotive related job.

Required Core: (29 Units)

AUTO INTR (Automotive Service and Introduction).....	4
AUTO LABA (Automotive Lab)	2
AUTO A1 (Engine Repair).....	4
AUTO A6 (Electrical/Electronic Systems)	5
AUTO A8 (Engine Performance)	5
AUTO L1 (Advanced Engine Performance).....	5
AUTO L3 (Light Duty Hybrid/Electric Vehicles).....	4

Total Units 29

Automotive Technology Courses (AUTO)

AUTO A1 ENGINE REPAIR 4 UNITS

An in depth study of engines: mechanical, measurement, and assembly. A study of the above mentioned components including theory, teardown, evaluate, qualifying, and rebuilding. This class' emphasis is on engines. Students are encouraged to enroll in Automotive Lab concurrently. Prerequisite: AUTO INTR with a minimum grade of C (May be taken concurrently). 36 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AUTO A2 AUTOMATIC TRANSMISSION/ TRANSAXLE 4 UNITS

An in depth study of engine, transmission, transaxles: mechanical,

measurement, and assembly. An in-depth study of the above mentioned components including theory, teardown, evaluate, qualifying, and rebuilding. Students are encouraged to enroll in Automotive Lab concurrently. Prerequisite: AUTO INTR with a minimum grade of C (May be taken concurrently). 36 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AUTO A3 MANUAL DRIVE TRAIN AND AXLES 4 UNITS

An in-depth study of rear axle, front axle, and transfer cases: mechanical, measurement, and assembly. Including theory, teardown, qualifying, and rebuilding. Students are encouraged to enroll in Automotive Lab concurrently. Prerequisite: AUTO INTR with a minimum grade of C (May be taken concurrently). 36 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AUTO A4 SUSPENSION AND STEERING 4 UNITS

Diagnosis, evaluation, testing, adjustment, alignment and repair of steering and suspension systems. Including all common automotive steering and suspension systems both car and truck. Future systems will also be covered. Students are strongly recommended to enroll in Automotive Lab concurrently. Prerequisite: AUTO INTR with a minimum grade of C (May be taken concurrently). 36 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AUTO A5 BRAKES 4 UNITS

Diagnosis, evaluation, inspection, adjustment, and repair of braking, antilock braking systems, traction control and related devices. Class will involve California State law regarding brake and safety inspections. Includes the material on the California Brake Adjuster's Licensing Examination. Students are strongly recommended to enroll in Automotive Lab concurrently. Prerequisite: AUTO INTR with a minimum grade of C (May be taken concurrently). 36 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AUTO A6 ELECTRICAL/ELECTRONIC SYSTEMS 5 UNITS

Automotive electrical/electronic systems, including electrical circuits, ohms law, battery, starting, charging, ignition, fuel, accessories, brakes, chassis, suspension, steering, HVAC and wiring systems. Emphasis on diagnosis of electrical troubles, assembly, and repair of components and diagnostic equipment usage. Students are strongly recommended to enroll in Automotive Lab concurrently. Prerequisite: AUTO INTR with a minimum grade of C (May be taken concurrently). 54 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AUTO A7 AUTOMOTIVE HEATING AND AIR CONDITIONING 4 UNITS

Diagnosing, evaluation, testing, adjustment, and repair of heating, ventilation and air conditioning (HVAC). Includes heat and energy, psychometrics, air flow, refrigerant recycling, equipment and

controls. Student will be prepared to pass a nationally recognized HVAC certificate program, required by all California HVAC repair shops. Students are strongly recommended to enroll in Automotive Lab concurrently. Prerequisite: AUTO INTR with a minimum grade of C (May be taken concurrently). 36 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AUTO A8 ENGINE PERFORMANCE 5 UNITS

Principles of automotive fuel induction, ignition and emission control systems, including inspection, diagnosis and repair of fuel and emission control systems/components governed by federal and state laws and standards. Electrical diagnosis of emission control systems. Relation of chassis and body systems to emissions. Students are strongly recommended to enroll in Automotive Lab concurrently. Prerequisite: AUTO INTR with a minimum grade of C (May be taken concurrently). 54 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AUTO A9 LIGHT VEHICLE DIESEL ENGINE 4 UNITS

An in depth study of diesel engines: mechanical, measurement, and assembly. A study of the above mentioned components including theory, teardown, evaluate, qualifying, and rebuilding. Diesel engine performance including emissions, turbos, exhaust and intake systems. This class' emphasis is on diesel engines and diesel engine performance/emissions. Students are encouraged to enroll in Automotive Lab concurrently. Prerequisite: AUTO INTR with a minimum grade of C (may be taken concurrently). 36 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AUTO C1 AUTOMOBILE SERVICE CONSULTANT 4 UNITS

Automotive Service Consultant fundamentals including: Communications, customer service, legal documents, business interactions, billing, parts and labor guides, shop management applications, shop operations, sales, vehicle identification and systems operations. Course content is aligned with tasks identified by Automotive Service Excellence (ASE) certification. Student is advised to take Auto LABA concurrently. Prerequisite: AUTO INTR with a minimum grade of C (may be taken concurrently). 45 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AUTO INTR AUTOMOTIVE SERVICE AND INTRODUCTION 4 UNITS

Bumper-to-Bumper Automotive Knowledge. Starting with hazardous waste handling, tool identification, maintenance and lubrication, moving into engine mechanical, emissions controls, suspension systems, air conditioning, air bags and safety, transmissions, axels, and finishing off with the future of the automotive industry. This is an introductory class for people who want to know more about their vehicle or who are planning an automotive career. 36 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AUTO LABA AUTOMOTIVE LAB 2 UNITS

Automotive Lab is an open laboratory class for basic automotive students. This class is for students desiring to expand their hands-on experience using their own vehicle. Instructor will provide technical and supervisory support to guide students in completion of their self initiated projects. Service information via computer service manuals will be available for students to use for vehicle information and research. Prerequisite: AUTO INTR with a minimum grade of C (May be taken concurrently). 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**AUTO LABB AUTOMOTIVE LAB 2 UNITS
ADVANCED**

Automotive Lab Advanced is an open laboratory class for advanced automotive students. This class is for students desiring to expand their hands-on experience using their own vehicle. Instructor will provide technical and supervisory support to guide students in completion of their self initiated projects. Students are expected to help others in class and be able to work without guidance. Service information via computer service manuals will be available for students to use for vehicle information and research. Class is recommended for second year students only. Prerequisite: AUTO LABA with a minimum grade of C and AUTO INTR with a minimum grade of C. 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**AUTO L1 ADVANCED ENGINE 5 UNITS
PERFORMANCE**

Continuation of Automotive Technology A6 and A8 with an emphasis on diagnosis of electronic problems including computer controlled circuits/systems using schematics, diagnostic procedures and equipment. Students are strongly recommended to enroll in Automotive Lab concurrently. Prerequisite: AUTO A6 with a minimum grade of C (may be taken concurrently) or AUTO A8 minimum grade of C (may be taken concurrently). 54 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**AUTO L1L2 SMOG LEVEL ONE AND 5.5 UNITS
LEVEL TWO**

This class includes classes/modules the State of California requires for a student/automotive technician to be prepared to take their Smog License Test. This class will include Level One and Level Two smog training only. At the end of the class students may or may not qualify for either EI or EO smog license, See www.smogcheck.ca.gov for more information. 90 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**AUTO L3 LIGHT DUTY HYBRID/ 4 UNITS
ELECTRICAL VEHICLES**

A study in the history, current and future of alternative fuels, hybrids and electric vehicles in the automotive industry. Emphasis in shop safety, hazardous waste handling, high voltage electrical

precautions, basic engine construction of hybrids, battery storage systems, fuel storage systems, compressed natural gas, liquid propane gas, bio-diesel and hydrogen cell technology. Students are strongly recommended to enroll in Automotive Lab concurrently. Prerequisite: AUTO INTR with a minimum grade of C (May be taken concurrently). 36 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**AUTO P1 POWERTRAINS: 4 UNITS
MODIFICATIONS FOR PERFORMANCE**

An in-depth study of engine and transmission modifications made in order to improve performance. This class will explain the differences in laws governing vehicles in all fifty states including those registered in California; how to improve performance legally; and the penalties of breaking the law. Students will learn to calculate the benefit versus cost of bolt-on performance products and major engine or transmission modifications. NOTE: Some modifications are intended for off-road applications only. Students are encouraged to enroll in Automotive Lab concurrently. Prerequisite: AUTO INTR with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**AUTO SDR SPECIFIED DIAGNOSTIC 5 UNITS
AND REPAIR**

This is a Bureau of Automotive Repair approved alternative to the ASE A6, A8 and L1 certification required for obtaining and maintaining smog technician licenses. This course will follow BAR guidelines for smog license prep. Student may or may not qualify for license exam after taking this class. For more information see www.smogcheck.ca.gov. 72 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

BIOLOGICAL SCIENCES

The Biology Program provides a diverse array of educational opportunities to meet the needs of our community. Academic pathways are available for students seeking transfer to four-year institutions, an AA degree in Biology, an AA degree in Biology: Allied Health, pre-nursing and pre-dental hygiene program preparation, or pre-professional coursework (e.g., medicine, pharmacy, radiology, optometry, paramedic, veterinary). Additionally, the program offers courses required for various AA/AS degrees and certificates (e.g., Horticulture, Kinesiology, Psychology, Viticulture/Enology), and to meet general education requirements. More information can be found at: <http://www.laspositascollege.edu/biology/index.php>

The coursework required for the AA in Biology, provides foundational knowledge and hands-on experiences across all levels of biology, from the molecular to the ecological.

The coursework for the AA in Biology: Allied Health with the basic understanding of human anatomy and physiology, along with an overview of microbiology that impacts humans.

The coursework required for the AS-T Biology degree prepares students for seamless transfer into the CSU system to complete a baccalaureate degree in biology or similar major.

Programs of Study

Degrees:

- AS-T - Biology
- AA - Biology
- AA - Biology: Allied Health
- AA - Computational Biology

Certificates of Achievement:

- Computational Biology

AS-T – Biology

About the Degree

The Las Positas College Biology program offers courses that lead to an Associate of Science in Biology for Transfer degree. The Associate of Science in Biology for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Biology or similar major. The major requirements for this degree align with the Intersegmental Transfer Model Curriculum (TMC) for Biology. Students will have guaranteed admission to a California State University (CSU) campus upon successful completion of the program requirements. Students should consult with a counselor to determine whether or not this degree is the best option for their transfer goals. General education requirements should be selected carefully based on the intended

transfer institution. The course work required for the AS-T in Biology provides foundational knowledge and hands-on experiences across all levels of biology, from the molecular to the ecological.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) for STEM.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Career Opportunities

Various areas of specialization are available to biologists in academia, industry, manufacturing, education, health care, natural resource management, public policy, consulting, administration, and organizations such as zoos, aquaria, museums, and parks. Some of the many possibilities for careers include veterinarian, doctor, physical therapist, research scientist, biotechnologist, plant pathologist, surgeon, environmental consultant, genetic counselor, lab technician, physician assistant, and wildlife biologist. Preparation for entry level jobs in these and other areas generally require a bachelor's degree in biology.

Program Outcomes

- Upon successful completion of an AS-T in Biology, students are able to explain and apply basic principles and processes of biology at different levels, from the biochemical to the ecological.
- Upon successful completion of an AS-T in Biology, students are able to design, conduct, analyze, and/or report results of investigations and experiments in the laboratory and/or field.
- Upon successful completion of an AS-T in Biology, students are proficient in standard biology lab techniques and lab safety procedures.

Required Core: (15 Units)

BIO 1A (General Botany)	5
BIO 1B (General Zoology)	5
BIO 1C (Cell and Molecular Biology)	5

List A: (23 Units)

CHEM 1A (General College Chemistry I).....	5
CHEM 1B (General College Chemistry II).....	5
PHYS 2A (Introduction to Physics I)	4
PHYS 2B (Introduction to Physics II)	4
MATH 1 (Calculus I).....	5

Total Units for the Major 38

Additional *General Education and Elective Units 22

Total Units 60

**IGETC for CSU only. Please see a counselor for questions.*

See the Las Positas College Intersegmental General Education Transfer Curriculum (for CSU) for STEM pattern for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Biology

About the Degree

The Associate of Arts in Biology degree is designed to prepare students for transfer, but also provides entry-level opportunities for laboratory technicians in industry and the academic environment. The coursework provides foundational knowledge and hands-on experiences across all levels of biology, from the molecular to the ecological. It also provides students with the basic understanding of human anatomy and physiology, along with an overview of microbiology that impacts humans.

Program Outcomes

- Upon successful completion of an AA in Biology, students are able to explain and apply basic principles and processes of biology at different levels, from the biochemical to the ecological.
- Upon successful completion of an AA in Biology, students are able to design, conduct, analyze, and/or report results of investigations and experiments in the laboratory and/or field.
- Upon successful completion of an AA in Biology, students are proficient in standard biology lab techniques and lab safety procedures.

Required Core: (33 Units)

BIO 1A (General Botany)	5
BIO 1B (General Zoology)	5
BIO 1C (Cell and Molecular Biology)	5
CHEM 1A (General College Chemistry I)	5
CHEM 1B (General College Chemistry II)	5
PHYS 2A (Introduction to Physics I)	4
PHYS 2B (Introduction to Physics II)	4

Total Units for the Major 33

Additional General Education and Elective Units 27

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Biology: Allied Health

About the Degree

The Associate of Arts in Biology: Allied Health degree provides courses that are required for students entering nursing school or other programs in Allied Health fields, such as dental hygiene, radiology, surgical technician, kinesiology, physical therapy, occupational therapy, emergency medical technician, paramedic, medical assisting, and health information technology.

Program Outcomes

- Upon successful completion of an AA in Biology: Allied Health, students are able to explain and apply the basic processes of homeostasis in humans from the cellular to the organismal level.
- Upon successful completion of an AA in Biology: Allied Health, students are able to conduct, analyze, and report results of experiments.
- Upon successful completion of an AA in Biology: Allied Health, students are proficient in standard biology lab techniques and lab safety procedure.

Required Core: (27 Units)

BIO 7A (Human Anatomy)	5
BIO 7B (Human Physiology)	5
BIO 7C (Microbiology)	5
BIO 30 (Intro to College Biology)	4
CHEM 30A (Intro and Applied Chemistry I)	4
CHEM 30B (Intro and Applied Chemistry II)	4

Total Units for the Major 27

Additional General Education and Elective Units 33

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Computational Biology

About the Degree

Computational Biology uses data analysis, mathematical modeling, and computational simulation techniques to understand complex biological systems. The Computational Biology degree provides coursework designed to train students entering careers that require the interpretation and analysis of large amounts of biological data. The objective of the degree is to acquire skills in computer science, biology and statistics that can be applied to bioinformatics. Career opportunities for students with an Associate of Arts in Computational Biology may include employment with pharmaceutical companies, scientific software companies, academic

research and biotechnology companies. Students may also wish to transfer to a university for a BA/BS degree in Computational Biology, Biotechnology, Bioinformatics, or related field. Students transferring to a university are recommended to meet with a counselor and contact their transfer institution as some universities require additional computer science courses.

Career Opportunities

Pharmaceutical companies, scientific software, companies biotechnology companies, and academic research.

Program Outcomes

- Upon completion of the AA in Computational Biology, the student should be able to demonstrate an understanding of the fundamental concepts in molecular biology, including DNA, genes, proteins and genomes.
- Upon completion of the AA in Computational Biology, the student should be able to explain the use of computational techniques to solve biological problems.
- Upon completion of the AA in Computational Biology, the student should be able to use online resources such as NCBI (National Center for Biotechnology Information) and bioinformatics applications to research and analyze biological data.

Required Core: (21 Units)

BIO 1C (Cell and Molecular Biology)	5
BIO 2A (Bioinformatics)	4
CHEM 1A (General College Chemistry I).....	5
CS 7 (Introduction to Computer Programming Concepts).....	3
MATH 40 (Statistics and Probability)	4

List A: Select One (5 Units)

BIO 1A (General Botany).....	5
BIO 1B (General Zoology)	5

Total Units for the Major 26

Additional General Education and Elective Units..... 34

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Computational Biology

About the Certificate

Computational Biology uses data analysis, mathematical modeling, and computational simulation techniques to understand complex biological systems. The Computational Biology certificate provides

coursework designed to train students entering careers that require the interpretation and analysis of large amounts of biological data. The objective of the certificate is to acquire skills in computer science, biology and statistics that can be applied to bioinformatics. Students may also wish to obtain the Associate of Arts in Computational Biology degree, which can be used to transfer to a university for a BA/BS degree in Computational Biology, Biotechnology, Bioinformatics, or related field.

Career Opportunities

Career opportunities for students with a Certificate of Achievement in Computational Biology may include employment with pharmaceutical companies, biotechnology companies, academic research and scientific software companies.

Program Outcomes

- Upon completion of the Certificate of Achievement in Computational Biology, the student should be able to demonstrate an understanding of the fundamental concepts in molecular biology, including DNA, genes, proteins and genomes.
- Upon completion of the Certificate of Achievement in Computational Biology, the student should be able to explain the use of computational techniques to solve biological problems.
- Upon completion of the Certificate of Achievement in Computational Biology, the student should be able to use online resources such as NCBI (National Center for Biotechnology Information) and bioinformatics applications to research and analyze biological data.

Required Core: (21 Units)

BIO 1C (Cell and Molecular Biology)	5
BIO 2A (Bioinformatics)	4
CHEM 1A (General College Chemistry I).....	5
CS 7 (Introduction to Computer Programming Concepts).....	3
MATH 40 (Statistics and Probability)	4

List A: Select One (5 Units)

BIO 1A (General Botany).....	5
BIO 1B (General Zoology)	5

Total Units 26

Biological Sciences Courses (BIO)

BIO 1A GENERAL BOTANY 5 UNITS

Diversity, structure and function of plant, fungal, and protistan phyla. Topics include development, morphology, physiology and systematics. Principles of population and community ecology and ecosystem interactions. Prerequisite: MATH 55 with a minimum grade of C or MATH 55B with a minimum grade of C. Strongly Recommended: BIO 30. 54 hours lecture, 108 hours laboratory. AA/ AS GE. Transfer: CSU, UC; CSU GE: B2, B3; IGETC: 5B, 5C; C-ID# BIOL 155, BIOL 135 S (if taken with BIO 1B+1C).

Degree Applicable, Credit Grading Option: GR

BIO 1B GENERAL ZOOLOGY 5 UNITS

Major groups of animal phyla and heterotrophic unicellular eukaryotes. Topics include comparative structure and function, development, ecology, taxonomy, phylogeny, evolution, and behavior. Designed for majors in biological sciences and related fields.

Prerequisite: MATH 55 with a minimum grade of C or MATH 55B with a minimum grade of C. Strongly Recommended: BIO 30 with a minimum grade of C. 54 hours lecture, 108 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B2, B3; IGETC: 5B, 5C; C-ID# BIOL 150, 135 S (if taken with BIO 1A+1C).

Degree Applicable, Credit Grading Option: GR

BIO 1C CELL AND MOLECULAR BIOLOGY 5 UNITS

Principles of cell and molecular biology. Includes biochemistry, cell structure and function, cell homeostasis, cell metabolism, cell reproduction, cell communication, genetics, molecular biology, biotechnology, and evolution. Emphasis on scientific inquiry and experimental design. Prerequisite: BIO 1A with a minimum grade of C or BIO 1B with a minimum grade of C, MATH 55 with a minimum grade of C, CHEM 1A with a minimum grade of C, Eligibility for ENG 1A. 54 hours lecture, 108 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B2, B3; IGETC: 5B, 5C; C-ID# BIOL 190, BIOL 135 S (if taken with BIO 1A+1B)

Degree Applicable, Credit Grading Option: GR

BIO 2A BIOINFORMATICS 4 UNITS

Principles of Bioinformatics. Project-based course which will analyze complex biological data. The course introduces students to the tools used for computational exercises relevant to current biotechnologies and computational biology. Prerequisite: BIO 1C with a minimum grade of C, CS 7 with a minimum grade of C, MATH 40 with a minimum grade of C, CHEM 1A with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

BIO 7A HUMAN ANATOMY 5 UNITS

Structural organization of the human body: gross and microscopic structure of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, lymphatic, respiratory, digestive, excretory, and reproductive systems, from cellular to organ system levels of organization. This course is primarily intended for nursing, allied health, kinesiology, and other health related majors. Prerequisite: BIO 30 with a minimum grade of C. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture, 108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B2, B3; IGETC: 5B, 5C; C-ID# BIOL 110 B. * *BIO 7A, 7B and 50 combined: maximum UC credit, two courses.*

Degree Applicable, Credit Grading Option: GR

BIO 7B HUMAN PHYSIOLOGY 5 UNITS

Function and regulation of the human body. This course examines general, cellular, and molecular interactions that integrate the organ systems to maintain homeostasis. Human responses and computer simulations are used to collect and analyze data. Designed for nursing, physical and occupational therapy, and other health sciences majors. Prerequisite: CHEM 30A with a minimum grade

of C or CHEM 31 with a minimum grade of C or CHEM 1A with a minimum grade of C and BIO 7A with a minimum grade of C. Strongly Recommended: CHEM 30B and Eligibility for ENG 1A. 54 hours lecture, 108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B2, B3; IGETC: 5B, 5C; C-ID# BIOL 120 B. * *BIO 7A, 7B and 50 combined: maximum UC credit, two courses.*

Degree Applicable, Credit Grading Option: GR

BIO 7C MICROBIOLOGY 5 UNITS

This course focuses on viruses, bacteria, fungi, protozoans, and helminths, with an emphasis on their relationship to humans. Cultivation, control, metabolism, body's defense against disease, microbial genetics, laboratory tests, and contemporary diseases are discussed. Methods used in the laboratory include standard bacteriological techniques (culturing, staining, biochemical testing, sensitivity testing etc.) as well as some molecular and immunological techniques, such as PCR and ELISA. Laboratory work also includes identification of unknowns, and/or independent research projects. Prerequisite: BIO 30 with a minimum grade of C, CHEM 30A with a minimum grade of C or CHEM 1A with a minimum grade of C. Strongly Recommended: BIO 7A with a minimum grade of C, ENG 1A with a minimum grade of C. 54 hours lecture, 108 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B2, B3; IGETC: 5B, 5C.

Degree Applicable, Credit Grading Option: GR

BIO 10 INTRODUCTION TO THE SCIENCE OF BIOLOGY 4 UNITS

This course focuses on basic principles of biology, including scientific investigation and the study of the nature of living things. Focus is on student understanding of evolution and the unity and diversity of life from the molecular level to ecosystems and biosphere. Designed for non-majors in biology and biomedical sciences. 54 hours lecture, 54 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B2, B3; IGETC: 5B, 5C. * *BIO 10 and 30 combined: maximum UC credit, one course. No UC credit for BIO 10 or 30 if taken after 1C.*

Degree Applicable, Credit Grading Option: OP

BIO 20 CONTEMPORARY HUMAN BIOLOGY 3 UNITS

A study of the Human organism, beginning at the cellular level, emphasizing organ systems, and also including topics of genetics and biotechnology. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B2; IGETC: 5B.

Degree Applicable, Credit Grading Option: GR

BIO 29B INDEPENDENT STUDY, BIOLOGY 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

BIO 29T INDEPENDENT STUDY, BOTANY 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

**BIO 29Z INDEPENDENT STUDY, 0.5-2 UNITS
ZOOLOGY**

For course information, see "Independent Studies". 27-108 hours laboratory.

**BIO 30 INTRODUCTION TO 4 UNITS
COLLEGE BIOLOGY**

Basic principles of biology. Cell structure and function, cell division, cell metabolism, reproduction, genetics, taxonomy, origin of life, and evolution. Laboratory emphasis on developing various laboratory skills, using the metric system, collecting data, graphing, interpreting data, and preparing for and taking laboratory exams. Designed to prepare the necessary concepts and laboratory skills and experience that are needed to succeed in more advanced courses in biology. Strongly Recommended: MATH 110 with a minimum grade of C or MATH 110B with a minimum grade of C, Eligibility for ENG 1A. 54 hours lecture, 54 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B2, B3; IGETC: 5B, 5C. *BIO 10 and 30 combined: maximum UC credit, one course. No UC credit for BIO 10 or 30 if taken after 1C.

Degree Applicable, Credit Grading Option: GR

**BIO 40 HUMANS AND THE 3 UNITS
ENVIRONMENT**

Introduction to environmental issues from a scientific perspective, focusing on physical, chemical, and biological processes within the Earth system, the interaction between humans and these processes, and the role of science in finding sustainable solutions. Topics include ecological principles, biodiversity, climate change, sustainability, renewable and non-renewable energy, water resources, air and water pollution, and solid waste management. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B2; IGETC: 5B.

Degree Applicable, Credit Grading Option: OP

BIO 50 ANATOMY AND PHYSIOLOGY 4 UNITS

Structure and function of the human body is studied. Emphasis on human anatomy and physiological principles at the cellular and systemic level. Designed primarily for majors in paramedic and medical assisting programs and pre-medical students who wish to explore the realm of anatomy and physiology. 54 hours lecture, 54 hours laboratory. Transfer: CSU, UC*; CSU GE: B2, B3; IGETC: 5B, 5C. *BIO 7A, 7B and 50 combined: maximum UC credit, two courses.

Degree Applicable, Credit Grading Option: GR

**BIO 55 ORIENTATION TO HEALTH 2 UNITS
CARE**

Examine physiological, psychological, ethical, social, and public health issues. Introduce the workings of the human body and mind and explore the relationship between health and larger cultural and societal issues. Introduce medical terminology. Review diseases, including causes, symptoms, how they affect the body systems, and treatment options available. Investigate, analyze, and evaluate professional opportunities, educational requirements and personal characteristics with the intent to acquire insight into careers in the allied health field, with specific focus on transfer science, clinical

programs (pre-nursing, EMT, surgical technology, medical assisting), and health administrative support. Gain the academic framework and perspective necessary to pursue a career in health sciences, as well as benefit anyone confronting health care issues in today's complex world. 36 hours lecture. Transfer: CSU; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

BIO 60 MARINE BIOLOGY 4 UNITS

Ocean as a habitat, the organisms that inhabit marine waters, their ecology, adaptations and evolution, and the role of the ocean in the ecology of the biosphere. 54 hours lecture, 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B2, B3; IGETC: 5B, 5C.

Degree Applicable, Credit Grading Option: OP

BIO 70 FIELD BIOLOGY 3 UNITS

A hands-on course in field biology. Students will learn basic concepts about ecology and environmental science through outdoor activities and exploration of a variety of ecosystems. The goals are to gain experience and develop skills in the following areas: identification of plants and animals, first-hand knowledge of a wide array of organism life histories, quantitative field research techniques and procedures applicable to plants and animals, and methods of recording data and observations. Field trips to local and regional habitats focus on seasonally relevant events, processes, and appropriate methodologies to study these communities. 36 hours lecture, 54 hours laboratory. Transfer: CSU; CSU GE: B2, B3.

Degree Applicable, Credit Grading Option: GR

BUSINESS

The Las Positas College Business Studies Program is designed to provide students with a broad understanding of business concepts and functions used in a wide range of careers. There are many areas of specialization available that fit current and projected needs of the ever-changing business environment. It is important that students work closely with business faculty and counselors to determine which degrees or certificates best support their individual career and/or transfer goals. Students may pursue programs to prepare for work, upgrade skills, or transfer to a four-year college or university.

Programs of Study

Degrees:

- AS-T – Business Administration
- AS – Business
- AA – Business Administration
- AA – Business Entrepreneurship
- AA – Administrative Assistant

Certificates of Achievement:

- Accounting Technician
- Administrative Assistant
- Business Entrepreneurship
- Retail Management (W AFC)
- Supervisory Management

Certificates of Accomplishment:

- Bookkeeping
- Business Workforce Proficiency

Career Opportunities

Career opportunities include, but are not limited to: entry, level-one analyst and assistant positions in marketing, human resources, distribution, logistics, human resources, product research, and finance; and entry-level supervisory positions in all business and non-profit entities.

AS-T – Business Administration

About The Degree

The Associates in Science in Business Administration for Transfer is based on the state-wide Transfer Model Curriculum for Business, developed as detailed by California State legislation SB1440. Upon successful completion of the program's requirements (with a GPA of 2.0 or better), students will receive priority admission with junior status to some campuses of the California State University System. The Associates in Science in Business Administration for Transfer prepares students for seamless transfer into the CSU system to

complete a baccalaureate degree in Business Administration or similar major. After completing the required courses in this program students will graduate with a broad-based understanding of the field of business, its demands, required skill-sets, needed abilities, and career opportunities.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education – Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Career Opportunities

Career opportunities for students completing this Associate of Science Degree in Business Administration for Transfer are focused on individuals who intended to complete a bachelor's degree in a similar major at a CSU, UC, or other 4-year institutions. These career opportunities are already extensive and are projected to continue as strong employment-growth areas for the next fifteen years.

Looking at the information on the Labor Market Index web page (<http://www.labormarketinfo.edd.ca.gov/>), in the accounting and financial areas the average projected growth state-wide in 16-25% through 2020. In Alameda county looking at all Business related fields the growth in all areas is projected to be 20-25%.

The career opportunities in business are exceptionally diverse. Examples of the career paths include, but are certainly not limited to: account executives, analysts, auditors, budget analysts, compliance managers, accountants, bank employees, managers, entrepreneurs, financial managers, financial planners, government service, insurance representatives, investment counselors, logisticians, public administration, product managers, purchasing agents, retail/ industrial sales, risk managers, and economic development officers. Some options may require more than two years of study and additional licensing.

Students will learn of the skill-sets, which are needed for success in these fields. Some skill-sets will be developed to a superior level; beginning expertise will be the developmental goal in other areas. The skills include, but are not limited to: active listening, systems evaluation, problem solving, judgment and decision making, monitoring, coordinating actions, time management, and critical thinking.

The abilities that students will practice and develop to a higher level include, but are not limited to: oral expression and comprehension, inductive and deductive reasoning, problem sensitivity, and written comprehension.

Program Outcomes

- Upon completion of the AS-T in Business Administration, students will be able to compare and contrast ethical standards and best practices of social responsibility to business situations.
- Upon completion of the AS-T in Business Administration, students will be able to demonstrate knowledge of business operations, the business organization, business environments, and business procedures.
- Upon completion of the AS-T in Business Administration, students will be able to explain the functions of all business operations and identify the resources needed in each area.
- Upon completion of the AS-T in Business Administration, students will be able to list and explain the factors of production, the external business environments and apply their influence in specific business problems.

Required Core: (18 Units)

BUSN 1A (Financial Accounting)	4
BUSN 1B (Managerial Accounting)	4
BUSN 18 (Business Law)	4
ECON 1 (Principles of Microeconomics)	3
ECON 2 (Principles of Macroeconomics)	3

List A: Select One: (4-5 Units)

MATH 34 (Calculus for Business and Social Sciences)	5
MATH 40 (Statistics and Probability)	4

List B: Select Two (6-8 Units)

Any List A course not already used.....	4-5
BUSN 40 (Introduction to Business).....	3
CIS 50 (Intro to Computing Info Tech).....	3

Total Units for the Major28-30

Additional General Education and Elective Units..... 30-32

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AS – Business

About the Degree

The Associate in Science degree in Business Administration is a general business degree for those who want to pursue any of the numerous career possibilities in the field of business. This program intends to prepare students for new employment or promotions in the fields of management, supervision, marketing, finance, international business, or other areas of business administration. Career opportunities for Business Administration majors are diverse

and many. The Associate in Science degree prepares students for careers in business disciplines such as sales, marketing, public relations, and human resources. Many graduates find employment within the following industries: aerospace, automotive, banking, commercial, consulting services, hospitality, information technology, manufacturing, retailing, telecommunications and viticulture. Other students may secure employment in federal, state, or local government agencies. Still other students work for nonprofit or private foundations and professional organizations. While some classes in the program transfer to four-year universities at least as electives, the program is not intended to prepare student for transfer. If your main goal is transfer to a four-year school, consider completing the Associate in Science in Business Administration for Transfer instead. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Career Opportunities

Career opportunities for Business Administration majors are diverse and many. The Associate in Science degree prepares students for careers in business disciplines such as sales, marketing, public relations, and human resources. Many graduates find employment within the following industries: aerospace, automotive, banking, commercial, consulting services, hospitality, information technology, manufacturing, retailing, telecommunications and viticulture. Other students may secure employment in federal, state, or local government agencies. Still other students work for nonprofit or private foundations and professional organizations.

Program Outcomes

- Upon completion of the AS in Business, students will be able compare and contrast ethical standards and best practices of social responsibility to business situations.
- Upon completion of the AS in Business, students will be able demonstrate knowledge of business operations, the business organization, business environments, and business procedures.
- Upon completion of the AS in Business, students will be able explain the functions of all business operations and identify the resources needed in each area.

Required Core: (23 Units)

BUSN 18 (Business Law).....	4
BUSN 40 (Introduction to Business).....	3
BUSN 55 (Business Mathematics).....	3
CIS 50 (Intro to Computing Info Tech).....	3
CIS 55 (Integrating Office Applications).....	4
CIS 88A (Introduction to Microsoft Word)	1.5
CIS 88B (Adv Microsoft Word).....	1.5
MKTG 50 (Introduction to Marketing)	3

List A: Select One Course from Each Area (16-19 Units)

Area 1

BUSN 20 (International Business)	3
BUSN 30 (Business Ethics and Society).....	3

Area 2

BUSN 43 (Professional Communications) 3
 BUSN 53 (Business Correspondence)..... 3

Area 3

WRKX 94 (Occupational Work Experience/Internship) 1-3
 WRKX 95 (General Work Experience) 1-3

Area 4

BUSN 48 (Human Relations in Organizations).....3
 BUSN 52 (Business Communications).....3

Area 5

BUSN 1A (Financial Accounting).....4
 BUSN 51 (General Accounting).....3

Area 6

ECON 1 (Principles of Microeconomics) 3
 ECON 10 (General Economics).....3

List B: Select One (1-3 Units)

BUSN 33 (Personal Financial Management and Planning)3
 BUSN 56 (Introduction to Management)3
 CIS 8 (Essential Computing Skills).....2
 CIS 71A (Keyboarding: The Alphabet) 1
 CIS 71B (Keyboard: Numbers and Symbols) 1
 CIS 75 (Office Technology/Communications) 1
 MKTG 56 (Retail Strategies)3
 MKTG 60 (Retail Store Management)3
 MKTG 61 (Professional Selling)3
 MKTG 64 (Introduction to Advertising).....3

Program-Based GE: Select One (3 Units)

CMST 10 (Interpersonal Communication).....3
 CMST 11 (Intercultural Communication).....3

Total Units for the Major40-45

Additional General Education and Elective Units..... 12-17

Total Units 60

See the Las Positas College General Education Pattern for Associate of Science Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Business Administration

About the Degree

This degree prepares students interested in transferring to four-year institutions for continued study in business administration. The program outlined below fulfills typical lower-division requirements at four-year transfer institutions. Some variation in requirements may exist at a particular four-year college or university; therefore, it is essential that the student refer to the catalog of the prospective

transfer institution and consult a counselor.

Program Outcomes

- Upon completion of the AA in Business Administration, students will be able to compare and contrast ethical standards and best practices of social responsibility to business situations.
- Upon completion of the AA in Business Administration, students will be able to demonstrate knowledge of business operations, the business organization, business environments, and business procedures.
- Upon completion of the AA in Business Administration, students will be able to explain the functions of all business operations and identify the resources needed in each area.
- Upon completion of the AA in Business Administration, students will be able to list and explain the factors of production, the external business environments and apply their influence in specific business problems.

Required Core: (24 Units)

BUSN 1A (Financial Accounting)4
 BUSN 1B (Managerial Accounting)4
 BUSN 18 (Business Law).....4
 BUSN 40 (Introduction to Business).....4
 CIS 50 (Intro to Computing Info Tech).....3
 ECON 1 (Principles of Microeconomics)3
 ECON 2 (Principles of Macroeconomics)3

List A: Select One or Two (1 Unit)

CIS 71A (Keyboarding (The Alphabet)) 1
 CIS 71B (Keyboard (Numbers and Symbols)) 1
 CIS 71C (Skills Improvement)..... 1
 LIBR 4 (College Research Techniques) 0.5
 LIBR 5 (College Research and Databases)..... 0.5
 LIBR 6 (Research in Special Subjects)..... 0.5
 LIBR 7 (The Open Web and Search Engines) 0.5

List B: Select One (4-5 Units)

MATH 40 (Statistics and Probability)4
 MATH 41 (Statistics for Business Majors) 5

List C: Select One (4-5 Units)

MATH 33 (Finite Mathematics)4
 MATH 34 (Calculus for Business and Social Sciences)..... 5

Total Units for the Major 33-35

Additional General Education and Elective Units..... 25-27

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Business Entrepreneurship

About the Degree

The Associate of Arts degree in Business Entrepreneurship is a general business degree for those who want to pursue any number of entrepreneurial opportunities. This program intends to prepare students to launch or strengthen new business ideas and opportunities. In addition to becoming a business owner, students who complete this degree can also pursue career opportunities as consultants or employees of small to mid-size businesses in a variety of industries including: aerospace, automotive, banking, commercial, professional services, hospitality, information technology, manufacturing, retailing, telecommunications and viticulture. This program is designed to prepare students for planning, organizing, and operating a business in wholesaling, retailing, and technology or service trade. The main thrust of the program is on managerial decision making under conditions of uncertainty and fierce competition. Courses involve studying case histories of decision-making issues and using business and management games to simulate the complicated interrelationships of various businesses. The AA - Business Entrepreneurship provides a foundation of business competencies and management strategies that will enable students to succeed as an entrepreneur, small business owner, partner, manager, or inventor.

Career Opportunities

Students can use his or her associates' degree in entrepreneurship as a stepping stone to further education or, if students feel adequately prepared, can jump straight into the business world. Students may start his or her own business, collaborate with others on a business venture or act as a consultant.

Program Outcomes

- Upon completion of the AA in Business Entrepreneurship, students will be able to construct a business plan, essential marketing plan, and the basic financial documents needed for a small business.
- Upon completion of the AA in Business Entrepreneurship, students will be able to define "Competitive Advantage" and discuss actions a small business should use to achieve it.
- Upon completion of the AA in Business Entrepreneurship, students will be able to demonstrate knowledge of business operations, the business organization, business environments, and business procedures.
- Upon completion of the AA in Business Entrepreneurship, students will be able to describe the nature and characteristics of successful small businesses.

Required Core: (22 Units)

BUSN 18 (Business Law).....	4
BUSN 40 (Introduction to Business).....	3
BUSN 48 (Human Relations in Organizations).....	3
BUSN 55 (Business Mathematics).....	3
BUSN 56 (Introduction to Management)	3
CIS 50 (Intro to Computing Info Tech).....	3

MKTG 50 (Introduction to Marketing)	3
---	---

List A: Select One Course from Each Area (12-14 Units)

Area 1

BUSN 43 (Professional Communications)	3
BUSN 52 (Business Communications).....	3
BUSN 53 (Business Correspondence).....	3

Area 2

BUSN 1A (Financial Accounting).....	4
BUSN 51 (General Accounting).....	3

Area 3

BUSN 58 (Small Business Management)	3
MKTG 60 (Retail Store Management)	3

Area 4

ECON 1 (Principles of Microeconomics)	3
ECON 10 (General Economics)	3

Area 5

WRKX 94 (Occupational Work Experience/Internship)	1-3
WRKX 95 (General Work Experience)	1-3

Total Units for the Major34-36

Additional General Education and Elective Units24-26

Total Units 60

See Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Recommended Electives:

BUSN 20 (International Business)
BUSN 30 (Business Ethics and Society)
CIS 54 (Excel: Intro to Spreadsheets)
CIS 71 (Computer Typing)

AA – Administrative Assistant

Program Outcomes

- Upon completion of the AA in Administrative Assistant, the student will be able to complete business-related documents using the various functions basic, intermediate, and advanced—of the software programs: Word, Excel, PowerPoint

Required Core: (32-34 Units)

BUSN 40 (Introduction to Business).....	3
BUSN 48 (Human Relations in Organizations).....	3
BUSN 95 (Business Work Experience)	1-3

BUSN 96 (Business Work Experience Seminar).....	1
CIS 43 (Professional Communications) or BUSN 43 (Professional Communications).....	3
CIS 50 (Intro to Computing Info Tech).....	3
CIS 54 (Excel: Intro to Spreadsheets).....	4
CIS 55 (Integrating Office Applications).....	4
CIS 72A (Data Management).....	1
CIS 73A (Ten-Key Skill Development).....	1
CIS 74 (Office Procedures).....	3
CIS 75 (Office Technology/Communications).....	1
CIS 88A (Introduction to Microsoft Word).....	1.5
CIS 88B (Advanced Microsoft Word).....	1.5
CIS 89A (Desktop Presentation).....	1

List A: Select One (3-4 Units)

BUSN 1A (Financial Accounting).....	4
BUSN 51 (General Accounting).....	3

List B: Select One (6 Units)

BUSN 56 (Introduction to Management).....	3
CIS 57 (Database Concepts).....	3
CIS 59A (Web Development: HTML/ XHTML).....	3
CIS 66 (Networking Fundamentals).....	3
CIS 72B (Basic Office integration).....	3
CIS 89B (Desktop Publishing).....	3
MKTG 50 (Introduction to Marketing).....	3

Total Units for the Major 41-44

Additional General Education and Elective Units 16-19

Total Units 60

**Keyboarding Competency for Associate of Arts Degree -
Administrative Assistant**

Students must demonstrate keyboarding speed for 60 net words per minute. Competency can be met by completing Computer Systems Information 71C with a “C” or higher or by presenting a Las Positas College Verification of Proficiency certifying 60 net words per minute in a five (5) minute timing.

See Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

**Certificate of Achievement
Accounting Technician**

Program Outcomes

- Upon completion of the Certificate of Achievement in Accounting Technician, the student will be able to perform variety of functions in an accounting department including: maintain and update financial records, prepare and analyze financial statements, review bookkeepers' and clerks' work for accuracy and completeness, prepare individual income tax

returns containing schedule A, B, C, D and E, maintain cost records and prepare and analyze budgets.

Required Core: (26.5 Units)

BUSN 1A (Financial Accounting).....	4
BUSN 1B (Managerial Accounting).....	4
BUSN 40 (Introduction to Business).....	3
BUSN 53 (Business Correspondence).....	3
BUSN 55 (Business Mathematics).....	3
BUSN 61 (QuickBooks Accounting).....	1.5
BUSN 65 (Federal Income Tax Accounting).....	3
CIS 54 (Excel: Intro to Spreadsheets).....	4
CIS 73A (Ten-Key Skill Development).....	1

Total Units 26.5

**Certificate of Achievement
Administrative Assistant**

Program Outcomes

- Upon completion of the Certificate of Achievement in Administrative Assistant, the student will be able to demonstrate the ability to successfully use basic English language skills (grammar, punctuation, capitalization, etc.) in business documents.

Required Core: (26 Units)

BUSN 40 (Introduction to Business).....	3
BUSN 48 (Human Relations in Organizations).....	3
BUSN 51 (General Accounting).....	3
CIS 43 (Professional Communications) or BUSN 43 (Professional Communications).....	3
CIS 50 (Intro to Computing Info Tech).....	3
CIS 72A (Records and Data Management).....	1
CIS 72B (Basic Office integration).....	1
CIS 73A (Ten-Key Skill Development).....	1
CIS 74 (Office Procedures).....	3
CIS 75 (Office Technology/Communications).....	1
CIS 88A (Introduction to Microsoft Word).....	1.5
CIS 88B (Advanced Microsoft Word).....	1.5
CIS 89A (Desktop Presentation).....	1

List A: (4 Units)

CIS 54 (Excel: Intro to Spreadsheets).....	4
CIS 55 (Integrating Office Applications).....	4

Total Units 30

**Keyboarding Competency for Certificate of Achievement -
Administrative Assistant**

Students must demonstrate keyboarding speed of 40 net words per minutes. Competency can be met by completing Computer Information Systems 71C with a “C” or better or by presenting a Las Positas College Verification of Proficiency certifying 40 net words per minutes in a five (5) minute timing.

Certificate of Achievement Business Entrepreneurship

About the Certificate

This Certificate of Achievement in Business Entrepreneurship is composed of a series of courses along with emphasis options which provide students with the knowledge and skills to successfully develop and assess the viability of for profit or not-for-profit "social and sustainable" business concepts. Information on funding, vendor sourcing, and launching of new ventures whether they are a stand alone businesses, a micro-entrepreneurial venture, or an entrepreneurial venture within an existing company will be explored.

Career Opportunities

It is estimated by the Department of Labor and the Small Business Administration that 80% of new jobs are initially created by small businesses. Entrepreneurs that start new businesses, add to the existing job market, and take on the risk and rewards of being an owner. Putting an idea to work in a competitive economy can lead to satisfying personal achievement with some new ventures generating enormous job opportunities for others and wealth for the entrepreneur, investors, and employees. Choosing to pursue an entrepreneurship certificate and/or degree can offer a variety of career paths and can meet a variety of career goals. Entrepreneurship careers cover a wide range of industries and locales, and entrepreneurs can find opportunities in businesses of all sizes. An individual's interest and ability to focus on making a project work will determine what kind of career may develop. As an entrepreneur, a career path unique to an individual's interests, business knowledge and ambition can be carved.

Program Outcomes

- Upon completion of the Certificate of Achievement in Business Entrepreneurship, students will be able to compare and contrast the impact of the external business environments on small businesses.
- Upon completion of the Certificate of Achievement in Business Entrepreneurship, students will be able to construct a business plan, essential marketing plan, and basic financial documents for a small business.
- Upon completion of the Certificate of Achievement in Business Entrepreneurship, students will be able to define and provide concrete examples of the "Competitive Advantage" concept that a small business must achieve in order to succeed.
- Upon completion of the Certificate of Achievement in Business Entrepreneurship, students will be able to describe the nature and characteristics of successful small business persons.
- Upon completion of the Certificate of Achievement in Business Entrepreneurship, students will be able to detail key business procedures relevant to a specific problem using appropriate technology.
- Upon completion of the Certificate of Achievement in Business Entrepreneurship, students will be able to summarize the responsibilities of small business owners in selecting, motivating,

training, and supervising employees.

Required Core: (17 Units)

BUSN 18 (Business Law).....	4
BUSN 45 (Entrepreneurship)	3
MKTG 50 (Introduction to Marketing)	3
BUSN 40 (Introduction to Business).....	3
CIS 55 (Integrating Office Application)	4

Select One Course from Each Area: (12-13 Units)

Area 1

BUSN 1A (Financial Accounting).....	4
BUSN 51 (General Accounting).....	3

Area 2

BUSN 56 (Introduction to Management)	3
BUSN 58 (Small Business Management)	3
MKTG 60 (Retail Store Management)	3

Area 3

BUSN 52 (Business Communications).....	3
BUSN 53 (Business Correspondence).....	3
MKTG 60 (Retail Store Management)	3

Area 4

BUSN 48 (Human Relations in Organizations).....	3
MKTG 61 (Professional Selling)	3

Total Units 29-30

Certificate of Achievement Retail Management (WAFC)

About the Certificate

The Retail Management Certificate offers the education needed to get started and advance a career in the retail industry. Individuals who complete this program gain the knowledge, skills, abilities, and confidence that empower them to become successful leaders in retail and service oriented companies. This certificate is endorsed by the California Grocers Association and the Western Association of Food Chains. The certificate has also been recognized as part of the White House's Upskill Initiative and by leading organizations, including the ACT Foundation and the U.S. Department of Labor.

Career Opportunities

Retail is a growing, fast-paced, and diverse industry with many opportunities for advancement. Careers are available in all areas of Business, employing over 42 million people and responsible for one in four jobs in the United States.

Program Outcomes

- Upon completion of the Certificate of Achievement in Retail Management (WAFC), students will be able to demonstrate the integration of basic management theories into supervisory and

management functions.

- Upon completion of the Certificate of Achievement in Retail Management (WAFC), students will be able to determine the demand for products and services offered by a firm and identify potential customers.
- Upon completion of the Certificate of Achievement in Retail Management (WAFC), students will be able to differentiate threshold issues involved in legal, ethical, and social responsibilities of management.
- Upon completion of the Certificate of Achievement in Retail Management (WAFC), students will be able to identify key business procedures relevant to a specific problem using appropriate technology.
- Upon completion of the Certificate of Achievement in Retail Management (WAFC), students will be able to integrate basic management theories into supervisor and management functions.
- Upon completion of the Certificate of Achievement in Retail Management (WAFC), students will be able to list current problems related to human behavior in organizations and detail management practices effective in managing those issues.
- Upon completion of the Certificate of Achievement in Retail Management (WAFC), students will be able to list resources and strategies for monitoring trends which help identify the need for new products and services.
- Upon completion of the Certificate of Achievement in Retail Management (WAFC), students will be able to summarize measures that can be taken by individuals and organizations to correct organizational dysfunctions.

Required Core: (16 Units)

BUSN 48 (Human Relations in Organizations).....	3
BUSN 56 (Introduction to Management)	3
BUSN 88 (Human Resources Management).....	3
CIS 55 (Integrating Office Application)	4
MKTG 50 (Introduction to Marketing)	3

List A: Select One Course from Each Area (9-10 Units)

Area 1

BUSN 1A (Financial Accounting).....	4
BUSN 51 (General Accounting).....	3

Area 2

BUSN 43 (Professional Communications).....	3
BUSN 52 (Business Communications)	3
BUSN 53 (Business Correspondence).....	3
CMST 10 (Interpersonal Communication).....	3

Area 3

MKTG 56 (Retail Strategies)	3
MKTG 60 (Retail Store Management)	3

Total Units 25-26

Certificate of Achievement Supervisory Management

About the Certificate

The Certificate of Achievement in Supervisory Management is designed to provide the training and skills necessary to effectively manage diverse groups and individuals. The certificate aims to help individuals, managers, and supervisors develop skills to achieve organizational objectives through the development of human resources management skills. Developing abilities in the areas of mobilization, organization, communication, evaluation and adaptation will be a focus.

Career Opportunities

An expanding global marketplace means that individuals have growing career options in which to utilize the knowledge and skills learned when studying supervision to work in any field, for a profit or not for profit entity, in any size or type of organization including large multinational companies either within the United States or internationally.

Program Outcomes

- Upon completion of the Certificate of Achievement in Supervisory Management, students will be able to analyze basic business documents to detect problems within an area of supervision.
- Upon completion of the Certificate of Achievement in Supervisory Management, students will be able to demonstrate effective strategies for team work, planning, organizing, leading, and controlling human resources.
- Upon completion of the Certificate of Achievement in Supervisory Management, students will be able to identify appropriate information compilation, reporting, storage and retrieval systems for common business situations.
- Upon completion of the Certificate of Achievement in Supervisory Management, students will be able to list the primary responsibilities of a supervisor in business today.

Required Core: (18 Units)

BUSN 30 (Business Ethics and Society).....	3
BUSN 48 (Human Relations in Organizations).....	3
BUSN 88 (Human Resources Management).....	3
BUSN 52 (Business Communications).....	3
BUSN 53 (Business Correspondence).....	3
BUSN 56 (Introduction to Management)	3

List A: Select One (3-4 Units)

BUSN 1A (Financial Accounting).....	4
BUSN 18 (Business Law).....	4
BUSN 40 (Introduction to Business).....	3
BUSN 51 (General Accounting)	3
BUSN 58 (Small Business Management)	3
CIS 55 (Integrating Office Application)	4
MKTG 60 (Retail Store Management)	3

List B: Select One (3-6 Units)

WRKX 94 (Occupational Work Experience/Internship)	3 - 6
WRKX 95 (General Work Experience)	3 - 6

Total Units 24-28

Certificate of Accomplishment Bookkeeping §

Program Outcomes

- Upon completion of the Certificate of Accomplishment in Bookkeeping, students will be able to perform a variety of functions in an accounting department, including; using accounting software to analyze and record financial transactions, analyze payroll transactions, prepare trial balance, file payroll tax returns, prepare and analyze invoices, calculate interest rates, shipping terms and prepare financial statement.

Required Core: (15 Units)

BUSN 61 (Quickbooks Accounting)	1.5
BUSN 51 (General Accounting)	3
BUSN 55 (Business Mathematics)	3
BUSN 63 (Payroll Accounting I)	2
CIS 54 (Excel: Intro to Spreadsheets)	4
CIS 88A (Introduction to Microsoft Word)	1.5

Total Units 15

§ This certificate is not transcribed. This group of courses provides industry-based professional development. Individual courses will appear on transcript. See a counselor for further information.

Certificate of Accomplishment Business Workforce Proficiency §

Program Outcomes

- Upon completion of the Certificate of Accomplishment in Business Workforce Proficiency, students will be able to apply standard business English to oral and written communications, including grammar, punctuation, mechanics, vocabulary, style, media, and usage.
- Upon completion of the Certificate of Accomplishment in Business Workforce Proficiency, students will be able to describe the work ethic needed for success in today's work environment.
- Upon completion of the Certificate of Accomplishment in Business Workforce Proficiency, students will be able to develop business communications that present information in an organized and concise manner.
- Upon completion of the Certificate of Accomplishment in Business Workforce Proficiency, students will be able to explain group dynamics as they apply to an individual working effectively within a group and within teams.
- Upon completion of the Certificate of Accomplishment in Business Workforce Proficiency, students will be able to identify

the primary business operations, business organizational options, and business procedures.

Required Core: (14 Units)

BUSN 40 (Introduction to Business)	3
BUSN 48 (Human Relations in Organizations)	3
CIS 43 (Professional Communications) or BUSN 43 (Professional Communications)	3
CIS 74 (Office Procedures)	3
PCN 15 (College Study Skills)	2

List A: Select One (1 Unit)

CIS 72A (Data Management)	1
CIS 72B (Basic Office integration)	1
CIS 73A (Ten-Key Skill Development)	1
CIS 75 (Office Technology/Communications)	1
CIS 84 (Windows)	1
CIS 89A (Desktop Presentation)	1

Total Units 15

§ This certificate is not transcribed. This group of courses provides industry-based professional development. Individual courses will appear on transcript. See a counselor for further information.

Keyboarding Competency for Certificate of Accomplishment – Business Workforce Proficiency

Students must demonstrate keyboarding speed of 40 net words per minutes. Competency can be met by completing Computer Information Systems 71C with a "C" or better or by presenting a Las Positas College Verification of Proficiency certifying 40 net words per minutes in a five (5) minute timing.

Business Courses (BUSN)

BUSN 1A FINANCIAL ACCOUNTING 4 UNITS

A study of accounting as an information system; examining why it's important, and how it's used by investors and creditors to make decisions. Includes the recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles and comparing it to international financial reporting standards, preparation and analysis of the classified financial statements for merchandising and service companies. Also includes issues related to recording and valuation of assets, liabilities, equities and cashflow, recognition of revenues, expenses using effective internal controls and ethical standards. (Formerly known as Principles of Accounting I.) 72 hours lecture, 18 hours laboratory. Transfer: CSU, UC; C-ID# ACCT 110.

Degree Applicable, Credit Grading Option: GR

BUSN 1B MANAGERIAL ACCOUNTING 4 UNITS

A study of the use of accounting data for managerial purposes including; planning, directing, and controlling activities. Includes broad coverage of concepts, structures, classifications, and behaviors of costs. Topics include; job costing, process costing, activity based costing, relationship between cost, volume and profitability, relevant range, standard costing, profit planning and budgeting, static and flexible budgeting, responsibility accounting and segment reporting, absorption and variable costing and capital expenditure decisions.

(Formerly known as Principles of Accounting II). Prerequisite: BUSN 1A with a minimum grade of C. 72 hours lecture, 18 hours laboratory. Transfer: CSU, UC; C-ID# ACCT 120.

Degree Applicable, Credit Grading Option: GR

BUSN 18 BUSINESS LAW 4 UNITS

A study of the legal environment of business. Covering laws and regulations impacting business transactions. Introduction to the legal process. Topics include sources of legal concepts and ethics, torts, contracts, UCC, warranties, product liability, consumer financial transactions, environmental, competition, agency, employment and labor, business organizations, and judicial and administrative processes. Strongly Recommended: BUSN 40 with a minimum grade of C, ENG 1A with a minimum grade of C. 72 hours lecture. AA/AS GE. Transfer: CSU, UC; C-ID# BUS 125.

Degree Applicable, Credit Grading Option: GR

BUSN 20 INTERNATIONAL BUSINESS 3 UNITS

Exploration of major factors involved in international entrepreneurship. Includes an overview of economic, historical, technological, legal, environmental, and educational implications on entrepreneurship. Analyzes cultural differences, issues and trends, which influence entrepreneurship and business decision-making. Options for emerging markets; international marketing; manufacturing, physical distribution, and foreign investment options are explored along with State and federal resources available to facilitate importing and exporting. Strongly Recommended: BUSN 40 and ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

BUSN 30 BUSINESS ETHICS AND SOCIETY 3 UNITS

A survey of the past and current behavior of business in America society. Examines the ethical, political and social issues confronting organizations and the organizations' responsibilities and obligations in responding to them. Discusses the responsibility of business toward customers, employees, stockholders, competitors, suppliers, government, and the community at large. Strongly Recommended: BUSN 40 with a minimum grade of C, Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU; CSU GE: D.

Degree Applicable, Credit Grading Option: GR

BUSN 33 PERSONAL FINANCIAL MANAGEMENT AND PLANNING 3 UNITS

Designed to provide students with the practical, hands-on means of successfully managing their personal finances and of becoming financially empowered upon course completion. Among other topics, the course will cover the basics of credit management, assessing insurance needs, budgeting, personal financial statement preparation, investment and savings accounts, management of taxes, retirement accounts, will preparation and estate planning. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

BUSN 40 INTRODUCTION TO BUSINESS 3 UNITS

A multidisciplinary examination and introduction to business operations within the U.S. and internationally. Provides an overview of global economic systems, business formations, business ethics and

laws, general accounting practices and financing, facility location and layout, production, organizational structures and management functions. Fundamentals of risk management, marketing, human resources, and employee motivation are covered. Demonstrates how culture, society, and external business environments impact a business' ability to achieve its organizational goals. Strongly Recommended: ENG 1A. 54 hours lecture. Transfer: CSU, UC; C-ID# BUS 110.

Degree Applicable, Credit Grading Option: OP

BUSN 43 PROFESSIONAL COMMUNICATIONS 3 UNITS

This course applies the principles of ethical and effective communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes critical thinking, planning, organizing, composing, and revising business documents using word processing software for written documents and presentation graphics software to create and deliver professional-level oral presentations. Additional focus will be placed on developing interpersonal skills, team participation skills, and technical report writing skills. Students who have completed or are enrolled in Computer Information Systems 43, Computer Networking Technology 43, or Computer Science 43 may not receive credit. Prerequisite: ENG 1A with a minimum grade of C. 54 hours lecture. Transfer: CSU; C-ID# BUS 115.

Degree Applicable, Credit Grading Option: OP

BUSN 45 ENTREPRENEURSHIP 3 UNITS

Explore the skills, aptitudes, and attitudes of individuals and teams engaged in entrepreneurial activities. Work with the various methods for recognizing business opportunities/ideas and develop selected portions of a business plan. Examine approaches to growing the business, and the mechanisms for operating a sound business. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

BUSN 48 HUMAN RELATIONS IN ORGANIZATIONS 3 UNITS

An introduction to the interpersonal skills needed in today's workplace with a focus on effective communication, decision making, cross cultural relations, diversity, resolving conflict, managing change, group dynamics, and ethical behavior. 54 hours lecture. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

BUSN 51 GENERAL ACCOUNTING 3 UNITS

Basic accounting skills for managers and entrepreneurs that provide a foundation in financial reporting and analysis, payroll taxes, and internal controls. The course includes practical application of accounting theory to the accounting cycles for service and merchandising businesses, including bookkeeping practices, common debit and credit procedures, books of original entry, working papers, adjusting and closing entries, income statement, statement of owner's equity, balance sheet, cash, payroll, and special journals. 54 hours lecture, 18 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

BUSN 52 BUSINESS COMMUNICATIONS 3 UNITS

Study of communication functions, choices and roles for professionals that help remove barriers. Practice in using verbal, nonverbal and writing skills to communicate one-on-one, in groups and electronically. Cross-cultural communications, face-to-face and online meetings management, delegating work assignments, planning, problem solving, conferences, employee counseling and making presentations. Strongly Recommended: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

BUSN 53 BUSINESS CORRESPONDENCE 3 UNITS

Development of skills for composing general business correspondence to a variety of audiences including multiple levels within an organization and cross cultural communications. Crafting messages, including e-mail, administrative communications, technical reports, meeting agendas, and meeting minutes. Determining the appropriate media for the communication, correct writing style, and level of terminology within the message. Emphasis on appropriate English grammar, spelling, on-line netiquette, and cross-cultural communications. Strongly Recommended: ENG 1A. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

BUSN 55 BUSINESS MATHEMATICS 3 UNITS

Mathematics to solve typical business problems including simple interest, compound interest, installment sales, trade and cash discounts, mark on percents, pricing, discounting notes and drafts, depreciation, taxes, insurance, statistics, stocks and bonds, and distribution of ownership and profits. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

BUSN 56 INTRODUCTION TO MANAGEMENT 3 UNITS

Introduction to the application of tools, principles and concepts in business management. Emphasis will be on planning, organizing, leading, and controlling. Additional topics will include decision-making, employee motivation, team work, and current trends. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

BUSN 58 SMALL BUSINESS MANAGEMENT 3 UNITS

Fundamentals for individuals starting, operating, and growing a successful small business enterprise. Emphasis on all endeavors: self-employment; freelancing; brick and mortar, pop-up and Internet retailing; technical and professional services; and franchising. Focus on achieving optimum benefits from limited resources; financing strategies; marketing options; legal, ethical, and regulatory issues encountered by all start-ups. Strongly Recommended: BUSN 1A with a minimum grade of C or BUSN 51 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

BUSN 61 QUICKBOOKS ACCOUNTING 1.5 UNITS

Introduction to the use of QuickBooks accounting software to process transactions related to a service and merchandising company.

Specific topics include using company files, sales and receivables, payables and purchases, bank and credit card reconciliations, end of period transactions and payroll. Transactions include journalizing, adjusting entries, closing entries, bank reconciliation and preparing financial statements. Strongly Recommended: BUSN 51 with a minimum grade of C, BUSN 1A with a minimum grade of C. 18 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

BUSN 63 PAYROLL ACCOUNTING I 2 UNITS

Learn about Payroll Accounting System based on state and federal payroll tax laws. Concepts covered include: Fair Labor Standards Act, employee and employer payroll tax deductions, payroll recordkeeping requirements, personnel records, unemployment tax acts, computing gross and net salaries, reading time cards, computing regular and overtime wage rates for hourly and salaried employees. Filing payroll tax returns and computing various payroll taxes including: Social Security tax, federal income tax, state income tax, federal unemployment tax, state unemployment tax and voluntary withholdings. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

BUSN 65 FEDERAL INCOME TAX ACCOUNTING 3 UNITS

A study and analysis of the principles of federal income tax applied to employees, self-employed individuals and rental income. Includes an overview of taxes related to partnerships, informational returns and corporate tax returns. Analysis of the Internal Revenue Code with examination of court rulings and regulations. Review of new legislation that alters existing tax law. Introduction to tax preparation software is included. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

BUSN 77 FINANCE AND INSURANCE PROCEDURES FOR MEDICAL OFFICES 3 UNITS

A comprehensive study of medical documentation, Insurance claims, coding, billing and collection strategies. Procedures and paperwork involving various insurance providers including the Affordable Care Act, Tricare, Medicare, and other relevant federal legislation. Medi-claim, workers' compensation, disability Insurance, and private insurance carriers in inpatient and outpatient care are also reviewed. HIPAA and other federal legislation, rules, and regulations involving patient confidential information will be analyzed. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

BUSN 88 HUMAN RESOURCES MANAGEMENT 3 UNITS

Introduction to the field of human resources with an emphasis on understanding the impact decisions and activities involving employees have on an organization's overall success. Focus on best practices in recruitment and selection, performance management, compensation and benefits, employee relations, workplace health and safety, and risk management strategies. Strongly Recommended: BUSN 56 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CHEMISTRY

The Chemistry Program offers a comprehensive curriculum to prepare students for transfer and completion of an Associate's degree with a strong emphasis on the hands-on use of research-grade instrumentation, chemical safety, and sustainable practices. The Program encourages and supports student participation in independent study projects and lab internships. Courses offered by the program fulfill many academic requirements including general education requirements in the Natural Sciences.

Programs of Study

Degrees:

- AS – Chemistry
- AS – Chemistry Education

Career Opportunities

The AS Chemistry degree provides entry-level opportunities as chemical or general laboratory technicians in industry and academia. Bachelor's degree opportunities include careers in technician-level research and development, energy, biotechnology, forensic science, pharmaceuticals, materials research and production, petrochemicals, food science, environmental science, businesses requiring technical management, service and sales, technical and science writing, teaching science education; and entry into professional studies in medicine, dentistry, pharmacy, and others. An AS in Chemistry Education may lead to careers in middle and high school science teaching. Chemistry majors interested in teaching at the college level and/or pursuing research careers will continue on to pursue postgraduate degrees.

AS – Chemistry

About the Degree

The AS - Chemistry degree prepares students for transfer to four-year institutions for continued study in the field of chemistry or for pre-professional studies for medical and dental programs. This program fulfills the lower-division requirements recommended by the American Chemical Society and is typical of requirements at four-year institutions. The program also satisfies lower division requirements in chemistry for engineering and biology transfer majors. General Education courses should be selected carefully to meet the requirements of the intended transfer institution. Some transfer institutions require more general education units than are required by the A.S. degree. Students should consult the catalog of the transfer institution for requirements and should consult a counselor for additional information.

Career Opportunities

The AS Chemistry degree provides entry-level opportunities as chemical or general laboratory technicians in industry and academia. Bachelor's degree opportunities include careers in technician-level research and development, energy, biotechnology, forensic science,

pharmaceuticals, materials research and production, petrochemicals, food science, environmental science, businesses requiring technical management, service and sales, technical and science writing, teaching science education; and entry into professional studies in medicine, dentistry, pharmacy, and others.

Program Outcomes

- Upon completion of the AS in Chemistry, the student should be able to demonstrate proficiency in solving complex problems in and conceptual understanding of General Chemistry as measured by the ACS Full-Year General Chemistry Exam.
- Upon completion of the AS in Chemistry, the student should be able to demonstrate proficiency in solving complex problems in and conceptual understanding of Organic Chemistry as measured by the ACS Full-Year Organic Chemistry Exam.

Required Core: (40 Units)

CHEM 1A (General College Chemistry I).....	5
CHEM 1B (General College Chemistry II).....	5
CHEM 12A (Organic Chemistry I)	5
CHEM 12B (Organic Chemistry II)	5
MATH 1 (Calculus I).....	5
MATH 2 (Calculus II)	5
MATH 3 (Multivariable Calculus).....	5
PHYS 1A (General Physics I)	5

List A: Select One (5 Units)

PHYS 1B (General Physics II)	5
PHYS 1C (General Physics III).....	5

Program-Based GE: (3 Units)

ENG 1A (Critical Reading and Composition)	3
---	---

Total Units for the Major 45

Additional General Education and Elective Units..... 12

Total Units 60

See the Las Positas College General Education Pattern for Associate of Science Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Recommended Electives:

- BIO 30 (Introduction to College Biology)
- BIO 40 (Humans and the Environment)
- CS 1 (Computing Fundamentals)
- MATH 5 (Ordinary Differential Equations)
- MATH 7 (Elementary Linear Algebra)
- PHYS 1B (General Physics II)
- PHYS 1C (General Physics III)
- PHYS 1D (General Physics IV)

AS – Chemistry Education

About the Degree

The AS in Chemistry Education degree fulfills the lower-division requirements for four-year BA Chemistry programs designed for future high school and middle school science teachers. The AS Degree is designed to articulate directly with four-year-institution teacher preparation programs with a focus on chemistry education, including single subject teacher preparation in science with a concentration in chemistry. An AS in Chemistry Education would also be an appropriate transfer preparation for students considering chemistry-related interdisciplinary fields.

Career Opportunities

An AS in Chemistry Education may lead to careers in middle and high school science teaching. Chemistry majors interested in teaching at the college level and/or pursuing research careers will continue on to pursue post-graduate degrees.

Program Outcomes

- Upon completion of the AS in Chemistry Education, the student should be able to demonstrate proficiency in solving complex problems in and conceptual understanding of General Chemistry as measured by the ACS Full-Year General Chemistry Exam.
- Upon completion of the AS in Chemistry Education, the student should be able to demonstrate proficiency in solving complex problems in and conceptual understanding of Organic Chemistry as measured by the ACS Full-Year Organic Chemistry Exam.

Required Core: (42 Units)

BIO 30 (Introduction to College Biology).....	4
CHEM 1A (General College Chemistry I)	5
CHEM 1B (General College Chemistry II).....	5
CHEM 12A (Organic Chemistry I).....	5
CHEM 12B (Organic Chemistry II).....	5
MATH 1 (Calculus I).....	5
MATH 2 (Calculus II)	5
PHYS 2A (Introduction to Physics I)	4
PHYS 2B (Introduction to Physics II)	4

Program-Based GE: (3 Units)

ENG 1A (Critical Reading and Composition)	3
---	---

Total Units for the Major 42

Additional General Education and Elective Units..... 15

Total Units 60

See the Las Positas College General Education Pattern for Associate of Science Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Recommended Electives are suggested for students interested in taking courses beyond unit requirement for degree:

EVST 5 (Energy and Sustainability)

GEOL 1 (Physical Geology)

BIO 40 (Humans and the Environment)

Chemistry Courses (CHEM)

CHEM 1A GENERAL COLLEGE CHEMISTRY I 5 UNITS

Introduction to atomic structure, bonding, stoichiometry, thermochemistry, gases, matter and energy, oxidation-reduction, chemical equations, liquids and solids, solutions, chemical energetics and equilibrium concepts. Laboratory includes both quantitative and qualitative experiments. Prerequisites: MATH 55 with a minimum grade of C or MATH 55B with a minimum grade of C and CHEM 31 with a minimum grade of C, the Chemistry 31 prerequisite can be fulfilled by demonstrating the appropriate skill level in the Chemistry Placement Process.. 54 hours lecture, 108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID# CHEM 110, CHEM 120 S (if taken with CHEM 1B). *CHEM 1A and 30A combined: maximum UC credit; one course.

Degree Applicable, Credit Grading Option: GR

CHEM 1B GENERAL COLLEGE CHEMISTRY II 5 UNITS

Continuation of Chemistry 1A. Includes chemical energetics and equilibria, solutions and ionic equilibria, acid-base chemistry, electrochemistry, coordination chemistry, kinetics, nuclear chemistry, organic chemistry, and the chemistry of family groups of the periodic table. Laboratory emphasizes quantitative techniques, including instrumentation, and qualitative analysis. Prerequisite: CHEM 1A with a minimum grade of C. 54 hours lecture, 108 hours laboratory. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID# CHEM 120 S (if taken with CHEM1A). *CHEM 1B and 30B combined: maximum UC credit, one course.

Degree Applicable, Credit Grading Option: GR

CHEM 12A ORGANIC CHEMISTRY I 5 UNITS

Hydrocarbons, alkyl halides, alcohols, ethers, and an introduction to aromatic hydrocarbons. Structure, bonding, stereochemistry, conformational analysis, nomenclature, and physical properties in relation to these particular groups of compounds. Emphasis on reactivity and reaction mechanisms. Laboratory work includes microscale, macroscale, spectroscopic, and chromatographic techniques. Chemistry 12A is the first semester in a year-long course in organic chemistry designed for students majoring in chemistry and related disciplines. Prerequisite: CHEM1B with a minimum grade of C. 54 hours lecture, 108 hours laboratory. Transfer: CSU, UC; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID# CHEM 150, CHEM 160 S (if taken with CHEM 12B).

Degree Applicable, Credit Grading Option: GR

CHEM 12B ORGANIC CHEMISTRY II 5 UNITS

Continuation of Chemistry 12A with an introduction to the chemistry of aromatics, amines, enols and enolate ions, carboxylic acids, aldehydes, ketones and biochemical topics focusing on structure, synthesis and mechanisms of reaction. Laboratory work in basic techniques, synthetic methods, qualitative, spectroscopic, and

chromatographic analysis techniques. Designed for students whose interests require a full year in-depth study of organic chemistry. Prerequisite: CHEM 12A with a minimum grade of C. 54 hours lecture, 108 hours laboratory. Transfer: CSU, UC; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID# CHEM 160 S (if taken with CHEM 12A).

Degree Applicable, Credit Grading Option: GR

**CHEM 29 INDEPENDENT STUDY, 0.5-2 UNITS
CHEMISTRY**

For course information, see "Independent Studies". 27-108 hours laboratory.

Grading Option: GR

**CHEM 30A INTRO AND APPLIED 4 UNITS
CHEMISTRY I**

Chemistry of inorganic compounds, atomic theory, bonding, equations, gas laws, solutions, acid-base theory and oxidation-reduction. Designed to meet the requirements of certain programs in allied health and technological fields and for general education. Prerequisite: MATH 110 with a minimum grade of C or MATH 110B with a minimum grade of C. 54 hours lecture, 54 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C. *CHEM 1A and 30A combined: maximum UC credit; one course.

Degree Applicable, Credit Grading Option: GR

**CHEM 30B INTRO AND APPLIED 4 UNITS
CHEMISTRY II**

Continuation of Chemistry 30A with emphasis on organic and biochemical concepts related to human physiological systems. Prerequisite: CHEM 30A with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C. *CHEM 1B and 30B combined: maximum UC credit; one course.

Degree Applicable, Credit Grading Option: GR

**CHEM 31 INTRO TO COLLEGE 4 UNITS
CHEMISTRY**

Elementary concepts of chemistry with emphasis on mathematical calculations; includes nomenclature, stoichiometry, atomic structure, gas laws, and acids and bases. Designed for majors in science and engineering. Prerequisite: MATH 55 with a minimum grade of C or MATH 55B with a minimum grade of C. 54 hours lecture, 54 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID# CHEM 101. *No UC credit if taken after CHEM 1A or 30A.

Degree Applicable, Credit Grading Option: OP

COMMUNICATION STUDIES

The Communication Studies program is designed to provide students with fundamental understanding of the principles of speech communication as well as experience in the application of these principles. Participation in these classes develops critical thinking, personal growth, research proficiency, presentation skills, and an understanding of diversity. Classes prepare students for transfer to four-year institutions and entry into careers in which effective communication skills are important, such as teaching, public relations, and law.

The Speech and Debate Team, otherwise known as "Forensics" or "The Talk Hawks" provides students with an intensive focus on enhancing research, writing, and performance skills. Forensics students compete on an intercollegiate basis at tournaments in the areas of Public Speaking, Oral Interpretation, and Debate. Besides traveling to competitions, students in the nationally and internationally renowned program also host a tournament and two Speech Performance nights per year. With this opportunity, students experience accelerated growth in their communication skills and self-esteem. More information can be found at:

<http://laspositascollege.edu/CMST/forensics.php>

Programs of Study

Degrees:

- AA-T – Communication Studies

AA-T – Communication Studies

About the Degree

The Las Positas College Communication Studies program offers courses that lead to an Associate in Communication Studies for Transfer degree. The major requirements for this degree align with the Intersegmental Transfer Model Curriculum (TMC) for Communication Studies. Students will have guaranteed admission to a California State University (CSU) campus upon successful completion of the program requirements. Students should talk with a counselor to determine whether or not this degree is the best option for their transfer goals. General education requirements should be selected carefully based on the intended transfer institution. The course work required for the AA-T in Communication Studies provides students with fundamental understanding of the principles of speech communication as well as experience in the application of these principles. Participation in Communication Studies classes develops critical thinking, personal growth, research abilities, presentation skills, and an understanding of the theories, perspectives, principles, and concepts behind human communication.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including

both of the following:

- a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education – Breath Requirements.
- b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Career Opportunities

The Associate in Communication Studies for Transfer is intended to provide an option for students who plan on completing a bachelor's degree in a similar major at a CSU campus. Communication Studies classes enrich students and prepare them for careers where strong communication skills are essential, such as teaching, law, public relations, sales, speech writing, and performance. A degree in Communication Studies can lay an amazingly effective foundation for a wide variety of innovative and communication-oriented careers.

Program Outcomes

- Upon successful completion of the AA-T in Communication Studies, the student will be able to describe the Communication discipline and its central questions.
- Upon successful completion of the AA-T in Communication Studies, the student will be able to employ communication theories, perspectives, principles, and concepts.
- Upon successful completion of the AA-T in Communication Studies, the student will be able to engage in communication inquiry.
- Upon successful completion of the AA-T in Communication Studies, the student will be able to create and deliver messages appropriate to the audience, purpose, and context.
- Upon successful completion of the AA-T in Communication Studies, the student will be able to critically analyze messages.
- Upon successful completion of the AA-T in Communication Studies, the student will be able to apply ethical communication principles and practices.
- Upon successful completion of the AA-T in Communication Studies, the student will be able to utilize communication to embrace difference.

Required Core: (3 Units)

CMST 1 (Fundamentals of Public Speaking)3

List A: Select Two (6 Units)

CMST 3 (Group Communication)3
 CMST 10 (Interpersonal Communication)3
 CMST 46 (Argumentation and Debate)3

List B: Select Two (6 Units)

Any List A course not already used.....3

CMST 2 (Oral Interpretation of Literature)3
 CMST 11 (Intercultural Communication)3
 CMST 48 (Activities in Forensics)3
 MSCM 5 (Introduction to Mass Communications)3

List C: Select One (3 Units)

Any List A or B course not already used3
 ANTR 3 (Cultural Anthropology)3
 CMST 4 (Introduction to Communication Studies)3
 CMST 5 (Readers Theater)3
 ENG 4 (Critical Thinking and Writing about Literature)3
 ENG 7 (Critical Thinking and Writing Across Disciplines)3
 MSCM 1 (Introduction to Reporting and Newswriting)3
 PSYC 1 (General Psychology)3
 SOC 1 (Principles of Sociology)3

Total Units for the Major 18

Additional General Education And Elective Units 42

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Communication Studies Courses (CMST)

CMST 1 FUNDAMENTALS OF PUBLIC SPEAKING 3 UNITS

Theory and techniques of public speaking. Discovery, development, and criticism of ideas in public discourse through research, reasoning, organization, composition, presentation, and evaluation of various types of speeches including informative and persuasive speeches; includes developing the faculties of critical listening and problem solving. Strongly Recommended: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: A1; IGETC: 1C.

Degree Applicable, Credit Grading Option: OP

CMST 2 ORAL INTERPRETATION OF LITERATURE 3 UNITS

Critical analysis, appreciation, and application of theories and techniques used to perform various forms of literature, including poetry, prose, and drama. Students will learn to evaluate, analyze, edit, and creatively perform selections of literature for an audience. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; C-ID# COMM 170.

Degree Applicable, Credit Grading Option: OP

CMST 3 GROUP COMMUNICATION 3 UNITS

Principles of communication in a variety of group contexts. Theory,

application, and evaluation of group communication processes, including norms, roles, problem solving, conflict management, decision making, and leadership. Includes participation in simulation exercises and group activities. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

CMST 4 INTRODUCTION TO COMMUNICATION STUDIES 3 UNITS

Introduction to the breadth of the communication discipline with a focus on the foundations of interpersonal communication, small group communication, and public speaking. Examination and practice of basic human communication principles and theories to develop critical thinking and communication competencies in a variety of contexts. Strongly Recommended: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D7; IGETC: 4; C-ID# COMM 115.

Degree Applicable, Credit Grading Option: OP

CMST 5 READERS THEATER 3 UNITS

Introduction to the various principles and techniques used in readers theater, a style of theater that combines oral interpretation and conventional theater to make literature come alive for the audience. Using prose, poetry, and drama literature, students will create, compile, analyze, stage, and perform one or more readers theater productions. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2.

Degree Applicable, Credit Grading Option: OP

CMST 10 INTERPERSONAL COMMUNICATION 3 UNITS

Exploration, discussion, and evaluation of the principles of the verbal and non-verbal communication process in relationships. Study of theory and research findings and their application to communication in interpersonal relationships in personal and professional contexts. Strongly Recommended: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: A1, D7, E; IGETC: 1C, 4G.

Degree Applicable, Credit Grading Option: OP

CMST 11 INTERCULTURAL COMMUNICATION 3 UNITS

Introduction to intercultural communication in domestic and/or global contexts. Influence of cultures, languages, and social patterns on how members of groups relate among themselves and with members of different ethnic and cultural groups. Theory, knowledge, appreciation, practical application and comparison of effective communication among diverse groups of people from different domestic and international cultures. Strongly Recommended: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D3, D7, E; IGETC: 4G.

Degree Applicable, Credit Grading Option: GR

CMST 46 ARGUMENTATION AND DEBATE 3 UNITS

Methods of critical inquiry and advocacy of contemporary moral, political, economic, and philosophical issues in a diverse

multicultural society. Identifying fallacies in reasoning and language, testing evidence and evidence sources, advancing a reasoned position, and defending and refuting arguments. Analysis, presentation, and evaluation of oral and written arguments. Strongly Recommended: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: A1, A3; IGETC: 1C.

Degree Applicable, Credit Grading Option: OP

CMST 48 ACTIVITIES IN FORENSICS 1-4 UNITS

Competition in the areas of public speaking and oral interpretation. Preparation, including research and writing; practice; and participation and performance in intercollegiate speech and debate tournaments. 54-216 hours laboratory. AA/AS GE. Transfer: CSU. Number of times course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: OP

COMPUTER INFORMATION SYSTEMS

Computer Information Systems (CIS) degree and certificate programs are for the business professional with an emphasis on a variety of computer subjects applicable to the most career paths. The types of jobs held by computer professionals fall into several general categories, including computer design and manufacturing, computer sales and service, system development and programming, computer operations, database management, technical support, and project management. The Computer Information Systems (CIS) program is designed to: introduce all students to basic computer literacy skills, build a solid foundation of knowledge to transfer to a four-year institution, enhance, improve, and upgrade current computer skills and business application proficiency, and provide classes necessary to acquire computer industry certifications.

Programs of Study

Degrees:

- AA – Computer Information Systems
- AS – Computer Information Technologist

Certificates of Achievement:

- Administrative Medical Assistant
- Computer Applications Software

Certificates of Accomplishment:

- Project Management
- Web Development

Career Opportunities

Include, but are not limited to: administrative assistant, office manager, customer service representative, project manager, database administrator, help desk specialist, receptionist, technical support specialist, website designer/webmaster, medical support assistant, finance clerk, and computer support. More information can be found at:

<http://www.laspositascollege.edu/compstudies/index.php>

These skills will prepare a student to enter into or advance within career patterns of the computer information systems industry. The degree is designed to prepare students for the employment market at the entry level in computer and information technology, provide a foundation for those students who plan to complete a four-year program in computer information systems or related fields of study, and upgrade current skills to facilitate assumption of assume greater responsibility in a current employment position.

Career Opportunities

Career Opportunities include, but are not limited to, administrative assistant, office administration, general business, web designer/webmaster, software installation and maintenance, software quality control, database management, help desk specialist, network administration and technical customer support.

Program Outcomes

- Upon successful completion of the AA in Computer Information Systems, it is anticipated that students will be able to analyze a business problem and develop a solution using appropriate applications software.

Required Core: (25 Units)

CIS 43 (Professional Communications)	3
CIS 50 (Intro to Computing Info Tech).....	3
CIS 55 (Integrating Office Application)	4
CIS 54 (Excel: Intro to Spreadsheets)	4
CIS 57 (Database Concepts).....	3
CIS 65 (Introduction to Desktop Operating Systems).....	2
CIS 66 (Networking Fundamentals)	3
CIS 88A (Introduction to Microsoft Word)	1.5
CIS 88B (Adv Microsoft Word).....	1.5

List A: Select from the Following (12-13 Units)

CIS 55B (Advanced MS Office Skills)	2
CIS 59 (Web Dev: HTML/CSS/Javascript)	3
CIS 59C (Web Programming - JavaScript).....	3
CIS 60 (Systems Analysis and Design)	3
CIS 62 (Project Management)	3
CIS 9001 (Database Design Methodology).....	3
CIS 9002 (ORACLE: Database Design and SQL Programming).....	3
CNT 51 (CompTIA's A+ Certification Computer Technician)	4
CS 7 (Introduction to Computer Programming Concepts).....	3

Total Units for the Major 37-38

Additional General Education And Elective Units 22-23

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Computer Information Systems

About the Degree

The Associate of Arts in Computer Information Systems is designed to prepare students in a wide range of information systems skills applicable to the "real business world," such as web development, systems analysis and design, programming, data communication and networking, communication technologies, and internet protocols.

AS – Computer Information Technologist

About the Degree

The Associate of Science in Computer Information Technologist degree was developed in conjunction with our local national labs and industry partners to provide students with a breadth of coursework and practical hands-on experience needed by entry level IT professionals. The program includes core courses that provide students with a strong foundation in: computer programming, computer networking, and database design and administration. Additional electives in each of the areas, provide students with the flexibility to focus their studies in one of these areas based on their interests and talents. Another key component of the degree will be internships and work experience opportunities to provide real-world opportunities to put the skills students have learned in the classroom to practical use.

Career Opportunities

Students completed the Associates of Sciences degrees in Computer Information Technologist will be prepared for careers in database design and administration, software development, network and systems administration, computer systems analysis, and computer help desk and system support.

Program Outcomes

- Upon completion of the AS in Computer Information Technologist, students shall be able to demonstrate a strong foundation of knowledge in computer programming, database design and administration, and computer networking.
- Upon completion of the AS in Computer Information Technologist, students will be able to demonstrate clear, compelling, analytical, and concise writing to professionally describe their programming, database, and networking project and skills.

Required Core: (23 Units)

CS 7 (Introduction to Computer Programming Concepts).....	3
CIS 43 (Professional Communications)	3
CIS 60 (Systems Analysis and Design)	3
CIS 65 (Introduction to Desktop Operating Systems) or CNT 50 (Introduction to Desktop Operating Systems)	2
CIS 66 (Networking Fundamentals) or CNT 52 (Networking Fundamentals)	3
CIS 9002 (ORACLE: Database Design and SQL Programming).....	3
CNT 69 (Network Security; CompTIA Security+ Certification).....	3
CS 41 (Intro to Linux/LPI Linux+ Certification) or CNT 7401 (Intro to Linux/LPI Linux+ Certification).....	3

List A: Select from the Following (10 Units)

Programming Electives

CS 2 (Computing Fundamentals II).....	4
CS 20 (Adv Prog w/Data Structures/C++).....	4

Networking/A+ Electives

CNT 51 (CompTIA's A+ Certification Computer Technician)	4
CNT 55 (Installing & Configuring Windows Server MCSA I)	3
CNT 56 (Administering Windows Server MCSA II).....	3

Database/Project Management Electives

CIS 62 (Project Management)	3
CIS 9001 (Database Design Methodology).....	3

List B: Select One Course from Each Area (7 Units)

Area 1

CS 1 (Computing Fundamentals I)	4
CS 31 (Java Programming).....	4

Area 2

CS 47 (Capstone Project).....	3
WRKX 94 (Occupational Work Experience/Internship)	3
WRKX 95 (General Work Experience)	3

Program-Based GE: (3 Units)

CIS 50 (Intro to Computing Info Tech).....	3
--	---

Total Units for the Major 40

Additional General Education And Elective Units 17

Total Units 60

See the Las Positas College General Education Pattern for Associate of Science Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Administrative Medical Assistant

About the Certificate

The Certificate of Achievement in Administrative Medical Assistant provides students with the required knowledge to work in healthcare providers offices such as physicians' offices, ancillary healthcare providers such as physical therapy, laboratory, radiology, and a wide variety of other supportive healthcare agencies. Courses in this comprehensive program provide a broad foundation of computer skills, healthcare terminology, and medical office skills designed to acquaint students with the roles and responsibilities related to the healthcare field, medical office procedures, healthcare finance and insurance issues, and actual practice in the healthcare arena.

Career Opportunities

Jobs include working in a physician's office, clinical laboratory, hospital admissions and records, urgent care centers, surgical clinics, physical therapy clinics, radiology centers, and medical billing practices.

Program Outcomes

- Upon successful completion of the Certificate of Achievement in Administrative Medical Assistant, it is anticipated that students will demonstrate an understanding of basic anatomy, physiology, and disease processes of the human body as it relates to patient medical history.
- Upon successful completion of the Certificate of Achievement in Administrative Medical Assistant, it is anticipated that students will be able to describe the characteristics and personal qualities that are important for an Administrative Medical Assistant and the importance of ethics, customer service and teamwork in the workplace.

Required Core (23.5 Units)

BIO 20 (Contemporary Human Biology).....	3
BIO 55 (Orientation to Health Care)	2
BUSN 77 (Finance and Insurance Procedures for Medical Offices) ..	3
CIS 8 (Essential Computing Skills)	2
CIS 43 (Professional Communications) or BUSN 43 (Professional Communications).....	3
CIS 75 (Office Technology/Communications)	1
CIS 79 (Medical Office Procedures)	3
EMS 30 (Emergency Medical Responder).....	3
EMS 62 (Basic Medical Terminology).....	3
EMS 70A (Community CPR & First Aid)	0.5

List A: Select One (3 Units)

WRKX 94 (Occupational Work Experience/Internship)	3
WRKX 95 (General Work Experience)	3

Total Units 26.5

Certificate of Achievement Computer Applications Software

About the Certificate

The Certificate of Achievement in Computer Applications Software is designed to prepare students to perform web development and programming, as well as basic data entry using standard and customized software products. This includes instruction in keyboarding skills, personal computer and workstation operation, and various interactive software programs used for tasks such as word processing, spreadsheets, databases, and others.

Career Opportunities

Career Opportunities include, but are not limited to, administrative assistant, receptionist, database manager, web design, desktop publishing office manager, and administrative support.

Program Outcomes

- Upon successful completion of the Certificate of Achievement in Computer Applications Software, it is anticipated that students will be able to create appropriate business documents including reports, letters, emails, project plans, messages, and websites, and apply standard business English including grammar, punctuation, and mechanics.

- Upon successful completion of the Certificate of Achievement in Computer Applications Software, it is anticipated that students will be able to analyze a business problem and develop a solution using appropriate application software.

Required Core: (23 Units)

CIS 43 (Professional Communications)	3
CIS 50 (Intro to Computing Info Tech).....	3
CIS 54 (Excel: Intro to Spreadsheets)	4
CIS 55 (Integrating Office Application)	4
CIS 57 (Database Concepts).....	3
CIS 75 (Office Technology/Communications)	1
CIS 88A (Introduction to Microsoft Word)	1.5
CIS 88B (Adv Microsoft Word).....	1.5
CIS 89A (Desktop Presentation).....	1
CIS 89B (Desktop Publishing)	1

List A: Select Two (6 Units)

CIS 46 (Game Programming: 2D and 3D)	3
CIS 59 (Web Dev: HTML/CSS/Javascript)	3
CIS 59C (Web Programming – JavaScript)	3
CS 7 (Introduction to Computer Programming Concepts).....	3

List B: Select from the Following (4-6 Units)

CIS 55B (Advanced MS Office Skills)	2
CIS 60 (Systems Analysis and Design)	3
CIS 62 (Project Management)	3
CIS 66 (Networking Fundamentals)	3
CNT 51 (CompTIA's A+ Certification Computer Technician)	4

List C: Select One (1-2 Units)

CIS 65 (Introduction to Desktop Operating Systems).....	2
CIS 84 (Windows).....	1

Total Units 34-37

Certificate of Accomplishment Project Management §

About the Certificate

This certificate program is designed for individuals who want to become project managers in their respective industries. Project Management is an important responsibility as more organizations use teams and project-based methods to get work done. Using a practicum-based approach, students apply the Project Management Book of Knowledge (PMBOK) guide to develop project management skills, and develop skills to enhance teamwork and communication. This certificate program introduces students to a career in project management and further prepares professionals who are already working in the field.

Career Opportunities

Career opportunities include but are not limited to: assistant/associate project manager, project coordinator, project scheduler, IT project manager, software project manager, office manager, event planner, and administrative assistant.

Program Outcomes

- Upon successful completion of the Certificate of Accomplishment in Project Management, it is anticipated that students will be able to analyze a business situation and prepare a response using appropriate business documents including reports letters, emails, and project plans that are clear, compelling, analytical, grammatically correct, and concise.
- Upon successful completion of the Certificate of Accomplishment in Project Management, it is anticipated that students will be able to develop survey questions to determine client requirements, develop project plans that ensure client satisfaction, and demonstrate clear, concise, and analytical writing.

Required Core: (9 Units)

CIS 50 (Intro to Computing Info Tech).....	3
CIS 60 (Systems Analysis and Design)	3
CIS 62 (Project Management)	3

List A: Select One (3-4 Units)

BUSN 52 (Business Communications).....	3
BUSN 56 (Introduction to Management)	3
CIS 43 (Professional Communications)	3
CIS 54 (Excel: Intro to Spreadsheets).....	4

Total Units 12-13

§ This certificate is not transcribed. This group of courses provides industry-based professional development. Individual courses will appear on transcript. See a counselor for further information.

Certificate of Accomplishment Web Development §

About the Certificate

The Web Development certificate program is designed to provide students skills that will enable them to develop interactive and dynamic websites. Course work includes web site development using HTML5 and CSS3, programming and scripting for the web using JavaScript and JQuery, and accessing data stored in databases using PHP and MySQL. Electives in the program enable students to develop skills in managing projects, designing effective user interfaces, using content management systems, and working with graphic images.

Career Opportunities

Careers include but are not limited to: web technician, web designer, web programmer, web content developer, and web site developer.

Program Outcomes

- Upon successful completion of the Certificate of Accomplishment in Web Development, it is anticipated that students will be able to create basic web pages that contain text (utilizing different fonts and colors), hyperlinks to other web sites, graphic images and sound.
- Upon successful completion of the Certificate of

Accomplishment in Web Development, it is anticipated that students will be able to create web pages that incorporate JavaScript controls.

Required Core: (9 Units)

CIS 59 (Web Dev: HTML/CSS/Javascript)	3
CIS 59C (Web Programming – JavaScript)	3
CIS 92 (Web: PHP Programming, MySQL)	3

List A: Select Two (6 Units)

CIS 50 (Intro to Computing Info Tech).....	3
CIS 62 (Project Management)	3
GDDM 2 (Wordpress and Content Management Systems)	3
GDDM 4 (User Interface and User Experience Design)	3
GDDM 53 (Photoshop I)	3

Total Units 15

§ This certificate is not transcribed. This group of courses provides industry-based professional development. Individual courses will appear on transcript. See a counselor for further information.

Computer Information Systems Courses (CIS)

CIS 8 ESSENTIAL COMPUTING SKILLS 2 UNITS

Fundamental computer competency course designed to develop the basic computer skills and knowledge required in today's technological world. Basic computer competency is no longer a nicety, but a necessity in our personal and work lives. Topics include: basic computer hardware/software, networks and the Internet, effective web searches, file management skills, and cloud storage options. Hands-on experience with word processing, spreadsheet, presentation, and database software using Microsoft Office. No previous experience with computers is required. 27 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 41 CYBERSECURITY CAMP 1 UNIT

This course will introduce the novice to cyber security career opportunities, cyber ethics, online safety, and cyber threats. Students will be introduced to cybersecurity principles, virtual machines, basic Windows and Linux administration security policies, fundamental CISCO network routing and CISCO packet tracer. As a culminating activity students will compete by analyzing and fixing vulnerabilities on the provided Windows and Linux images. Strongly Recommended: CIS 50 with a minimum grade of C and/or CNT 51 with a minimum grade of C. 9 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 42 CYBERSECURITY COMPETITION PREP 0.5 UNITS

This course prepares students to participate in cybersecurity competitions (CyberPatriot, National Cyber League, etc). Topics include an overview of cyber competitions, virtual machines, Linux operating systems and administration, Windows operating systems

and administration, CISCO networking, and packet tracer. Through business scenarios, students will create checklists of potential vulnerabilities and work in teams to secure networks and sensitive data. Strongly Recommended: CIS 41 with a minimum grade of C. 27 hours laboratory.

Degree Applicable, Credit Grading Option: OP

CIS 43 PROFESSIONAL COMMUNICATIONS 3 UNITS

This course applies the principles of ethical and effective communication to the creation of letters, memos, emails. And written and oral reports for a variety of business situations. The course emphasizes critical thinking, planning, organizing, composing, and revising business documents using word processing software for written documents and presentation-graphics software to create and deliver professional-level oral presentations. Additional focus will be placed on developing interpersonal skills, team participation skills, and technical report writing skills. Students who have completed or are enrolled in Business 43, Computer Information Systems 43, Computer Networking Technology 43, or Computer Science 43 may not receive credit. Prerequisite: ENG 1A with a minimum grade of C. 54 hours lecture. Transfer: CSU; C-ID# BUS 115.

Degree Applicable, Credit Grading Option: OP

CIS 46 GAME PROGRAMMING: 2D AND 3D 3 UNITS

Want to Play? You have played plenty of games. Now it is time to create your own! Design, develop and test small 2D and 3D computer games using game development software tools such as Scratch, Alice, or similar programming development programs. This first programming course will provide the student with an understanding of the principles of game design, genre-specific design issues, storytelling, image manipulation, and development teams. Programming experience is not required to get started. Although this course has a programming focus, other topics briefly covered will include the history of computer/video game technology, game genres and design principles, and the social impact of games. 45 hours lecture, 27 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

CIS 50 INTRO TO INFO COMPUTING INFO TECH 3 UNITS

A comprehensive introductory to the concepts of management and information systems used in business and similar organizations. Covers the role of information systems in business, the need for data and information, how computers are used in business and other organizations to provide information. Focus on information systems, database management system, networking, e-commerce, ethics and security, computer system hardware and software components. Students will interactively solve applied problems utilizing software productivity tools such as: word processors, spreadsheets, databases, presentation, WWW, and programming languages. Introduce the analytical, written and oral communication skills necessary to communicate effectively in a business computing environment. 54 hours lecture, 18 hours laboratory. AA/AS GE. Transfer CSU, UC; C-ID# BUS 140.

Degree Applicable, Credit Grading Option: OP

CIS 54 EXCEL: INTRO TO SPREADSHEETS 4 UNITS

This is a comprehensive spreadsheet class using Microsoft Excel to create a variety of spreadsheets with emphasis on business applications. Introductory, intermediate, and advanced topics are covered. Introductory topics include entering, editing, and formatting data, creating basic formulas using arithmetic operator and functions, creating charts, saving and printing worksheets. Intermediate topics include using Excel's Table features for sorting filtering and summarizing data, creating PivotTables, working with multiple worksheets and workbooks, naming cells, data validation, recording macros, and protecting worksheets. Advanced topics include using financial functions such as PMT, RATE, FV, creating nested IFs, using VLOOKUP and HLOOKUP functions, using What-If analysis tools such as Goal Seek, one and two variable Data Tables, and Scenario Manager, sharing workbooks, and integrating Excel with other Office applications. Strongly Recommended: CIS 50. 54 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 55 INTEGRATING OFFICE APPLICATION 4 UNITS

Develop essential workplace application skills using current Microsoft Office including; Word, Excel, PowerPoint, Access, One Note, Outlook, cloud storage and cloud processing. Emphasis is to design, produce and integrate documents, worksheets, databases and professional presentations. The use of Object Linking and Embedding (OLE) to integrate, share, and collaborate data within and between applications. Strongly Recommended: CIS 50 with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 55B ADVANCED MS OFFICE SKILLS 2 UNITS

Using a project-based, problem-solving approach, this course focuses on advanced features and integration of the core applications in the Microsoft Office suite (Word, Excel, PowerPoint, and Access). Strongly Recommended: CIS 55 with a minimum grade of C. 27 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 57 DATABASE CONCEPTS 3 UNITS

Introduction to Database Concepts, a computer program that is used to organize, store, and retrieve information. Understanding of data, database structure, and database objects using Microsoft Access or similar programs with emphasis on business applications. Identify and evaluate client needs/requirements and translate those needs into a working database application model. Integrate Microsoft Access data with other Microsoft applications, such as Word and Excel. Strongly Recommended: CIS 50 with a minimum grade of C and CIS 55 with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 59 WEB DEV: HTML/CSS/ JAVASCRIPT 3 UNITS

This course will provide a fundamental understanding of the methods and techniques of developing a simple to moderately complex

web site. Topics include: creating webpages with current standard webpage language (HTML), cascading style sheets (CSS), and Javascript. Exploration of incorporating images, audio/visual media, and interactive tools like forms and image maps. This course prepares apprentice Web developers to identify the information needs of a client, design appropriate WWW solutions, and implement them. Strongly Recommended: CIS 50 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 59C WEB PROGRAMMING - 3 UNITS
JAVASCRIPT

Develop client-side, interactive webpages using JavaScript and/or jQuery scripting languages. Write JavaScript scripts that manipulate with the JavaScript Document Object Model (DOM), control program flow, validate forms, animate images, target frames, and create cookies. Strongly Recommended: CIS 59 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 60 SYSTEMS ANALYSIS AND DESIGN 3 UNITS

The course presents a systematic methodology for analyzing a business problem or opportunity, determining the role which computer-based technologies can play in addressing the business need, articulating business requirements for the technology solution, specifying alternative approaches to acquiring the technology capabilities needed to address the business requirements, and specifying the requirements for the information systems solution in particular, in-house development, development from third-party providers, or purchased commercial-off-the-shelf packages. Provides the opportunity to follow systems development life cycle (SDLC): analyze current systems, design logical and physical systems, program development, implementation, testing, maintenance, and documentation. Strongly Recommended: CIS 50 with a minimum grade of C. 54 hours lecture, 18 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 62 PROJECT MANAGEMENT 3 UNITS

Using the Project Management Institute's (PMI) Guide to the Project Management Body of Knowledge (PMBOK), learn the basic characteristics of projects and project management, with emphasis on the five PMBOK project process groups of initiating, planning, executing, controlling, and closing and the nine knowledge areas of project integration. This introductory course covers the terminology you will need to know, how all the project management processes are linked together, the key areas of expertise you need to know to manage projects successfully. This course focuses on developing project management skills needed in typical technical and business environments. Objectives of project management industry certifications including Project+, CAPM, PMP will be reviewed. Strongly Recommended: CIS 60 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

CIS 63 ADVANCED PROJECT 3 UNITS
MANAGEMENT

In-depth study of project management methodologies. Covers best practices for on-time, on-budget project completion including

technology tools that can be used to track and expedite projects, leadership skills, interpersonal skills, and effective communications. Strongly Recommended: CIS 62 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 65 INTRODUCTION TO DESKTOP 2 UNITS
OPERATING SYSTEMS

By performing numerous hands-on labs, students in this class will gain an understanding of the most widely used desktop operating systems (including Windows, Apple OS X, and Linux) using command line and GUI interfaces. Students will use virtualization software to install and configure operating systems and user applications on a class room computer. Students will also experiment with remote computing and storage. The course includes information on mobile operating systems, as well as chapters on subjects peripheral to operating systems, such as computer security, desktop virtualization, and connecting computers and mobile devices to networks. Students who have completed or are enrolled in Computer Networking Technology 50 may not receive credit. Strongly Recommended: CIS 50 with a minimum grade of C. 18 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 66 NETWORKING FUNDAMENTALS 3 UNITS

This course provides an introduction to computer networking fundamentals skills needed to meet the industry demand for entry-level Network Technicians. Topics include: Ethernet network fundamentals, Local Area Networks (LANs), and Wide Area Networks (WAN) technologies, the Open Systems Interconnection (OSI) model, wiring implementations, network adapters and connectivity devices, IPv4/IPv6 addressing, Voice over IP (VoIP), and wireless standards. Tools to help prevent cyber attacks with IDS (Intrusion Detection Systems), authentication, and encryption are demonstrated. Student labs include: configuration of a SOHO (Small Office/Home Office), a firewall, a virtual private network (VPN), a switch, and a router and documenting a networking using professional drawing software. The responsibilities of an ICT (Information and Communications Technology) professional will be introduced. This course prepares students for the CompTIA Network+ Certification Exam. This professional certification verifies the student has the knowledge equivalent to that of an ICT technician with about 12 months of hands-on experience. Strongly Recommended: CIS 50 with a minimum grade of C. 54 hours lecture, 18 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 71 COMPUTER TYPING 1 UNIT

Individualized, hands-on courses in computer keyboarding. Upon individual assessment of keyboard skills, students are transferred into one of the following modules: CIS 71A Keyboarding (The Alphabet), CIS 71B Keyboard (Numbers & Symbols), or CIS 71C Skills Improvement. 54 hours laboratory.

Degree Applicable, Credit Grading Option: OP

CIS 71A KEYBOARDING 1 UNIT
(THE ALPHABET)

Introduction to the alphabet letter keys on the computer keyboard

for touch-typing. Learn basic keyboarding techniques for accuracy and speed. This course is the first in a series of sequential courses in keyboarding instruction. Students are advised to take these courses in sequence for best training results. 54 hours laboratory.

Degree Applicable, Credit Grading Option: OP

CIS 71B KEYBOARD (NUMBERS AND SYMBOLS) 1 UNIT

Introduction to the numbers and symbol keys on the computer keyboard for touch typing. Review of alphabetic keys and common punctuation marks. Speed building and accuracy improvement. Strongly Recommended: CIS 71A with a minimum grade of C. 54 hours laboratory.

Degree Applicable, Credit Grading Option: OP

CIS 71C SKILLS IMPROVEMENT 1 UNIT

Development of keyboarding skill for those students who have learned the location of the keys on the keyboard by touch and are ready to increase speed and accuracy. Practice keyboarding control of speed and accuracy on straight copy, rough draft copy, and copy with numbers, and symbols. Skill progress is measured by keying text within specified time limits. Students should know the location of the keys on the keyboard before attempting this course. This course is the third module in a sequential series of beginning keyboarding instruction. Strongly Recommended: CIS 71B with a minimum grade of C. 54 hours laboratory.

Degree Applicable, Credit Grading Option: OP

CIS 72A DATA MANAGEMENT 1 UNIT

Individualized instruction on the theory and practice of alphabetic, numeric, geographic, and subject filing. Basic principles of filing and effective records management for both paper and electronic filing systems. Introduction to database functions, such as enter, editing, finding, and deleting records, creating queries, and printing report. 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 72B BASIC OFFICE INTEGRATION 1 UNIT

Using a project-based approach, students will be introduced to features that enable data to be transferred between programs such as Microsoft Office applications or Google applications. Using the techniques introduced in this course, students will be able to incorporate data and charts created in Excel or Google Sheets into Word or Google Docs documents and PowerPoint or Google Presentations, use worksheet data to create tables in an Access database, and use a Word or Google Docs documents to create presentations. Strongly Recommended: CIS 50 with a minimum grade of C or CIS 8 with a minimum grade of C. 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 73A TEN-KEY SKILL DEVELOPMENT 1 UNIT

Skill development on the computer numeric keypad, electronic calculator including use of memory functions, and data entry using spreadsheets. 54 hours laboratory.

Degree Applicable, Credit Grading Option: OP

CIS 74 OFFICE PROCEDURES 3 UNITS

Introduction to office principles, procedures, and technology. Topics include telephone skills, office equipment, working effectively in a team environment, records management, customer service, meeting/event planning, postal/shipping services, utilizing the internet for on-line services and resources, using appropriate software to complete common tasks, written and oral business communications, conflict resolution, and office etiquette. Prepares administrative professionals to work in a diversified workforce with emerging technologies. (Formerly BUSN 74.) Strongly Recommended: CIS 8 with a minimum grade of C and CIS 71C with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 75 OFFICE TECHNOLOGY/ COMMUNICATIONS 1 UNIT

Overview of various technologies (such as video-conferencing, cloud services and storage, mobile devices) used for communicating internally and externally in the workplace. Hands-on practice with Outlook (email, contact management, calendaring), cloud-based applications and data storage, and telephone techniques. Strongly Recommended: Eligibility for ENG 1A, CIS 71A with a minimum grade of C. 54 hours laboratory.

Degree Applicable, Credit Grading Option: OP

CIS 79 MEDICAL OFFICE PROCEDURES 3 UNITS

Medical office principles and procedures to include telecommunications, scheduling appointments, office equipment, medical documents and word processing, managing medical records, recordkeeping, expense reports, petty cash, billing, postal services, health insurance, coding, and utilizing the Internet for online resources. The importance of medical ethics in application of professional office behavior. Overview of medical law and careers in medical office environment. Strongly Recommended: CIS 8 with a minimum grade of C, CIS 88A with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 84 WINDOWS 1 UNIT

Hands-on class introducing Microsoft Windows operations. Topics include: logging in, the Windows Desktop, launching applications, working with multiple applications windows, proper shutdown techniques, and using Microsoft Edge to browse the web. File and folder management are also covered including creating folders, copying and moving files and folders, searching for specific files, and navigating drives and folders. 9 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 88A INTRODUCTION TO MICROSOFT WORD 1.5 UNITS

Develop the skills needed in the workplace to produce common business documents, such as letters, resumes, flyers, and reports. Topics include document creation and editing; use of Microsoft Word features to apply character and paragraph formatting; creating and formatting tables, enhancing visual appeal by incorporating graphics elements, using the mail merge feature, and printing documents.

Strongly Recommended: CIS 71A with a minimum grade of C. 18 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 88B ADV MICROSOFT WORD 1.5 UNITS

Advanced word processing techniques used to produce complex business documents. Includes topics such as format multiple page reports, create tables of contents and indexes, insert footnotes/endnotes, using Word's collaboration features to share documents, create macros to automate tasks, and integrate data from Excel and other programs. Strongly Recommended: CIS 88A with a minimum grade of C. 18 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 89A DESKTOP PRESENTATION 1 UNIT

Desktop presentation design techniques and enhancements. Application using current desktop presentation software. Hands-on experience creating, editing, saving, printing slide shows, incorporating graphics, charts, tables, SmartArt, sounds, and video, enhancing presentations using transitions and animations. 9 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 89B DESKTOP PUBLISHING 1 UNIT

Design professional-looking documents such as newsletters, flyers, and brochures quickly and easily using Microsoft Publisher. 9 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**CIS 92 WEB: PHP PROGRAMMING, 3 UNITS
MYSQL**

This course showcases the popular and powerful PHP (Hypertext Preprocessor), an open source, server-side scripting language that can be easily integrated with HTML and SQL. For web developers who need to add dynamic content to their web sites, including form processing, database-driven content, password protection, cookie processing. You will learn how PHP can be combined with MySQL to integrate database functions into websites. Strongly Recommended: CIS 59 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**CIS 9001 DATABASE DESIGN 3 UNITS
METHODOLOGY**

This course provides students with a vendor-neutral introduction to and an overview of database systems; including database design, conceptual, logical and physical data modeling, Entity Relationship models. This course includes sections on relational databases, Structured Query Language (SQL) and optimizing databases through normalization. You will apply your knowledge with hands-on labs designed to apply the intricacies of database design methodology. Strongly Recommended: CIS 57 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**CIS 9002 ORACLE: DATABASE DESIGN 3 UNITS
AND SQL PROGRAMMING**

In Database Design, students learn to analyze business scenarios and create data models, a conceptual representation of an organization's information. In Database Programming with SQL, students implement their database design by creating a physical database using Oracle Structured Query Language (SQL) to create, query manipulate, and control access to the data in a relational database. The SQL commands, functions, and operators supported by Oracle as extensions to standard SQL are emphasized. Students learn to create and maintain database objects such as tables, indexes, views, constraints, and sequences. Class is helpful in preparing students for the Oracle Certified Professional (OCP) exam. Strongly Recommended: CIS 57 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**CIS 9003 ORACLE: DATABASE 3 UNITS
PROGRAMMING WITH PL/SQL**

This course introduces students to Procedural Language/Structured Query Language (PL/SQL) through a project-based approach. Learn procedural logic constructs such as variables, constants, conditional statements and iterative controls; then execute and manage PL/SQL stored program units such as procedures, functions, packages, and database triggers. Learn the basic functionality of how to debug functions and procedures using the SQL Developer Debugger. Manage PL/SQL subprograms, triggers, declaring identifiers and trapping exceptions. Strongly Recommended: CIS 9002. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**CIS 9004 ORACLE: DATABASE 3 UNITS
ADMINISTRATION**

This course is designed to give students a firm foundation in basic administration of Oracle latest Database. In this class, students learn how to install and maintain Oracle Database. Gain a conceptual understanding of the Oracle database architecture and how its components work and interact with one another. Learn to create an operational database and properly manage the various structures in an effective and efficient manner including performance monitoring, database security, user management, and backup/recovery techniques. The lesson topics are reinforced with structured hands-on practices. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**CIS 9005 ORACLE: APEX APPLICATION 3 UNITS
DEVELOPMENT**

Introduction to the techniques and tools required to develop database driven web applications using Oracle Application Express (APEX). Using only a web browser and limited programming experience, you can develop and deploy professional applications. Students study how to design, develop and deploy responsive database-driven web applications using APEX. APEX integrated development environment is utilized to provide practical, hands-on activities. Strongly Recommended: CIS 9002 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

COMPUTER NETWORKING TECHNOLOGY

The Computer Networking Technology program prepares students for a variety of career opportunities including the networking field. CNT classes prepare students for industry certifications such as Cisco CCNA, Microsoft MCSE and MCSA, and CompTIA Net+, Security+ and A+. Constantly evolving and modernizing classes include targeted skills training in Emerging Technologies like Cloud Computing, IoT, Virtualization, Wireless, VoIP, Computer Forensics, Incident Response, Network Security and OS Hardening. Many of these subjects have become basic required knowledge even in other career fields. Students in Business, the Sciences, Arts and Administration of Justice will all need skills in network technologies to excel in their fields. The Certificate of Achievement and Career Certifications provide quick paths to validate training in today's important tech knowledge areas. The program also includes an AS degree in Network Security and Administration. This degree incorporates the latest in emerging technologies and skills employers are seeking.

Programs of Study

Degrees:

- AS – Network Security and Administration

Certificates of Achievement:

- Cisco Network Associate
- Computer Desktop OS Security
- Computer Network Technician
- CyberSecurity
- Digital Forensics Examiner
- IT Support Professional
- Microsoft Systems Administrator

Career Opportunities

Include but are not limited to: systems administrator, systems engineer, computer technician, customer service representative, help desk specialist, network administrator, and technical support specialist. More information can be found at:

<http://www.laspositascollege.edu/compstudies/index.php>

AS – Network Security and Administration

About the Degree

The Associate of Science in Network Security and Administration degree was developed in conjunction with our local national labs and industry partners to provide students with a solid background in the field of Computer Security. The focus on Cybersecurity will provide the student with some of the basic skills needed for an entry-level career in Cybersecurity. The courses provide an overview of the entire field. Topics covered will include Cisco Security, Windows Operating System security, Linux security, firewalls, cloud computing, security policies and procedures, e-mail & web security, and designing and building a secure computer network.

Career Opportunities

Students who complete the Associate of Sciences in Network Security and Administration degree will be prepared for careers in: Network Specialist/Technician/Engineer, Systems Specialist/Technician/Engineer, Microsoft Specialist/Technician/Engineer, Cisco Specialist/Technician/Engineer, Information Security Specialist, Cybersecurity Specialist, IT Specialist Information Security, IT Security Specialist/Consultant, Information Technology Specialist information Security, Incident Analyst/Responder, IT Auditor, Cyber Crime Analyst/Investigator, Cybersecurity Specialist/Technician, Cyber Risk Analyst, Cybersecurity Analyst, Cybersecurity Consultant, Information Security Consultant, Penetration & Vulnerability Tester, Cybersecurity Manager/Administrator, Cybersecurity Engineer, Cybersecurity Architect.

Program Outcomes

- Upon successful completion of the AS in Network Security and Administration, students will be able to analyze, design, and document computer and network specifications to meet client needs.
- Upon successful completion of the AS in Network Security and Administration, students will be able to demonstrate professional behavior such as working in a team and communicating in a professional manner.
- Upon successful completion of the AS in Network Security and Administration, students will be able to explain the basic objectives of cybersecurity and the importance of information security.
- Upon successful completion of the AS in Network Security and Administration, students will be able to install, configure, and manage computer and network hardware.
- Upon successful completion of the AS in Network Security and Administration, students will be able to install, configure, and manage operating systems.

Required Core: (28 Units)

CNT 43 (Professional Communications)	3
CNT 50 (Introduction to Desktop Operating Systems) or CIS 65 (Introduction to Desktop Operating Systems).....	2
CNT 51 (CompTIA's A+ Certification Computer Technician)	4
CNT 52 (Networking Fundamentals) or CIS 66 (Networking Fundamentals)	3
CNT 54 (Administering Windows Client)	4
CNT 55 (MCSA-I Windows Server Installation, Storage, and Compute)	3
CNT 69 (Network Security; CompTIA Security+ Certification).....	3
CNT 8001 (Introduction to Networks (CCNA1)).....	3

CNT 8002 (Routing and Switching Essentials (CCNA2)) 3

List A: Select Three (8-9 Units)

CNT 56 (MSCA II Networking with Windows Server) 3
 CNT 57 (MSCA III Identity with Windows Server).....3
 CNT 68 (Digital Forensics Fundamentals)3
 CNT 7285 (Cloud Infrastructure: CompTIA Cloud+ Certification)3
 CNT 7401 (Intro to Linux/LPI Linux+ Certification)3
 CNT 7501 (Ethical Hacking) 3
 CNT 7701 (IT Virtualization, Data Centers, VMware Certification)2
 CNT 8003 (Cisco CCNA3 Scaling Networks)3
 CNT 8004 (Cisco CCNA4 R&S Connecting Networks)3

Program-Based GE: (3 Units)

CIS 50 (Intro to Computing Info Tech).....3

Total Units for the Major36-37

Additional General Education And Elective Units 20-21

Total Units 60

See the Las Positas College General Education Pattern for Associate of Science Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

**Certificate of Achievement
Cisco Network Associate**

About the Certificate

The Cisco Network Associate program prepares students for a variety of career opportunities including the networking field. CNT classes prepare students for Cisco CCNA and CCNP certification tests, Microsoft MCSE and MCSA tests, and CompTIA Net+, Security+ and A+ tests. Constantly evolving and modernizing classes include targeted skills training in Emerging Technologies like Wireless, VoIP, VPN, Computer Forensics, Incident Response, Network Security and OS Hardening. Many of these subjects have become basic required knowledge even in other career fields. Students in Business, the Sciences, Arts and Administration of Justice will all need skills in network technologies to excel in their fields. This certificate incorporates the latest in Emerging Technologies and skills employers are seeking.

Career Opportunities

Network Administrator, Network Service Technician, Desktop Repair Technician, Help Desk Operator, Technical Support Technical, Technical Salesperson.

Program Outcomes

- Upon successful completion of the Certificate of Achievement in Cisco Network Associate, students will be able to configure a

LAN with routing, Troubleshoot LAN configuration.

- Upon successful completion of the Certificate of Achievement in Cisco Network Associate, students will be able to configure a WAN with routing, Troubleshoot WAN configuration.

Required Core: (23 Units)

CNT 43 (Professional Communications).....4
 CNT 50 (Introduction to Desktop Operating Systems).....2
 CNT 51 (CompTIA's A+ Certification Computer Technician)2
 CNT 52 (Networking Fundamentals).....3
 CNT 8001 (Introduction to Networks (CCNA1).....3
 CNT 8002 (Routing and Switching Essentials (CCNA2)3
 CNT 8003 (Cisco CCNA3 Scaling Networks).....3
 CNT 8004 (Cisco CCNA4 R&S Connecting Networks).....3

Total Units 23

**Certificate of Achievement
Computer Desktop OS Security**

About the Certificate

The Computer Desktop OS Security Certificate of Achievement program will give students the advanced skills needed to learn how to protect computer operating systems, secure electronic assets, prevent attacks, ensure the privacy of customers, and build secure infrastructures. Through six courses, students will have access to the latest research and best practices from cyber security professionals and faculty. The course material is condensed, relevant, and designed specifically for busy professionals in today's cyber workforce.

Career Opportunities

Students who obtain this certificate will be qualified for a number of careers in information technology and cybersecurity. Example careers include, but not limited to the following: Systems administration, network administration, network technician, systems technician, desktop support, and cybersecurity specialists.

Program Outcomes

- Upon successful completion of the Certificate of Achievement in Computer Desktop OS Security, students will be able to identify, install, configure, and manage common network cables, devices and services.
- Upon successful completion of the Certificate of Achievement in Computer Desktop OS Security, students will be able to demonstrate professional behavior such as working in a team and communicating in a professional manner.
- Upon successful completion of the Certificate of Achievement in Computer Desktop OS Security, students will be able to explain the basic objectives of cybersecurity and the importance of information security.
- Upon successful completion of the Certificate of Achievement in Computer Desktop OS Security, students will be able to install, configure, and manage computer and network hardware.
- Upon successful completion of the Certificate of Achievement in Computer Desktop OS Security, students will be able to install,

configure, and manage desktop operating systems.

Required Core: (19 Units)

CNT 50 (Introduction to Desktop Operating Systems)	2
CNT 51 (CompTIA's A+ Certification Computer Technician)	4
CNT 54 (Administering Windows Client)	4
CNT 68 (Digital Forensics Fundamentals)	3
CNT 69 (Network Security; CompTIA Security+ Certification)	3
CNT 7401 (Intro to Linux/LPI Linux+ Certification)	3

Total Units 19

Certificate of Achievement Computer Network Technician

About the Certificate

The Computer Network Technician Program consists of foundation courses designed to teach the skills necessary to assist with designing, configuring, installing, maintaining, and repairing work station and network systems, network devices and servers; and providing information, support and/or recommendations regarding desktop installations and configurations. Network Technicians support internal users with their computer and/or telecom equipment, in person or remotely. Network Technicians troubleshoot software and hardware issues, perform repairs as needed, typically under the instructions of an IT Manager, or as requested by clients. They ensure that all transmission media, mostly cable links, are intact and offer quality uninterrupted communications to all users.

Career Opportunities

Computer Technician, Network Technician, Network Administrator, Computer Support Specialist, Cable Installer, Network Installer, Help Desk Support Specialist, Bench Technician.

Program Outcomes

- Upon successful completion of the Certificate of Achievement in Computer Network Technician, students will be able to analyze, design and document computer network specifications to meet client needs.
- Upon successful completion of the Certificate of Achievement in Computer Network Technician, students will be able to demonstrate professional behavior such as working in a team and communicating in a professional manner.
- Upon successful completion of the Certificate of Achievement in Computer Network Technician, students will be able to install, configure, and manage client and server operating systems.
- Upon successful completion of the Certificate of Achievement in Computer Network Technician, students will be able to install, configure, and manage computer hardware.

Required Core: (17 Units)

CNT 43 (Professional Communications)	4
CNT 50 (Introduction to Desktop Operating Systems) or CIS 65 (Introduction to Desktop Operating Systems)	2
CNT 51 (CompTIA's A+ Certification Computer Technician)	4

CNT 52 (Networking Fundamentals)	3
CNT 54 (Administering Windows Client)	4

Total Units 17

Certificate of Achievement CyberSecurity

About the Certificate

The Las Positas Computer Network Technology program offers courses that lead to a Certificate of Achievement in Cyber Security. The certificate prepares students for direct job entry covering a wide array of professions such as Cyber Security Engineer, Security Administrator as well as Security Architect. This program also prepares the student for the fast paced changes in Cyber Security technologies as they emerge in the industry to assure a well prepared graduate for the marketplace.

Career Opportunities

CyberSecurity Engineer, CyberSecurity Specialist, Forensic Computer Analyst, Penetrator Tester, Security Architect, Security Systems Administrator.

Program Outcomes

- Upon successful completion of the Certificate of Achievement in CyberSecurity, students will have the analytical thinking and critical analysis skills necessary to analyze and solve computer network security issues to help protect computers and computer networks using multiple operating systems.
- Upon successful completion of the Certificate of Achievement in CyberSecurity, students will have the group collaboration and communications skills necessary to work effectively in a team to solve computer networking security issues and to document and present information on security risks and planned responses.

Required Core (19 Units)

CNT 51 (CompTIA's A+ Certification Computer Technician)	4
CNT 52 (Networking Fundamentals)	3
CNT 55 (MCSA-I Windows Server Installation, Storage, and Compute)	3
CNT 69 (Network Security Sec+)	3
CNT 68 (Digital Forensics Fundamentals)	3
CNT 7501 (Ethical Hacking)	3

List A: Select Three (9 Units)

CIS 43 (Professional Communications)	3
CNT 7285 (Cloud Infrastructure: CompTIA Cloud+ Certification)	3
CNT 7401 (Intro to Linux/LPI Linux+ Certification)	3
CNT 7701 (IT Virtualization, Data Centers, VMware Certification)	3
CS 7 (Introduction to Computer Programming Concepts)	3

Total Units 28

Certificate of Achievement Digital Forensics Examiner

About the Certificate

The Digital Forensics Examiner Certificate of Achievement program provides a foundation for the performance of activities within the digital forensics professions. A sequence of courses will enable students to: (1) acquire a knowledge base about computer crime, digital evidence and technological investigations; (2) adopt a set of professional values; and (3) develop skills related to best practices in the field of digital forensics. Students completing the Digital Forensics Certificate will be prepared to engage in digital forensic analysis in public or private sector environments as digital forensics analysts or examiners, digital evidence technicians, consultants and expert witnesses, litigation support and e-discovery specialists, and members of incident response teams in cyber security. Individuals working in Digital Forensics or a related field will enhance their current knowledge and skills.

Career Opportunities

Computer forensics examiner, Security consultant, Certified computer forensics examiner (CCFE), Mobile forensics expert, Computer crime investigator, Cryptanalyst, Cryptographer, Disaster recovery expert, Information Technology Auditor, Malware Analyst, Information Security Analyst, Forensic Computer Analyst, Information Systems Security Professional.

Program Outcomes

- Upon successful completion of the Certificate of Achievement in Digital Forensics Examiner, students will be able to image and examine evidence in a forensically sound manner.
- Upon successful completion of the Certificate of Achievement in Digital Forensics Examiner, students will be able to perform evidence examination and evaluation and present in a standard forensic case report.

Required Core: (23 Units)

AJ 60 (Criminal Law)	3
CNT 51 (CompTIA's A+ Certification Computer Technician)	4
CNT 69 (Network Security; CompTIA Security+ Certification)	3
CNT 68 (Digital Forensics Fundamentals)	3
CNT 7401 (Intro to Linux/LPI Linux+ Certification)	3
CNT 7501 (WhiteHat Hacker Penetration Testing)	4
CNT 8001 (Introduction to Networks (CCNA1))	3
Total Units	23

Certificate of Achievement IT Support Professional

About the Certificate

This program includes curriculum from the Computer Technology Industry Association (CompTIA) and Google designed to prepare

student for an entry-level role in IT support. Courses in this program introduce students to troubleshooting and customer service, networking, operating systems, system administration, and security — all the fundamentals of IT support that are critical for success in the workplace. Students successfully completing the program can achieve the Google IT Support Professional certificate and will be prepared to take the CompTIA A+, Network +, and Security + certification tests.

Career Opportunities

Students who obtain this certificate will be qualified for a number of careers in information technology including computer technician, network technician, systems technician, computer user support specialists, and desktop support.

Program Outcomes

- Upon successful completion of the Certificate of Achievement in IT Support Professional, students can achieve the Google IT Support Professional certificate and will be prepared to take the CompTIA A+, Network+, and Security+ certification tests.

Required Core: (13 Units)

CNT 51 (CompTIA's A+ Certification Computer Technician)	4
CNT 52 (Networking Fundamentals)	3
CNT 55 (MCSA I Windows Server Installation, Storage, and Compute)	3
CNT 69 (Network Security; CompTIA Security+ Certification)	3
Total Units	13

Certificate of Achievement Microsoft Systems Administrator

About the Certificate

The Microsoft Systems Administrator Certificate program will give students the advanced skills needed to learn how to install, configure and manage Microsoft client and server operating systems. Students will also learn enterprise services such as Active Directory and network infrastructure. Students who complete this program are eligible to test for the Microsoft Certified Solutions Associate, an industry-recognized certification, and to continue their education with the Microsoft Systems Administrator Certificate from Las Positas College.

Career Opportunities

Potential jobs include network administrator, computer technicians, IT infrastructure designer, IT consultant, SOHO installers, cabling technicians, computer auditors, and most jobs related to computer networks.

Program Outcomes

- Upon successful completion of the Certificate of Achievement in Microsoft Systems Administrator, students will be able to analyze, design and document computer network specifications to meet client needs.
- Upon successful completion of the Certificate of Achievement

in Microsoft Systems Administrator, students will be able to analyze, design, and document Windows enterprise services to meet client needs.

- Upon successful completion of the Certificate of Achievement in Microsoft Systems Administrator, students will be able to demonstrate professional behavior such as working in a team and communicating in a professional manner.
- Upon successful completion of the Certificate of Achievement in Microsoft Systems Administrator, students will be able to install, configure, and manage client and server operating systems.
- Upon successful completion of the Certificate of Achievement in Microsoft Systems Administrator, students will be able to install, configure, and manage network dependencies and services.
- Upon successful completion of the Certificate of Achievement in Microsoft Systems Administrator, students will be able to install, configure, and manage Windows client operating systems.
- Upon successful completion of the Certificate of Achievement in Microsoft Systems Administrator, students will be able to manage users, computers, and groups in Active Directory.

Required Core: (18 Units)

CNT 50 (Introduction to Desktop Operating Systems) or CIS 65 (Introduction to Desktop Operating Systems).....	2
CNT 52 (Networking Fundamentals).....	3
CNT 54 (Administering Windows Client)	4
CNT 55 (MCSA I Windows Server Installation, Storage, and Compute).....	3
CNT 56 (MCSA II Networking with Windows Server)	3
CNT 57 (MCSA III Identity with Windows Server).....	3

Total Units 18

**Computer Networking
Technology Courses (CNT)**

CNT 43 PROFESSIONAL COMMUNICATIONS 3 UNITS

This course applies the principals of ethical and effective communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes critical thinking, planning, organizing, composing, and revising business documents using word processing software for written documents and presentation-graphics software to create and deliver professional-level oral presentations. Additional focus will be placed on developing interpersonal skills, team participation skills, and technical report writing skills. Students who have completed or are enrolled in BUSN 43, CNT 43, or CS 43 may not receive credit. Prerequisite: ENG 1A with a minimum grade of C. 54 hours lecture. Transfer: CSU; C-ID# BUS 115.

Degree Applicable, Credit Grading Option: OP

CNT 50 INTRODUCTION TO DESKTOP OPERATING SYSTEMS 2 UNITS

By performing numerous hands-on labs, students in this class will gain an understanding of the most widely used desktop

operating systems (including Windows, Apple OS X, and Linux) using command line and GUI interfaces. Students will use virtualization software to install and configure operating systems and user applications on a class room computer. Students will also experiment with remote computing and storage. The course includes information on mobile operating systems, as well as chapters on subjects peripheral to operating systems, such as computer security, desktop virtualization, and connecting computers and mobile devices to networks. Students who have completed or are enrolled in Computer Information Systems 65 may not receive credit. Strongly Recommended: CIS 50 with a minimum grade of C. 18 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**CNT 51 COMP TIA A+ CERTIFICATION 4 UNITS
COMPUTER TECHNICIAN**

This course provides an introduction to the computer hardware and software skills needed to help meet the industry demand for entry-level PC Technicians. This course covers PC hardware, software, security, networking, laptops, printers, operational procedures, operating systems, security, troubleshooting, and mobile devices. The students will study the topics needed to become certified PC technicians. Preparation for the CompTIA A+ certification, which verifies knowledge equivalent to that of an entry-level ICT (Information and Communications Technology) technician with about 12 months of hands-on experience. The responsibilities of an ICT professional will be introduced. Strongly Recommended: CNT 50 with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU; C-ID# ITIS 110.

Degree Applicable, Credit Grading Option: OP

CNT 52 NETWORKING FUNDAMENTALS 3 UNITS

This course provides an introduction to computer networking fundamentals skills needed to meet the industry demand for entry-level Network Technicians. Topics include: Ethernet network fundamentals, Local Area Networks (LANs), and Wide Area Networks (WAN) Open Systems Interconnection (OSI) model, wiring implementations, network adapters and connectivity devices, IPv4/IPv6 addressing, Voice over IP (VoIP), and wireless standards. Tools to help prevent cyber attacks with IDS (Intrusion Detection Systems), authentication, and encryption are demonstrated. Student labs include: configuration of a SOHO (Small Office/Home Office), a firewall, a virtual private network (VPN), a switch, and a router and documenting a networking using professional drawing software. The responsibilities of an ICT (Information and Communications Technology) professional will be introduced. This course prepares students for the CompTIA Network+ Certification Exam. This professional certification verifies the student has the knowledge equivalent to that of an ICT technician with about 12 months of hands-on experience. Strongly Recommended: CIS 50. 54 hours lecture, 18 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 54 ADMINISTERING WINDOWS CLIENT 4 UNITS

In this class, students learn to install, configure, and manage the current Windows client workstation for a professional business network using virtualization and/or online using virtual labs. Course

content follows the Microsoft Official Academic course curriculum and is intended to prepare students to take the Microsoft client component of the Microsoft Certified Solutions Associate (MCSA) or the Microsoft Certified Solutions Expert (MCSE) certification exam. Topics include configuring device drivers, access control, networking, storage, apps, remote management, updates, data recovery, authentication, and advanced management tools. Strongly Recommended: CNT 51, CNT 52. 54 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 55 MCSA I WINDOWS SERVER 3 UNITS
INSTALLATION, STORAGE, AND
COMPUTE

This course prepares students for the Microsoft's Examination: Installation, Storage and Compute with Windows Server, which is the first of three exams a student must pass to obtain a MCSA (Microsoft Certified Solutions Associate) Certification. By passing this exam, one become a Microsoft Certified Professional (MCP) and gains access to MCP benefits. The MCSA Windows Server certification qualifies its holder for a position as a network or computer systems administrator or as a computer network specialist. The topics include installation, storage, and compute features and functionality available in the current Windows Server, Nano Server, images for deployment, storage solutions, data deduplication, high availability, disaster recovery, storage spaces direct, and failover clustering solutions. Also covered: Hyper-V and containers. Strongly Recommended: CNT 52 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 56 MCSA II NETWORKING WITH 3 UNITS
WINDOWS SERVER

This course prepares students for the Microsoft's Examination: Networking with Windows Server, which is the second of three exams a student must pass to obtain a MCSA (Microsoft Certified Solutions Associate) Certification. By passing this exam, one become a Microsoft Certified Professional (MCP) and gains access to MCP benefits. Through many hands-on labs, students will install and configure DNS, DHCP, IPAM, VPN and RADIUS. Also covered: managing DFS and branch cache solutions, and implementing Software Defined Networking (SDN) solutions such as Hyper-V Network Virtualization (HNV) and Network Controller, Implement Network Connectivity and Remote Access Solutions, Implement Core and Distributed Network Solutions. Strongly Recommended: CNT 55 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 57 MCSA III IDENTITY WITH 3 UNITS
WINDOWS SERVER

This course prepares students for the Microsoft's Examination: Identity with Windows Server, which is the second of three exams a student must pass to obtain a MCSA (Microsoft Certified Solutions Associate) Certification. By passing this exam, one become a Microsoft Certified Professional (MCP) and gains access to MCP benefits. In this course, students manage identities, install, configure, manage, and maintain Active Directory Domain Services (AD DS)

as well as implement Group Policy Objects (GPOs). Students also install and manage Active Directory Certificate Services (AD CS), Active Directory Federations Services (AD FS), Active Directory Rights Management Services (AD RMS), and Web Application proxy. Strongly Recommended: CNT 56 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 68 DIGITAL FORENSICS 3 UNITS
FUNDAMENTALS

A practical course in Digital Forensics; the detection, and investigation of incidents involving computers, networks, the Internet, and digital information. Case oriented, following the objectives for the CFE Computer Forensics Examiner certification exam and the International Association of Computer Investigative Specialists (IACIS), the class includes understanding and practice in basic computer forensics, methods of investigation, analysis of storage media, logs, and tracking persons and data, using court-approved evidence collection tools. Also covered, computer forensics as a profession; the computer investigation process, and technical writing. Strongly Recommended: CIS 66 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 69 NETWORK SECURITY; 3 UNITS
COMPTIA SECURITY+ CERTIFICATION

The CompTIA Security+ exam will certify the successful candidate has the knowledge and skills required to install and configure systems to secure applications, networks, and devices; perform threat analysis and respond with appropriate mitigation techniques; participate in risk mitigation activities; and operate with an awareness of applicable policies, laws, and regulations. The successful candidate will perform these tasks to support the principles of confidentiality, integrity, and availability. This course provides an introduction to the concepts and practices of secure network design and management using desktop and network operating systems, router and switch operating systems, hardware and software Firewall and VPN technology for wired and wireless systems. The program includes authentication methods and devices, protocol analysis and IP network troubleshooting, strategies for identifying and countering vulnerabilities, network media and topologies in a secure network, intrusion detection and forensic incident response. CompTIA Security+ meets the ISO 17024 standard and is approved by U.S. Department of Defense. Security+ is also compliant with government regulations under the Federal Information Security Management Act (FISMA). Strongly Recommended: CNT 51 with a minimum grade of C, CNT 52 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU; C-ID# ITIS 160.

Degree Applicable, Credit Grading Option: OP

CNT 72 CISCO BOOTCAMP 2 UNITS
CERTIFICATION PREP

This course covers preparation for the Cisco certification exams CCENT (Cisco Certified Entry-level Network Technician) and CCNA (Cisco Certified Networking Associate) exams. All Cisco certification exam objectives are covered conceptually, practically and specifically as they relate to the exam. Effective troubleshooting and Cisco recommended methods and nomenclature are reviewed and

practiced. Topics include: basic characteristics of Ethernet networks, LANs and WANs, Cisco router and switch configuration and IOS, RIP, OSPF, IGRP and EIGRP routing protocols, PPP, ISDN and Frame Relay concepts and configuration, IP network addressing, Switching, VLANs, VLSM, CIDR and network troubleshooting using Cisco methods and router and switch commands, and certification test methods, practice and preparation. Strongly Recommended: CNT 8001 with a minimum grade of C, CNT 8002 with a minimum grade of C or the equivalent industry experience. 27 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 7285 CLOUD INFRASTRUCTURE: 3 UNITS
COMPTIA CLOUD+ CERTIFICATION

IT professionals need to understand the concepts and principles required to build cloud infrastructure. This course covers the objectives of the CompTIA Cloud+ and Dell/EMC Cloud Infrastructure and Services (CIS) certification exams. Topics include: Cloud Computing Concepts; Models; Disk Storage Systems; Storage Networking; Network Infrastructure; Virtualization Components; Virtualization and the Cloud; Network Management; Performance Tuning; Systems Management; Security in the Cloud and Best Practices; Business Continuity and Disaster Recovery; Testing; Automation; and Changes. The EMC cloud computing reference model includes five fundamental layers (physical, virtual, control, orchestration, and service) and three cross-layer functions (business continuity, security, and service management). Technologies, components, processes, and mechanisms for each layer and cross-layer function will be covered. The course follows the U.S. National Institute of Standards and Technology as a guide for all definitions of cloud computing. Upon completing this course, participants will have the knowledge to make informed decisions on technologies, processes, and mechanisms required to build cloud infrastructure. CompTIA certification is normally valid for three years. Strongly Recommended: CNT 8001 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 7401 INTRO TO LINUX/LPI LINUX+ 3 UNITS
CERTIFICATION

This course provides hands-on training covering basic installation, management, configuration, documentation and hardware topics for the Linux/UNIX operating system on workstations in a network environment. The course includes comprehensive coverage of topics related to Linux distributions, installation, administration, X-Windows, and networking. Students who have completed or are enrolled in Computer Science 41 may not receive credit. Strongly Recommended: CNT 50 with a minimum grade of C. 45 hours lecture. 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 7501 ETHICAL HACKING 3 UNITS

This course introduces the network security specialist to the various methodologies for attacking a network. Students will be introduced to the concepts, principles, and techniques, supplemented by hands-on exercises, for attacking and disabling a network. These methodologies are presented within the context of properly securing the network. The course will emphasize network attack

methodologies with the emphasis on student use of network attack techniques and tools and appropriate defenses and countermeasures. Students will receive course content information through a variety of methods: lecture and demonstration of hacking tools will be used in addition to a virtual environment. Students will receive a hands-on practical approach in penetration testing measures and ethical hacking. Strongly Recommended: CNT 52 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 7701 IT VIRTUALIZATION, DATA 3 UNITS
CENTERS, VMWARE CERTIFICATION

With VMware, students learn about virtualization, SDNs (Software Defined Networks), data center management, and remote operation of IT infrastructures in the Cloud. Increasingly, businesses are moving their IT services to data centers, and skilled VMware professionals are and will be in high demand for the foreseeable future. vSphere - the major VMware platform - includes features for configuration, backup, cloning, resizing, securing, and moving virtual machines. Upon completion of this course, students will have covered the topics required for taking the examination for the VMware Certified Professional (VCP). This hands-on training course will have students install, configure, and manage different VMware virtualization products. VMware certification is normally valid for two years. Strongly Recommended: CNT 8001 with a minimum grade of C, CNT 51 with a minimum grade of C, CNT 52 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 8001 INTRODUCTION TO 3 UNITS
NETWORKS (CCNA1)

This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The course uses the OSI and TCP layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. At the end of the course, students build simple LAN topologies by applying basic principles of cabling; performing basic configurations of network devices, including routers and switches; and implementing IP addressing schemes. This course is preparation for the CompTIA Network+ certification exam. It also covers the first half of the CCENT Cisco Certified Entry-Level Network Technician Associate Cisco CCENT certification exam. CNT 8002 covers the second half. Students will get hands-on experience configuring Cisco routers and switches. Students should have strong basic computer skills and knowledge of Internet use. Strongly Recommended: CIS 50. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 8002 ROUTING AND SWITCHING 3 UNITS
ESSENTIALS (CCNA2)

This is the second course in the Cisco® Networking Academy®. This course describes the architecture, components, and operations of routers and switches in a small network. Students learn how to

configure a router and a switch for basic functionality. By the end of this course students will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPv2, single-area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks. Prerequisite: CNT 8001 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 8003 CISCO CCNA3 SCALING NETWORKS 3 UNITS

Architecture, components, and operations of routers and switches in large and complex networks. Configuring routers and switches for advanced functionality. Configuring and troubleshooting routers and switches and resolving common issues with OSPF, EIGRP, and STP in both IPv4 and IPv6 networks. Developing the knowledge and skills needed to implement a WLAN in a small-to-medium network. Preparation for Cisco certification examination. Prerequisite: CNT 8002 with a minimum grade of C. 45 hours lecture. 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 8004 CISCO CCNA4 R&S CONNECTING NETWORKS 3 UNITS

CCNA4 is the final course that may be used to prepare for the Cisco Certified Network Associate (CCNA). CCNA4 discusses the WAN technologies and network services required by converged applications in a complex network. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements. Students learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. By the end of this course, students will be able to configure and troubleshoot routers and switches, and resolve common issues with BGP, ACLs, WAN technologies, SPAN & RSPAN, Netflow, SNMPv1-3, Syslog, and IPSec & virtual private network (VPN) operations in a complex network. In addition, the course will assist the student in developing the skills necessary to plan and implement switching and routing policies. CCNA4 introduces students to intermediate level networking concepts and technologies using a hands-on approach. All work can be done on real current equipment and on virtual simulated equipment. LPC courses emphasize critical thinking, problem solving, collaboration, and the practical application of skills. Prerequisite: CNT 8003 with a minimum grade of C (May be taken concurrently) or permission of the instructor. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

COMPUTER SCIENCE

Las Positas College offers Degrees and Certificate programs in Computer Science that prepare students for direct job entry and/or preparation for transfer to a four-year university.

These programs cover a wide range of computer related professions that include programming, systems analysis, data processing, and computer science. Students will learn to direct computer operations by writing detailed instructions in computer languages to solve a variety of problems in business, government, and science. These include information acquisition, processing storage, and transmission, using computers and computer peripherals.

Principal areas of study within computer science include artificial intelligence; computer systems and networks; database systems; human factors; numerical analysis; programming languages; software engineering and theory of computing.

Programs of Study

Degrees:

- AS – Computer Science

Certificates of Achievement:

- Computer Programming
- Computer Programming for the Web

Career Opportunities

Include but are not limited to: Programmer, Programmer/Analyst, Business Analyst, Systems Analyst, Computer Scientist, Information Technologist, Information Systems Professional, Information Technology Professional, Programming Professional, Software Developer, or Software Engineer.

AS – Computer Science

About the Degree

The Las Positas Computer Science department offers course that lead to an Associate of Science in Computer Science degree designed to prepare students to transfer into a baccalaureate program in Computer Science or a related field. These programs cover a wide range of computer related professions that include programming, systems analysis, data processing, database analysis and computer science. As technologies in computer science change, so will the content of this degree to assure graduates have what they need to be successful in both the current and future market places.

Career Opportunities

Computer Software Programmer, Computer Software Tester, Systems Analyst, Software Designer, Mobile Application Developer, Database Designer, Administrator and Programmer.

Program Outcomes

- Upon successful completion of the AS in Computer Science, it is anticipated that students will be able to analyze, design, and solve complex computer-based problems using both logical and mathematical methods including the implementation of control and data structures.
- Upon successful completion of the AS in Computer Science, it is anticipated that students will be able to direct computer operations by writing detailed instructions in computer languages to solve a variety of problems.
- Upon successful completion of the AS in Computer Science, it is anticipated that students will be able to professionally describe and apply their skills in the design of their complex computer system or algorithm and be able to show how their solution is the most optimal.

Required Core: (30 Units)

CS 1 (Computing Fundamentals I)	4
CS 2 (Computing Fundamentals II).....	4
CS 17 (Discrete Mathematical Structures) or MATH 10 (Discrete Mathematical Structures)	4
CS 20 (Advanced Programming with Data Structures/C++)	4
CS 21 (Computer Organization and Assembly Language Programming)	4
MATH 1 (Calculus I).....	5
MATH 2 (Calculus II)	5

List A: Select One (3.5-5 Units)

MATH 7 (Elementary Linear Algebra)	3.5
PHYS 1B (General Physics II)	5

Program-Based GE: Select One (5 Units)

CHEM 1A (General College Chemistry I).....	5
PHYS 1A (General Physics I)	5

Total Units for the Major 33.5-35

Additional General Education and Elective Units... 20-21.5

Total Units 60

See the Las Positas College General Education Pattern for Associate of Science Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Computer Programming

About the Certificate

The Las Positas Computer Science program offers courses that lead to a Certificate of Achievement in Computer Programming. The certificate prepares students for direct job entry into areas such as computer programming in multiple languages, software testing,

and mobile application development. This program will also prepare students for any changes in computer programming technologies as they emerge in the industry to assure well prepared graduates for the market place.

Career Opportunities

Computer Programmer (C, C++, Java, Assembly Language), System/Unit/Integration Software Tester, Game Programming Intern, Software Information Developer.

Program Outcomes

- Upon completion of the Certificate of Achievement in Computer Programming, students will be able to professionally demonstrate the application of their skills in the development and testing of their solution to solve a specific computing project.
- Upon completion of the Certificate of Achievement in Computer Programming, students will be able to professionally describe and apply their skills in the design of their solutions as well as alternative technologies or solutions to solve their specific computing project.

Required Core: (18 Units)

CS 1 (Computing Fundamentals I)	4
CS 2 (Computing Fundamentals II).....	4
CS 43 (Professional Communications).....	3
CS 45 (Database Programming).....	4
CS 47 (Capstone Project).....	3

List A: Select Three (9-12 Units)

CS 16 (Mobile Application Development - iPhone)	3
CS 18 (Mobile Application Development - Android)	3
CS 20 (Advanced Programming with Data Structures/C++)	4
CS 21 (Computer Organization and Assembly Language Programming)	4
CS 31 (Java Programming).....	4
CIS 60 (Systems Analysis and Design)	3

Total Units 27-30

Certificate of Achievement Computer Programming for the Web

About the Certificate

The Las Positas Computer Science and Computer Information Systems programs offers courses that lead to a Certificate of Achievement in Computer Programming for the Web. The certificate prepares students for direct job entry into areas such as Web development, Mobile application development, Systems Analysis of Web solutions, SQL/PHP programming and database programming for the Web. This program will even prepare students for many of the changes in internet programming technologies as they emerge assuring a well prepared graduate for the market place.

Career Opportunities

Static and Dynamic Web Page Developer, PHP Developer for the

web, Web based database developer.

Program Outcomes

- Upon successful completion of the Certificate of Achievement in Computer Programming for the Web, students will be able to direct computer operations by writing detailed instructions in computer languages.
- Upon successful completion of the Certificate of Achievement in Computer Programming for the Web, students will be able to implement interactive web pages using high level programming language instructions to implement specific information internet-based solutions.
- Upon successful completion of the Certificate of Achievement in Computer Programming for the Web, students will be able to professionally demonstrate the application of their web development skills in the development of their solution to solve a specific internet-based computer project.

Required Core:(18 Units)

CIS 60 (Systems Analysis and Design)	3
CIS 59 (Web Dev: HTML/CSS/Javascript)	3
CIS 92 (Web: PHP Programming, MySQL)	3
CS 7 (Introduction to Computer Programming Concepts).....	3
CS 43 (Professional Communications).....	3
CS 47 (Capstone Project).....	3

List A: Select Three (9-11 Units)

CIS 59C (Web Programming - JavaScript).....	3
CS 16 (Mobile Application Development - iPhone)	3
CS 18 (Mobile Application Development - Android)	3
CS 31 (Java Programming).....	4
CS 45 (Database Programming).....	4

Total Units 27-29

Computer Science Courses (CS)

CS 1 COMPUTING FUNDAMENTALS I 4 UNITS

Introduction to programming and problem-solving using C++. Problem solving techniques and algorithms; program design, development, style, testing and debugging. C++ syntax covered includes: variables; data types; operators and expressions; control structures; library and user-defined functions; basic input/output; arrays; user-defined data structures. Strongly Recommended: MATH 107. 54 hours lecture, 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID# COMP 122.

Degree Applicable, Credit Grading Option: OP

CS 2 COMPUTING FUNDAMENTALS II 4 UNITS

Application of software engineering techniques to the design and development of large programs. Object-oriented programming methods and problem-solving strategies applied to intermediate-level problems using C++. Includes pointers and dynamic allocation; classes; encapsulation; inheritance and polymorphism; object and

function overloading; recursive algorithms; data abstraction and structures. Strongly Recommended: CS 1. 54 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

CS 7 INTRODUCTION TO COMPUTER PROGRAMMING CONCEPTS 3 UNITS

An introductory course in computer programming concepts and fundamental coding skills using object-oriented languages like Python. Material includes problem-solving techniques, design of algorithms, and common programming constructs such as variables, expression, input/output, decision-making, loops, and arrays. 45 hours lecture, 27 hours laboratory. Transfer: CSU, UC; C-ID# COMP 112.

Degree Applicable, Credit Grading Option: OP

CS 16 MOBILE APPLICATION DEVELOPMENT-IPHONE 3 UNITS

Object-oriented programming in Swift for the iPhone, iPad and related platforms at a beginning to intermediate level. Introduction to the iOS mobile platform. Introduction to Swift syntax and concepts and the iOS application programming interface (API), including: classes, objects, inheritance, protocols, optionals, arrays, dictionaries, and closures; creating user interfaces; using graphics and audio; responding to touch-based user interaction. Strongly Recommended: CS 1. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CS 17 DISCRETE MATHEMATICAL STRUCTURES 4 UNITS

Designed for majors in mathematics and computer science, this course provides an introduction to discrete mathematical structures used in Computer Science and their applications. Course content includes: Propositional and predicate logic; rules of inference; quantifiers; elements of integer number theory; set theory; methods of proof; induction; combinatorics and discrete probability; functions and relations; recursive definitions and recurrence relations; elements of graph theory and trees. Applications include: analysis of algorithms, Boolean algebras and digital logic circuits. Students who have completed, or are enrolled in, MATH 10 may not receive credit. Prerequisites: MATH 1 with a minimum grade of C (may be taken concurrently), CS 1 with a minimum grade of C (may be taken concurrently). 72 hours lecture, 18 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B4; IGETC: 2A; C-ID# COMP 152.

Degree Applicable, Credit Grading Option: GR

CS 18 MOBILE APPLICATION DEVELOPMENT - ANDROID 3 UNITS

This programming course is intended for those students who already have completed an introductory programming course and presents a comprehensive study of concepts and skills in Android programming and helps students develop applications for mobile devices. Students will use a software emulator to develop applications and a real mobile device to demonstrate applications. The focus is on Computer Science concepts needed to develop, debug, and test a variation of existing applications. Strongly Recommended: CS 31 with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CS 20 ADVANCED PROGRAMMING WITH DATA STRUCTURES/C++ 4 UNITS

Design and implementation of complex programs in C++ using a variety of fundamental data structures and algorithms. Includes the design and implementation of recursive functions, abstract data types, linked lists, stacks, queues, binary trees, hash tables, induction, searching and sorting algorithms, graphs, heaps and algorithm analysis. Strongly Recommended: CS 2 with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

CS 21 COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE PROGRAMMING 4 UNITS

Basics of machine architecture, cpu architecture and design, machine language, assembly language, operating system and higher level language interface. Data representation, instruction representation and execution, addressing techniques and use of macros. Space and time efficiency issues. Input/output including video modes. Procedures including parameter passing and linkage to higher level languages. Prerequisite: CS 1 with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU, UC; C-ID# COMP 142.

Degree Applicable, Credit Grading Option: OP

CS 31 JAVA PROGRAMMING 4 UNITS

Applications programming in Java for students already familiar with the concepts of programming. Topics will include in Applets, GUI programming, and design using Swing, presenting data files over the web, elementary data structures (queues, linked list, stacks) and vectors, searching (linear, binary), sorting algorithms, Database programming using JDBC (Java Data Base Connectivity), Remote Method Invocation (RMI), and Java Beans. The student will also be exposed to and experience developing Java applications and applets in the Linux/Unix environment(s). Strongly Recommended: CS 1 with a minimum grade of C and CS 7 with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

CS 41 INTRO TO LINUX/ LPI LINUX+ CERTIFICATION 3 UNITS

This course provides hands-on training covering basic installation, management, configuration, documentation and hardware topics for the Linux/UNIX operating system on workstations in a network environment. The course includes comprehensive coverage of topics related to Linux distributions, installation, administration, X-Windows, and networking. Students who have completed or are enrolled in Computer Networking Technology 7401 may not receive credit. Strongly Recommended: CNT 50 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CS 43 PROFESSIONAL COMMUNICATIONS 3 UNITS

This course applies the principles of ethical and effective communication to the creation of letters, memos, emails, and written

and oral reports for a variety of business situations. The course emphasizes critical thinking, planning, organizing, composing, and revising business documents using word processing software for written documents and presentation-graphics software to create and deliver professional-level oral presentations. Additional focus will be placed on developing interpersonal skills, team participation skills, and technical report writing skills. Students who have completed or are enrolled in BUSN 43, CNT 43, or CIS 43 may not receive credit. Prerequisite: ENG 1A with a minimum grade of C. 54 hours lecture. Transfer: CSU; C-ID#BUS 115.

Degree Applicable, Credit Grading Option: OP

CS 45 DATABASE PROGRAMMING 4 UNITS

This is a programming course that goes beyond mere "desktop" database management. Participants will learn how to design and manage cloud based databases and explore dynamic applications that interact with databases using compiled and interpreted client/server programming languages. Learn databases concepts, relational database principles, database design/modeling techniques and Structured Query Language (SQL). Prerequisite: CS 1 with a minimum grade of C or CS 7 with a minimum grade of C or CS 31 with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

CS 46 GAME PROGRAMMING: 2D AND 3D 3 UNITS

Want to Play? You have played plenty of games. Now it is time to create your own! Design, develop and test small 2D and 3D computer games using game development software tools such as Scratch, Alice, or similar programming development programs. This first programming course will provide the student with an understanding of the principles of game design, genre-specific design issues, storytelling, image manipulation, and development teams. Programming experience is not required to get started. Although this course has a programming focus, other topics briefly covered will include the history of computer/video game technology, game genres and design principles, and the social impact of games. 45 hours lecture, 27 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

CS 47 CAPSTONE PROJECT 3 UNITS

This is intended as a culminating experience within a degree or certificate sequence. Working individually or in a small team, you will develop a large-scale work-like project, driven by client needs, and requiring planning, implementation, documentation and presentation of the solution. Based on client requirements, each student or student team will design and implement a solution in a systematic and organized manner, breaking the project into logical sub-components and/or steps. Each student or student team will also prepare relevant written materials and give an oral presentation of the final product. Strongly Recommended: CS 1 with a minimum grade of C or CS 31 with a minimum grade of C, CNT 52 with a minimum grade of C, CIS 43 with a minimum grade of C, CIS 9001 with a minimum grade of C, CIS 60 with a minimum grade of C, CIS 62 with a minimum grade of C. 18 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

DANCE

Dance classes at Las Positas are offered in a state-of-the-art dance studio. From Introduction to Dance, Ballet, Modern/Contemporary Jazz and Dance Composition, Las Positas Dance offers learning opportunities for the novice and experienced dancer alike. The dance program offers a highly popular class in Dance Production/Choreography which gives students the opportunity to experience being a performer, choreographer, costume and program designer. The class culminates in a full-length concert at the end of the semester. Dance performances are enthusiastically supported by the College and local communities.

Dance Courses (DANC)

DANC 1 INTRODUCTION TO DANCE 1 UNIT

Introduction to the dance technique specific to ballet, modern and jazz dance. Similarities and differences found in each dance form will be explored. The history of ballet, modern and jazz dance will be examined. 54 hours laboratory. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

DANC 2A JAZZ DANCE FUNDAMENTALS/ 1 UNIT BEGINNING

This course covers various movement forms with an emphasis on rhythm, style and proper techniques. Students will learn a variety of jazz phrases and will be expected to perform a jazz dance at the introductory level by the end of the semester. 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

DANC 2B JAZZ DANCE BEGINNING/ 1 UNIT INTERMEDIATE

This course covers various movement forms with an emphasis on rhythm, style and proper techniques. Students will learn a variety of jazz phrases and will be expected to choreograph and perform a jazz dance at the advanced beginning/intermediate level by the end of the semester. Strongly Recommended: DANC 2A with a minimum grade of C. 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

DANC 3A BALLET FUNDAMENTALS/ 1 UNIT BEGINNING

Introduction to the fundamentals of ballet, including barre, center and across the floor technique. Proper body connectivity, alignment, strength and flexibility will be emphasized. 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

DANC 4A MODERN/CONTEMPORARY 1 UNIT DANCE A

Beginning level instruction in the Contemporary Modern Dance technique. Emphasis on proper body alignment and body

connectivity will be addressed. Students will be introduced to the elements of dance and transfer these elements into their technical practice. 54 hours laboratory. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

DANC 4B MODERN/CONTEMPORARY 1 UNIT DANCE B

Elementary to Intermediate level instruction in the Contemporary Modern Dance technique. Continued emphasis on proper body alignment and body connectivity will be addressed. Students will be expected to incorporate the elements of dance into their technical practice. Strongly Recommended: DANC 4A with a minimum grade of C. 54 hours laboratory. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

DANC 5A DANCE COMPOSITION 5A 1.5 UNITS

An introduction to the art of making dances for choreographers working in any style of dance, this course is open to students who have little or no dance training. 81 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

DANC 5B DANCE COMPOSITION 5B 1.5 UNITS

A continuation to the art of making dances for choreographers working in any style of dance. 81 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

DANC 6A DANCE PRODUCTION- 2 UNITS CHOREOGRAPHY A

Exploration of choreographic principles along with stage presentation leading to a full-length concert. Participation in dance works either as a choreographer or performer. Minimal participation in technical and business aspects of production. Strongly Recommended: DANC 5A with a minimum grade of C or DANC 5B with a minimum grade of C. 108 hours laboratory. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

DANC 6B DANCE PRODUCTION- 2 UNITS CHOREOGRAPHY B

Choreograph dance works specifically for a full length stage production. Involved participation in the technical, creative and business aspects of stage production. Strongly Recommended: DANC 5A with a minimum grade of C or DANC 5B with a minimum grade of C. 108 hours laboratory. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

DANC 29 INDEPENDENT STUDY, 0.5-2 UNITS DANCE

For course information, see "Independent Studies". 27-108 hours laboratory.

EARLY CARE AND EDUCATION

The Early Care and Education Program is designed to educate students in principles of child growth and development, preparing engaging, developmentally and culturally appropriate curriculum and environments, and experience with applying these principles into direct work with children and their families. The program reflects the current and projected needs of the early childhood profession. Courses are designed to satisfy CA Department of Social Services licensing regulations and the Commission on Teacher Credentialing for work permits. Educating and caring for young children requires study, personal and professional integrity, self-reflection and critical thinking. This program prepares students to: apply theories of child development and educational pedagogy with children birth to eight, create enriching educational environments and curriculum, utilize child-centered, emergent and developmentally appropriate approaches to learning, make meaningful connections with families, support children's understanding of diversity and inclusion, and support children's social-emotional well-being.

Programs of Study

Degrees:

- AS-T - Early Childhood Education
- AA-T - Child and Adolescent Development
- AA - Early Childhood Development
- AA - Early Childhood Intervention

Certificates of Achievement:

- Associate Teacher
- Early Childhood Development
- Early Childhood Intervention Assistant

Career Opportunities

Students have opportunities to work within the following professions: early childhood and afterschool programs, transitional kindergarten and first to third grades, special education, early intervention and early childhood mental health and social and community agencies or advocacy programs.

AS-T – Early Childhood Education

About the Degree

The Associate of Science degree in Early Childhood Education (ECE) for Transfer provides a clearly articulated curricular track for students who wish to transfer to a CSU campus, while also serving the diverse needs of students interested in the breadth and depth of the field of early childhood education. Additionally, this degree exposes students to the core principles and practices of the field in order to build a

foundation for their future personal, academic, or vocational paths. The degree was designed to facilitate students' successful transfer to certain California State University (CSU) campuses that prepare them for advanced study in a variety of graduate programs, as well as a variety of careers such as teaching, Child Development Specialist, Program Directors, and Child Life Specialists. With a BA in ECE/ Child Development, students are eligible for the Master Teacher and Site Supervisor levels of the CA Child Development Permit, using the Alternative Qualifications category. The Associate of Science degree in ECE for Transfer provides students with a major that fulfills the general requirements of the California State University for transfer. Students with this degree will receive priority admission with junior status to certain California State University campuses. The Associate of Science degree in ECE for Transfer (A.S.-T.) may be obtained by the completion of 60 transferable, semester units with a minimum of a 2.0 GPA, including (a) the major or area of emphasis described in the Required Program outlined below (earning a C or better in these courses), and (b) the Intersegmental General Education Transfer Curriculum (IGETC). The ECE courses required in this program are part of the CA Curriculum Alignment Project, Lower Division 8 coursework.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education – Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Career Opportunities

Preschool Teachers, Early Care and Education Teachers, Teachers, Program Directors, Child and Family Agencies, and Mental Health Professional

Program Outcomes

- Upon completion of the AS-T in Early Childhood Education, the student will be able to apply ethical standards of behavior accepted by the profession of early childhood education using ongoing self-reflection to guide practices.
- Upon completion of the AS-T in Early Childhood Education, the student will be able to assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Upon completion of the AS-T in Early Childhood Education, the student will be able to compare and contrast diverse cultural values, child rearing practices, attitudes towards play and education by developing respectful reciprocal relationships in order to work effectively with children, families, coworkers and

community.

- Upon completion of the AS-T in Early Childhood Education, the student will be able to demonstrate practices that maintain standards of health, nutrition, and safety in early childhood settings.
- Upon completion of the AS-T in Early Childhood Education, the student will be able to intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Upon completion of the AS-T in Early Childhood Education, the student will be able to synthesize child development research and theories; apply principles with consideration for children's varying characteristics, needs and the multiple interacting influences on children's development.
- Upon completion of the AS-T in Early Childhood Education, the student will be able to utilize observation and evaluation processes/tools to apply and implement developmentally appropriate practices in an early care and education setting using knowledge, skills and professional dispositions that promote the development and learning of all young children.

Required Core: (26 Units)

ECE 50 (Early Childhood Principles and Practices).....	3
ECE 54 (Child Health, Safety, and Nutrition).....	3
ECE 56 (Child Growth and Development).....	3
ECE 62 (Child, Family and Community).....	3
ECE 63 (Early Childhood Curriculum).....	4
ECE 69 (Child Study: Observation and Assessment).....	3
ECE 79 (Teaching in a Diverse Society).....	3
ECE 90 (Practicum—Supervised Experience).....	4

Total Units for the Major 26

Additional General Education and Elective Units 34

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA-T – Child and Adolescent Development

About the Degree

The Associate in Arts in Child and Adolescent Development for Transfer is designed for prospective California State University (CSU) transfer students who are preparing for careers in the fields of Child and Adolescent Development, Human Development and Early Childhood Education, to name a few. Completion of the Child and Adolescent Development Transfer degree will provide a streamlined

pathway for transfer to a CSU campus with a Child and Adolescent Development or similar major. Students should consult with a counselor to determine whether or not this degree is the best option for their transfer goals. General education requirements should be selected carefully based on the intended transfer institution; please see a counselor for details if you are pursuing transfer to the UC system.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education – Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Program Outcomes

- Upon completion of the AA-T in Child and Adolescent Development, students will be able to synthesize child and adolescent development research and theories.
- Upon completion of the AA-T in Child and Adolescent Development, students will be able to apply principles of child and adolescent development considering children's varying characteristics, needs and the multiple interacting influences on children's development.
- Upon completion of the AA-T in Child and Adolescent Development, students will be able to apply ethical standards of behavior accepted by the education profession using ongoing reflection to guide practices.
- Upon completion of the AA-T in Child and Adolescent Development, students will be able to compare and contrast diverse cultural values to develop respectful and reciprocal relationships for the purpose of working effectively with children, families, co-workers and community.

Required Core (10 Units)

ECE 56 (Child Growth and Development).....	3
MATH 40 (Statistics and Probability).....	4
PSYC 1 (General Psychology).....	3

List A: Select Three (9-10 Units)

ANTR 3 (Cultural Anthropology) or ECE 62 (Child, Family and Community) or SOC 1 (Principles of Sociology) or SOC 3 (Cultural and Racial Minorities) or SOC 4 (Marriage and Family Relations).....	3
BIO 10 (Introduction to the Science of Biology) or BIO 30 (Introduction to College Biology) or BIO 50 (Anatomy and Physiology).....	4

ECE 50 (Early Childhood Principles and Practices).....3
 PSYC 12 (Life-Span Psychology).....3

Total Units for the Major 19-20

Additional General Education and Elective Units.....40-41

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Early Childhood Development

About the Degree

The goals of the AA in Early Childhood Education degree are 1 - to prepare future teachers of children birth to five to provide developmentally appropriate care and education, through educationally sound, culturally engaging and family-centered practices; and 2 - to provide foundational child development and family engagement knowledge and experience to students who will pursue a Multi-Subject or Single Subject credential through a 4-year college or university. The Early Care and Education Program provides students with a fundamental understanding of the principles of child growth and development, as well as experience in the application of these principles.

Career Opportunities

Career opportunities include: Early childhood teacher Before and after school teacher.

Program Outcomes

- Upon completion of the AA in Early Childhood Development, the student will be able to apply ethical standards of behavior accepted by the profession of early childhood education using ongoing self-reflection to guide practices.
- Upon completion of the AA in Early Childhood Development, the student will be able to assess children’s development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Upon completion of the AA in Early Childhood Development, the student will be able to compare and contrast diverse cultural values, child rearing practices, attitudes towards play and education by developing respectful reciprocal relationships in order to work effectively with children, families, coworkers and community.
- Upon completion of the AA in Early Childhood Development, the student will be able to demonstrate practices that maintain standards of health, nutrition, and safety in early childhood settings.
- Upon completion of the AA in Early Childhood Development,

the student will be able to identify the processes of and contributions to systemic and internalized oppression and privilege. Utilize this information, along with personal reflection, to identify strategies to more effectively educate children in a pluralistic society.

- Upon completion of the AA in Early Childhood Development, the student will be able to intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Upon completion of the AA in Early Childhood Development, the student will be able to synthesize child development research and theories; apply principles with consideration for children’s varying characteristics, needs and the multiple interacting influences on children’s development.
- Upon completion of the AA in Early Childhood Development, the student will be able to utilize observation and evaluation processes/tools to apply and implement developmentally appropriate practices in an early care and education setting using knowledge, skills and professional dispositions that promote the development and learning of all young children.

Required Core: (31-33 Units)

ECE 50 (Early Childhood Principles and Practices).....3
 ECE 56 (Child Growth and Development)3
 ECE 62 (Child, Family and Community)3
 ECE 63 (Early Childhood Curriculum)4
 ECE 54 (Child Health, Safety and Nutrition).....3
 ECE 60 (Introduction to the Young Child With Exceptional Needs)3
 ECE 69 (Child Study: Observation and Assessment)3
 ECE 79 (Teaching in a Diverse Society)3
 ECE 90 (Practicum-Supervised Experience)4
 ECE 95 (Work Experience)1-3
 ECE 96 (Work Experience Seminar)1

Total Units for the Major 31-33

Additional General Education and Elective Units 27-29

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Early Childhood Intervention

About the Degree

The goals of the AA in Early Childhood Intervention degree is designed to provide specialized knowledge and experience with supporting and educating children who have suspected or documented exceptional needs or disabilities. Future teachers of children birth to five are prepared to provide inclusive and developmentally appropriate care and education, through

educationally sound, culturally engaging and family-centered practices. This degree also provides foundational child development and family engagement knowledge and experience to students who will pursue a Multi-Subject or Single Subject credential through a 4-year college or university. The Early Care and Education Program provides students with a fundamental understanding of the principles of child growth and development, as well as experience in the application of these principles.

Career Opportunities

Early Childhood Teacher Special Education Instructional Assistant
Special Education Para-professional.

Program Outcomes

- Upon completion of the AA in Early Childhood Intervention, the student will be able to assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Upon completion of the AA in Early Childhood Intervention, the student will be able to compare and contrast diverse cultural values, child rearing practices, attitudes towards play and education by developing respectful reciprocal relationships in order to work effectively with children, families, coworkers and community.
- Upon completion of the AA in Early Childhood Intervention, the student will be able to demonstrate practices that maintain standards of health, nutrition, and safety in early childhood settings.
- Upon completion of the AA in Early Childhood Intervention, the student will be able to identify the processes of and contributions to systemic and internalized oppression and privilege. Utilize this information, along with personal reflection, to identify strategies to more effectively educate children in a pluralistic society.
- Upon completion of the AA in Early Childhood Intervention, the student will be able to intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Upon completion of the AA in Early Childhood Intervention, the student will be able to students will develop a personal ECE philosophy after reviewing ECE philosophies and program approaches.
- Upon completion of the AA in Early Childhood Intervention, the student will be able to synthesize child development research and theories; apply principles with consideration for children's varying characteristics, needs and the multiple interacting influences on children's development.
- Upon completion of the AA in Early Childhood Intervention, the student will be able to utilize observation and evaluation processes/tools to apply and implement developmentally appropriate practices in an early care and education setting using knowledge, skills and professional dispositions that promote the development and learning of all young children.

Required Core: (38 Units)

ECE 40 (Social and Emotional Foundations for Early Learning)	3
ECE 50 (Early Childhood Principles and Practices).....	3
ECE 54 (Child Health, Safety and Nutrition).....	3
ECE 56 (Child Growth and Development)	3
ECE 60 (Introduction to the Young Child With Exceptional Needs).....	3
ECE 62 (Child, Family and Community)	3
ECE 63 (Early Childhood Curriculum)	4
ECE 67 (Infant and Toddler Development and Caregiving).....	3
ECE 69 (Child Study: Observation and Assessment)	3
ECE 79 (Teaching in a Diverse Society).....	3
ECE 90 (Practicum-Supervised Experience)	4
ECE 91 (Adaptive Curriculum For Children With Exceptional Needs).....	3

Total Units for the Major 38

Additional General Education and Elective Units..... 22

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Associate Teacher

Program Outcomes

- Upon completion of the Certificate of Achievement in Associate Teacher, the student will be able to assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Upon completion of the Certificate of Achievement in Associate Teacher, the student will be able to compare and contrast diverse cultural values, child rearing practices, attitudes towards play and education by developing respectful reciprocal relationships in order to work effectively with children, families, co-workers and community.
- Upon completion of the Certificate of Achievement in Associate Teacher, the student will be able to intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Upon completion of the Certificate of Achievement in Associate Teacher, the student will be able to synthesize child development research and theories; apply principles with consideration for children's varying characteristics, needs and the multiple interacting influences on children's development.

Required Core: (13 Units)

ECE 50 (Early Childhood Principles and Practices).....	3
ECE 56 (Child Growth and Development)	3
ECE 62 (Child, Family and Community)	3
ECE 63 (Early Childhood Curriculum)	4

Total Units 13

Certificate of Achievement Early Childhood Development

Program Outcomes

- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to apply ethical standards of behavior accepted by the profession of early childhood education using ongoing self-reflection to guide practices.
- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to compare and contrast diverse cultural values, child rearing practices, attitudes towards play and education by developing respectful reciprocal relationships in order to work effectively with children, families, co-workers and community.
- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to demonstrate practices that maintain standards of health, nutrition, and safety in early childhood settings.
- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to identify the processes of and contributions to systemic and internalized oppression and privilege. Utilize this information, along with personal reflection, to identify strategies to more effectively educate children in a pluralistic society.
- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to synthesize child development research and theories; apply principles with consideration for children's varying characteristics, needs and the multiple interacting influences on children's development.
- Upon completion of the Certificate of Achievement in Early Childhood Development, the student will be able to utilize observation and evaluation processes/tools to apply and implement developmentally appropriate practices in an early care and education setting using knowledge, skills and professional dispositions that promote the development and learning of all young children.

Required Core: (22 Units)

ECE 50 (Early Childhood Principles and Practices).....3
ECE 56 (Child Growth and Development)3

ECE 60 (Introduction to the Young Child with Exceptional Needs) 3
ECE 62 (Child, Family and Community)3
ECE 63 (Early Childhood Curriculum)4
ECE 90 (Practicum—Supervised Experience)4
ECE 95 (Work Experience)1
ECE 96 (Work Experience Seminar)1

List A: Select One (3 Units)

ECE 40 (Social and Emotional Foundations for Early Learning)3
ECE 54 (Child Health, Safety, and Nutrition)3
ECE 69 (Child Study: Observation and Assessment)3
ECE 79 (Teaching in a Diverse Society).....3

Total Units 25

Certificate of Achievement Early Childhood Intervention Assistant

About the Certificate

The Certificate of Achievement in Early Childhood Intervention Assistant/Para-Educator is designed to prepare students to be para-educators in early childhood special education classrooms. This certificate also prepares early childhood teachers who will be working in inclusive classrooms.

Career Opportunities

Teacher's assistant in a special education classroom, Para-educator in a special education classroom (K-3 grade), and Teacher's assistant in inclusive preschool classroom.

Program Outcomes

- Upon completion of the Certificate of Achievement in Early Childhood Intervention Assistant, the student will be able to assess children's development through observation, documentation, reflection and interpretation to guide curriculum and intentional teaching.
- Upon completion of the Certificate of Achievement in Early Childhood Intervention Assistant, the student will be able to compare and contrast diverse cultural values, child rearing practices, attitudes towards play and education by developing respectful reciprocal relationships in order to work effectively with children, families, co-workers and community.
- Upon completion of the Certificate of Achievement in Early Childhood Intervention Assistant, the student will be able to demonstrate practices that maintain standards of health, nutrition, and safety in early childhood settings.
- Upon completion of the Certificate of Achievement in Early Childhood Intervention Assistant, the student will be able to intentionally design inclusive, culturally and linguistically appropriate curriculum to promote positive development for all young children, based on child development, observation and reflection.
- Upon completion of the Certificate of Achievement in Early Childhood Intervention Assistant, the student will be able

to synthesize child development research and theories; apply principles with consideration for children's varying characteristics, needs and the multiple interacting influences on children's development.

- Upon completion of the Certificate of Achievement in Early Childhood Intervention Assistant, the student will be able to utilize observation and evaluation processes/tools to apply and implement developmentally appropriate practices in an early care and education setting using knowledge, skills and professional dispositions that promote the development and learning of all young children.

Required Core: (32 Units)

ECE 40 (Social and Emotional Foundations for Early Learning)	3
ECE 50 (Early Childhood Principles and Practices).....	3
ECE 54 (Child Health, Safety, and Nutrition).....	3
ECE 56 (Child Growth and Development).....	3
ECE 60 (Introduction to the Young Child with Exceptional Needs) 3	
ECE 62 (Child, Family and Community).....	3
ECE 63 (Early Childhood Curriculum).....	4
ECE 67 (Infant and Toddler Development and Caregiving).....	3
ECE 90 (Practicum-Supervised Experience)	4
ECE 91 (Adaptive Curriculum for Children with Exceptional Needs).....	3

Total Units 32

Early Care and Education Courses (ECE)

ECE 15 ABNORMAL CHILD PSYCHOLOGY 3 UNITS

An exploration of the emotional, cognitive, developmental, and behavioral problems of childhood and adolescence. Topics include: common stresses and problems of adjustment; the effects of stress, abuse, and traumas on development; intellectual disability, autistic spectrum disorder and other developmental disabilities; normal and abnormal problems of attention, conduct, mood, anxiety, sleep, eating, sex, learning and speech. Examination of the causes of mental health problems in children and adolescents and approaches to treatment. Students who have completed or are enrolled in PSYC 15 may not receive credit. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D7, D8; IGETC: 4G, 4I.

Degree Applicable, Credit Grading Option: OP

ECE 29 INDEPENDENT STUDY, EARLY CARE AND EDUCATION 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

ECE 40 SOCIAL AND EMOTIONAL FOUNDATIONS FOR EARLY LEARNING 3 UNITS

This course will focus on the healthy social and emotional development of young children ages 0-8, as the foundation for early learning. Students will identify the role of the teacher in establishing learning environments that promote the healthy social and emotional

development of young children, the underlying basis for quality teacher-child interactions. Strongly Recommended: ECE 56 with a minimum grade of C, ECE 62 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 42 EARLY CHILDHOOD MATH AND SCIENCE 3 UNITS

An examination of the constructivist approach to teaching science, technology, engineering and mathematics (STEM) to young children; emphasizing application to everyday experiences of children. Prerequisite: ECE 63 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 50 EARLY CHILDHOOD PRINCIPLES AND PRACTICES 3 UNITS

Historical context and theoretical perspectives of developmentally appropriate practice in early care and education. Examines the role of the early childhood educator, identification of best practices for environmental design, curriculum, and teaching strategies. Explores constructive teacher -child interactions and relationships, the role of the family in education, culture and inclusion, professional ethics, career pathways and professional standards. 54 hours lecture. Transfer: CSU; C-ID# ECE 120.

Degree Applicable, Credit Grading Option: GR

ECE 54 CHILD HEALTH, SAFETY AND NUTRITION 3 UNITS

This course covers aspects of nutrition, health, and safety that promote and maintain the health and well-being of all children and adults who work with young children. Topics include health and nutritional guidelines; maintaining safe and healthy learning environments; state regulations, policies, and procedures; common childhood illnesses and infectious diseases; school-family collaboration; and emergency preparedness, first aid, and injury prevention. 54 hours lecture. AA GE. Transfer: CSU; CSU GE: E; C-ID# ECE 220.

Degree Applicable, Credit Grading Option: GR

ECE 56 CHILD GROWTH AND DEVELOPMENT 3 UNITS

A study of the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D7, E; IGETC: 4G; C-ID# CDEV 100.

Degree Applicable, Credit Grading Option: GR

ECE 60 INTRODUCTION TO THE YOUNG CHILD WITH EXCEPTIONAL NEEDS 3 UNITS

Introduces the variations in development of infants and children with

exceptional needs and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with exceptional needs and the identification and referral process. Assessments, interventions and learning environments for infants and children with exceptional needs. Prerequisite: ECE 56 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 61 LITERATURE FOR THE YOUNG CHILD 3 UNITS

An introduction to young children's literature, the development of speech and language and the exploration of teaching techniques which promote language, literacy and literature for the young child. Selection, evaluation and use of fiction, non-fiction, prose and poetry from existing written and/or recorded children's literature in the early childhood classroom. Approaches to reading books, storytelling, story writing, and use of puppets, flannel boards and props to facilitate children's language and appreciation of literature. 54 hours lecture. Transfer: CSU; CSU GE: C2.

Degree Applicable, Credit Grading Option: GR

ECE 62 CHILD, FAMILY AND COMMUNITY 3 UNITS

The processes of socialization and identity development, focusing on the interrelationship of family, school, and community. Examines the influence of multiple societal contexts. Explores the role of collaboration between family, community, and schools in supporting children's development. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D7; C-ID# CDEV 110.

Degree Applicable, Credit Grading Option: GR

ECE 63 EARLY CHILDHOOD CURRICULUM 4 UNITS

This course offers students the opportunity for professional application of the principles of child growth and development in the study of play based, inclusive curriculum within the physical environment of the infant, toddler and preschool classrooms. The learning experiences will include program content pertaining to the use of materials, the facilitation and guidance of all children's experiences based on what is culturally and developmentally appropriate for children; utilizing best practices in meeting the children's physical, social, emotional, cognitive and creative needs. Prerequisite: ECE 50 with a minimum grade of C, ECE 56 with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 64 PLAY: MATERIALS AND ENVIRONMENTS 3 UNITS

Application of principles of human growth and development in the consideration of play materials and environments for children birth through early elementary. The selection and development of play materials and environments that are developmentally, culturally, and age-appropriate. Prerequisite: ECE 56 with a minimum grade of C, ECE 50 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 65 ADMINISTRATION I: PROGRAMS IN EARLY CHILDHOOD EDUCATION 3 UNITS

Introduction to the administration of early childhood programs. Covers program types, budget, management, regulations, laws, development and implementation of policies and procedures. Examines administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program: Relationships with families, and community. Prerequisite: ECE 62 with a minimum grade of C, ECE 63 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 67 INFANT AND TODDLER DEVELOPMENT AND CAREGIVING 3 UNITS

A study of infants and toddlers from preconception to 36 months including physical, cognitive, language, social and emotional growth and development. Applies theoretical frameworks to interpret behavior and interactions between heredity and environment. Examination of best practices, responsive caregiving techniques, environments, infant/toddler learning foundations, health, safety, and licensing requirements. Prerequisite: ECE 56 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 68 ADMINISTRATION II: PERSONNEL AND LEADERSHIP IN EARLY CHILDHOOD EDUCATION 3 UNITS

Effective strategies for personnel management and leadership in early care and education settings. Includes legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. Prerequisites: ECE 62 with a minimum grade of C, ECE 63 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 69 CHILD STUDY: OBSERVATION AND ASSESSMENT 3 UNITS

This course focuses on the use of appropriate methods of assessment to document development, growth, play and learning in early childhood education settings. Students will utilize practical classroom experiences to apply a variety of methods to measure child progress, curriculum requirements, and program effectiveness. Methods include child portfolios, recording strategies, rating systems, and other tools that build on respecting and fostering all children's competence and meeting their individual needs. Prerequisite: ECE 56 with a minimum grade of C. 54 hours lecture. Transfer: CSU; C-ID# ECE 200.

Degree Applicable, Credit Grading Option: GR

ECE 74 CHILD GUIDANCE 2 UNITS

This course introduces practical principles and techniques for developmentally and culturally appropriate guidance. Emphasis is on encouraging self-esteem and cultural awareness, effective communication skills, and direct and indirect guidance techniques and strategies. Upon completion of the course, students should be able to demonstrate strategies which encourage positive social

interactions, promote conflict resolution and develop self-control, self-motivation and self-esteem in children. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 78 LANGUAGE DEVELOPMENT 3 UNITS

Review of language acquisition theories and emergent literacy in both monolingual and young English language learners. Includes oral and written language development, developmental stages of receptive and expressive language, print awareness, phonemic awareness and early reading and writing development. Examination of family patterns, cultural values, and environmental circumstances that affect language development and communication styles. Includes assessment and early identification of linguistic delays. Prerequisite: ECE 56 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 79 TEACHING IN A DIVERSE SOCIETY 3 UNITS

Examines the impact of various societal influences such as privilege, oppression, bias, and discrimination on the development of children's social and personal identity. Self-examination and reflection on values, beliefs and attitudes related to social identity, stereotypes, conscious and unconscious bias will be emphasized. Recognize and confront barriers that interfere with one's ability to work effectively with diverse populations of children and families. Enhance teacher skills for educating children in a pluralistic society. The class will focus heavily on anti-bias approaches to teaching, curriculum and family partnerships. Strongly Recommended: ECE 62 with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D3, D7; C-ID# ECE 230.

Degree Applicable, Credit Grading Option: GR

ECE 83 ADULT MENTORING AND SUPERVISION 2 UNITS

Methods and principles of mentoring and supervising adults in early care and education settings. Emphasis on the role of experienced classroom teachers who function as mentors and leaders to new teachers and other adults while simultaneously addressing the needs of children, families and other staff. Also, a focus on self-reflection and "soft skills set attainment" emphasized. Prerequisite: ECE 62 with a minimum grade of C and ECE 63 with a minimum grade of C. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 87 QUALITY ENVIRONMENTS FOR INFANTS AND TODDLERS 3 UNITS

Applies current theory and research to the care and education of infants and toddlers in group care. Examines essential policies, classroom environments, caregiving principles and practices that lead to quality care and developmentally appropriate curriculum for infants and toddlers which is culturally sensitive and supports families. Strongly Recommended: ECE 67 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 90 PRACTICUM - SUPERVISED EXPERIENCE 4 UNITS

Practicum experience working with young children under the supervision of an ECE/CD faculty; Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build comprehensive understanding of children and families. Child centered, play oriented approaches to teaching, learning and assessment and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children. Prerequisite: ECE 50 with a minimum grade of C and ECE 56 with a minimum grade of C and ECE 62 with a minimum grade of C and ECE 63 with a minimum grade of C. 36 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 91 ADAPTIVE CURRICULUM FOR CHILDREN WITH EXCEPTIONAL NEEDS 3 UNITS

Provides direct experience working with young children in special day classes or inclusive settings. Application of intervention strategies using best practices of early childhood development and special education in adapting curriculum to meet the individual needs of children. Observation of the assessment process by the special education team and assisting in the implementation of the educational plan. Includes the role of the teacher as a professional working in partnership with families, collaboration with interdisciplinary teams and cultural competence. Lab hours required in an inclusive setting. Prerequisite: ECE 60 with a minimum grade of C and ECE 90 with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 95 WORK EXPERIENCE 1-3 UNITS

Cooperative effort between, student, supervisor and instructor to accomplish professional work objectives and broaden experiences. On-the-job work experience to build early childhood competencies. Corequisite: ECE 96. 75-225 hours paid work experience. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 96 WORK EXPERIENCE SEMINAR 1 UNIT

Discussion and analysis of typical problems often encountered by employees at the workplace. Application of National Association for the Education of Young Children (NAEYC) Code of Ethical Conduct to difficult situations that occur at the job site. Develop and complete measurable developmentally appropriate goals in early care and education settings. Corequisite: ECE 95. 18 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECONOMICS

Economics is central to many issues facing us today—job creation, wage determination, health-care reform, future of social security, economic prosperity, and environmental sustainability—all require knowledge of economics. Economics, often called the “science of choice,” analyzes how individuals, households, firms, and governments interact. Understanding those interactions is a distinctive feature of economics as a discipline and explains why so many everyday issues have an important economic dimension.

Programs of Study

Degrees:

- AA-T - Economics

AA-T – Economics

About the Degree

The Las Positas College Economics program offers courses that lead to an Associate of Science in Economics for Transfer degree. The major requirements for the Associate in Arts in Economics for Transfer degree align with the Intersegmental Transfer Model Curriculum (TMC) for Economics. Students will have guaranteed admission to a California State University (CSU) campus upon successful completion of the program requirements. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals. General education requirements should be selected carefully based on the intended transfer institution.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education - Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Program Outcomes

- Upon completion of the AA-T in Economics, students will be able to use marginal analysis to explain how individuals in the economy make their production and purchasing decisions.
- Upon completion of the AA-T in Economics, students will be able to explain how market forces of supply and demand lead to efficient allocation of goods, services and factors of production.

- Upon completion of the AA-T in Economics, students will be able to use key economic indicators, such as GDP, CPI and Unemployment Rate, to analyze the economy and explain how monetary and fiscal policies affect short-term fluctuations of economic activity.

Required Core: (15 Units)

ECON 1 (Principles of Microeconomics).....	3
ECON 2 (Principles of Macroeconomics)	3
MATH 1 (Calculus I) or	
MATH 34 (Calculus for Business and Social Sciences)	5
MATH 40 (Statistics and Probability)	4

List A: Select One (3-5 Units)

BUSN 1A (Financial Accounting).....	4
BUSN 1B (Managerial Accounting).....	4
BUSN 43 (Professional Communications) or	
CIS 43 (Professional Communications) or	
CNT 43 (Professional Communications) or	
CS 43 (Professional Communications).....	3
CIS 50 (Intro to Computing Info Tech).....	3
MATH 2 (Calculus II)	5
MATH 33 (Finite Mathematics)	4

List B: Select One (3-5 Units)

Any List A course not already used.....	3 -5
ECON 5 (Economic History of the United States)	3
MATH 3 (Multivariable Calculus).....	5
MATH 7 (Elementary Linear Algebra)	3.5

Total Units for the Major 21-25

Additional General Education and Elective Units 35-39

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Economics Courses (ECON)

ECON 1	PRINCIPLES OF MICROECONOMICS	3 UNITS
---------------	-------------------------------------	----------------

Economic analysis of market systems, price theory, including supply and demand analysis, marginal utility, elasticity, cost and revenue concepts, perfect and imperfect competition, international trade theory, pricing of the factors of production, poverty and income inequalities. Prerequisite: MATH 55 with a minimum grade of C or MATH 55B with a minimum grade of C and ENG 104 with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D2; IGETC: 4B; C-ID# ECON 201.

Degree Applicable, Credit Grading Option: OP

ECON 2 PRINCIPLES OF MACROECONOMICS 3 UNITS

Economic analysis of the theory of income determination, including national income analysis, business cycles, the consumption function, the multiplier, fiscal policy, monetary policy, money and banking, the public debt, economic growth and development, comparative economic systems and international trade. Prerequisite: MATH 55 with a minimum grade of C or MATH 55B with a minimum grade of C and ENG 104 with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D2; IGETC: 4B; C-ID# ECON 202.

Degree Applicable, Credit Grading Option: OP

ECON 5 ECONOMIC HISTORY OF THE UNITED STATES 3 UNITS

Origins and historical development of major economics forces, institutions and philosophies that have shaped the U.S. market economy. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D2; IGETC: 4B.

Degree Applicable, Credit Grading Option: OP

ECON 10 GENERAL ECONOMICS 3 UNITS

Survey of the economic system of the United States, covering such macroeconomic and microeconomic topics as supply and demand, firms' output and pricing decisions, international trade, comparative economic systems, economic growth, business cycles, fiscal and monetary policy, labor, money and banking. 54 hours lecture. AA/AS GE. Transfer: CSU, UC*; CSU GE: D2; IGETC: 4B. *No UC credit if taken after ECON 1 or 2.

Degree Applicable, Credit Grading Option: OP

EMERGENCY MEDICAL SERVICES

The Emergency Medical Services program prepares students to achieve certification and licensure to enter into EMS career paths. Students begin their training by completing the first career related courses within the program – EMS 30 Emergency Medical Responder, and EMS 20 Emergency Medical Technician with certification as an “EMT” through the California State EMS Authority.

The program also includes curriculum necessary to prepare students to become a Nationally Registered Paramedic (NRP). Students, upon successful completion of the Las Positas College Paramedic Training Program, including the didactic, clinical, and field internship components, will be eligible to sit for the licensing examination as a Paramedic with the National Registry of Emergency Medical Technicians (NREMT), and successful students will be eligible for licensure as an Emergency Medical Technician – Paramedic (EMT-P) in the state of California.

The Las Positas College Paramedic Training Program has been approved by the California State EMS Authority through the Alameda County EMS Agency until May 31, 2020. The Las Positas College Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). This accreditation is initial and expires on March 31, 2022.

To contact CAAHEP: 25400 US Highway 19 North, Suite 158, Clearwater, FL 33763, Phone: 727-210-2350, Fax: 727-210-2354 <http://www.caahep.org>

To contact the CoAEMSP: 8301 Lakeview Parkway Suite 111- 312, Rowlett, TX 75088; Phone 214-703-8445; Fax 214-703-8992; or www.coaemsp.org.

Programs of Study

Degrees:

- AS – Emergency Medical Services EMT-Paramedic

Certificates of Achievement:

- Emergency Medical Services EMT-Paramedic
- Emergency Medical Technologies

Certificates of Accomplishment:

- Emergency Medical Responder

Career Opportunities

Health Science is one of the most promising growth careers in the United States. The EMT and the Paramedic get jobs in the public sector as an employee of a Fire Department, the private sector of an Emergency Department, Trauma Center, or responding under contract with a county or private emergency ambulance service.

AS – Emergency Medical Services EMT-Paramedic

About the Degree

This program is designed to prepare students to take and pass the National Registry Emergency Medical Technician - Paramedic (NREMT-P) examination so they can become Licensed Paramedics in the state of California. It also prepares students to transfer and earn a BA in Paramedics. Students that complete the Associate of Science in Emergency Medical Services EMT-Paramedic degree are able to gain employment as paramedic firefighters, paramedics on ambulances that serve the community as Advanced Life Support 9-1-1 providers, and in certain limited situations work in the hospital setting.

Career Opportunities

Students that earn this degree can find employment as a firefighter, paramedic with an ambulance company, and in specific and limited cases, work in a hospital.

Program Outcomes

- Upon successful completion of the AS in Emergency Medical Services EMT-Paramedic, the student will be a competent entry-level Paramedic in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.
- Upon successful completion of the AS in Emergency Medical Services EMT-Paramedic, the student will be prepared and qualified to become a Nationally Registered Paramedic (NRP).

Required Core: (52 Units)

BIO 50 (Anatomy and Physiology).....	4
EMS 10 (Paramedic Theory 1).....	6
EMS 11 (Paramedic Theory 2).....	6
EMS 12 (Paramedic Laboratory 1).....	4
EMS 13 (Paramedic Laboratory 2).....	4
EMS 14 (Paramedic Clinical Practicum).....	6
EMS 15P (Paramedic Field Internship).....	8
EMS 15L (Paramedic Field Internship Lecture).....	1
EMS 20 (Emergency Medical Technician).....	7
EMS 30 (Emergency Medical Responder).....	3
EMS 62 (Basic Medical Terminology).....	3

Program Based GE: (3 Units)

CMST 1 (Fundamentals of Public Speaking).....	3
---	---

Total Units for the Major 52

Additional General Education and Elective Units 12

Total Units 67

See the Las Positas College General Education Pattern for Associate of Science Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree

program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Emergency Medical Services EMT-Paramedic

About the Certificate

This program is designed to prepare students to take and pass the National Registry Emergency Medical Technician - Paramedic (NREMT-P) examination so they can become Licensed Paramedics in the state of California. It also prepares students to transfer and earn a BA in Paramedics. Students that complete the Certificate of Achievement in Emergency Medical Services EMT-Paramedic degree are able to gain employment as paramedic firefighters, paramedics on ambulances that serve the community as Advanced Life Support 9-1-1 providers, and in certain limited situations work in the hospital setting.

Career Opportunities

Students that earn this degree can find employment as a firefighter, paramedic with an ambulance company, and in specific and limited cases, work in a hospital.

Program Outcomes

- Upon completion of the Certificate of Achievement in Emergency Medical Services EMT-Paramedic, the student will be competent as an entry-level Paramedic in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.
- Upon successful completion of the Certificate of Achievement in Emergency Medical Services EMT-Paramedic, the student will be prepared to become a Nationally Registered Paramedic (NRP).

Required Core: (52 Units)

BIO 50 (Anatomy and Physiology).....	4
EMS 10 (Paramedic Theory 1).....	6
EMS 11 (Paramedic Theory 2).....	6
EMS 12 (Paramedic Laboratory 1).....	4
EMS 13 (Paramedic Laboratory 2).....	4
EMS 14 (Paramedic Clinical Practicum).....	6
EMS 15P (Paramedic Field Internship).....	8
EMS 15L (Paramedic Field Internship Lecture).....	1
EMS 20 (Emergency Medical Technician).....	7
EMS 30 (Emergency Medical Responder).....	3
EMS 62 (Basic Medical Terminology).....	3

Total Units 52

Certificate of Achievement Emergency Medical Technologies

About the Certificate

The Certificate of Achievement in Emergency Medical Technologies is designed to provide students an entrance to the profession of emergency medical services.

Career Opportunities

Jobs include EMT's on an ambulance, emergency room technicians, observers on a police helicopter, athletic trainers, EMT's at skilled nursing facilities, patient transporters at hospitals, lifeguards, and ski patrol officers, among others.

Program Outcomes

- Upon successful completion of the Certificate of Achievement in Emergency Medical Technologies, the student will be able to function at the California State certified level of EMT.
- Upon successful completion of the Certificate of Achievement in Emergency Medical Technologies, the student will be prepared to become a Nationally Registered Emergency Medical Technician (NREMT).

Required Core: (17 Units)

BIO 50 (Anatomy and Physiology).....	4
EMS 20 (Emergency Medical Technician).....	7
EMS 30 (Emergency Medical Responder).....	3
EMS 62 (Basic Medical Terminology).....	3

Total Units 17

Certificate of Accomplishment Emergency Medical Responder §

About the Certificate

The Certificate of Accomplishment in Emergency Medical Responder is designed to prepare the student for a job such as firefighter, lifeguard and police officer.

Career Opportunities

Possible jobs for this certificate include firefighter, lifeguard, police officer, and ski patrol member.

Program Outcomes

- Upon successful completion of the Certificate of Accomplishment in Emergency Medical Responder, the student will be competent as an entry-level Emergency Medical Responder in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains with exit points at the Emergency Medical Responder levels and certified to provide Basic Life Support CPR.
- Upon successful completion of the Certificate of

Accomplishment in Emergency Medical Responder, the student will be prepared to become an Emergency Medical Responder (EMR) through registration with the National Registry of EMT's.

- Upon successful completion of the Certificate of Accomplishment in Emergency Medical Responder, the student will be competent and prepared for employment as a Lifeguard, Police Officer, and/or Search and Rescue Squad member.

Required Core: (3.5 Units)

EMS 30 (Emergency Medical Responder).....	3
EMS 70B (CPR for Health Care Providers).....	0.5

Total Units 3.5

§ This certificate is not transcribed. This group of courses provides industry-based professional development. Individual courses will appear on transcript. See a counselor for further information.

Emergency Medical Services Courses (EMS)

EMS 10 PARAMEDIC THEORY 1 6 UNITS

General paramedic didactic education and training following the current Department of Transportation National Emergency Services Education Standards (NEMSES) and California Code of Regulations, Title 22. Includes cognitive content associated with: preparatory, anatomy and physiology, pharmacology, airway management, patient assessment, and trauma patient management. Prerequisite: EMS 20 with a minimum grade of B, BIO 50 with a minimum grade of C, EMS 62 with a minimum grade of C. Corequisite: EMS 12. 108 hours lecture. Transfer: CSU; C-ID# EMS 100 X.

Degree Applicable, Credit Grading Option: GR

EMS 11 PARAMEDIC THEORY 2 6 UNITS

This course provides paramedic didactic education and training following the current Department of Transportation National Emergency Services Education Standards (NEMSES) and California Code of Regulations, Title 22. Includes cognitive content associated with: Medical emergencies, special patient populations, and EMS operations. Prerequisite: EMS 10 with a minimum grade of C, EMS 12 with a minimum grade of C. Corequisite: EMS 13. 108 hours lecture. Transfer: CSU; C-ID# EMS 101 X.

Degree Applicable, Credit Grading Option: GR

EMS 12 PARAMEDIC LABORATORY 1 4 UNITS

Provides the skills portion of the current Department of Transportation National Emergency Services Education Standards (NEMSES) and California Code of Regulations, Title 22. Includes psychomotor skills associated with: preparatory, anatomy and physiology, pharmacology, airway management, patient assessment, and trauma patient management. Prerequisite: EMS 20 with a minimum grade of B, BIO 50 with a minimum grade of C, EMS 62 with a minimum grade of C. Corequisite: EMS 10. 216 hours laboratory. Transfer: CSU; C-ID# EMS 102 X.

Degree Applicable, Credit Grading Option: P/NP

EMS 13 PARAMEDIC LABORATORY 2 4 UNITS

Provides the skills portion of the current Department of Transportation National Emergency Services Education Standards (NEMSES) and California Code of Regulations, Title 22. Includes psychomotor skills associated with: medical patient management, cardiac patient management, special populations, EMS operations, and simulated patient encounters. Prerequisite: EMS 10 with a minimum grade of C, EMS 12 with a minimum grade of C. Corequisite: EMS 11. 216 hours laboratory. Transfer: CSU; C-ID# EMS 103 X.

Degree Applicable, Credit Grading Option: P/NP

EMS 14 PARAMEDIC CLINICAL PRACTICUM 6 UNITS

Provides instruction to enhance student's knowledge of emergency care in a clinical setting. Students are provided access to adequate numbers of patients, proportionally distributed by illness, injury, gender, age, and common problems encountered in the delivery of emergency care appropriate to the level of the Emergency Medical Services Profession(s). Hospital/clinical experiences include the operating room, recovery room, intensive care unit, coronary care unit, labor and delivery room, pediatrics, and emergency department, and include exposure to an adequate number of pediatric, obstetric, psychiatric, and geriatric patients. Prerequisite: EMS 10 with a minimum grade of C, EMS 11 with a minimum grade of C, EMS 12 with a minimum grade of C, EMS 13 with a minimum grade of C. 360 hours non-paid work experience. Transfer: CSU; C-ID# EMS 104 X.

Degree Applicable, Credit Grading Option: P/NP

EMS 15L PARAMEDIC FIELD INTERNSHIP LECTURE 1 UNIT

This is a co-requisite course to EMS 15P. Students will discuss their patient contacts with the Instructor. Students will be able to ask questions about clinical cases encountered in EMS 15P and discuss management of emergency care during the student's field internship. Weekly reports of cases encountered will be presented and discussed. As needed, the Instructor will meet with the student in person to observe the progress of their internship. Corequisite: EMS 15P. 18 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

EMS 15P PARAMEDIC FIELD INTERNSHIP 8 UNITS

Provides practicum experience for paramedic students to observe and participate in emergency medical care supervised by a preceptor in an emergency response vehicle. Requires a minimum of 480 hours, and students must document at least 40 advanced life support (ALS) Student will provide the full continuum of care from initial contact to transfer of care at the receiving facility for half of all ALS contacts. Students must obtain minimum competency as a Team Leader. The field internship provides the student with an opportunity to serve as team leader in a variety of pre-hospital advanced life support emergency medical situations. Prerequisite: EMS 10 with a minimum grade of C, EMS 11 with a minimum grade of C, EMS 12 with a minimum grade of C, EMS 13 with a minimum grade of C, EMS

14 with a minimum grade of P. Corequisite: EMS 15L. 480 hours non-paid work experience. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

EMS 20 EMERGENCY MEDICAL TECHNICIAN 7 UNITS

Provides training in the foundation skills and knowledge required of the EMT scope of practice. The EMT certification is the minimum requirement for ambulance attendants and most entry-level firefighter positions. EMT certification is also required for entry into paramedic training. This training program is accredited by the Alameda County Emergency Medical Services District. Prerequisite: EMS 30 with a minimum grade of B. 90 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

EMS 30 EMERGENCY MEDICAL RESPONDER 3 UNITS

Development of knowledge and skills necessary for recognizing and caring for victims in emergency situations, including patient assessment, cardiopulmonary resuscitation with the use of an automated external defibrillator, and prevention of disease transmission Designed for emergency medical responders in the public safety field. Successful completion of the psycho-motor skills tests and successful completion of the course with a score of 80%, and achieving a score on the course summative final at (80%) qualifies the student for an Emergency Medical Responder (EMR) Certificate issued by the Emergency Care and Safety Institute (ECSI). Strongly Recommended: EMS 70B with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: GR

EMS 62 BASIC MEDICAL TERMINOLOGY 3 UNITS

A basic course in medical terminology designed for students in studying for Allied Health careers such as Surgical Technologist, Paramedic, Pre-nursing, and Radiology Technician. Medical vocabulary with concentration on prefixes, suffixes, and root words. Emphasis on word dissection, definitions as applied to the body systems including the terminology used in surgical procedures. Concepts focus on comprehensive terminology, pronunciation and spelling core. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

EMS 70A COMMUNITY CPR & FIRST AID 0.5 UNITS

Designed for citizens in the community and non healthcare occupations. Development of the knowledge, skills and personal judgment necessary to initiate and perform basic life support techniques in cardiopulmonary resuscitation (CPR) & First Aid. Successfully completion of the knowledge and skills test qualifies for the American Heart Association Heart Saver CPR AED & First Aid Certificate. 9 hours lecture. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: P/NP

EMS 70B CPR FOR HEALTH CARE PROVIDERS **0.5 UNITS**

Development of knowledge, skills and personal judgment necessary to initiate and perform basic life support techniques as a health care professional. Successful completion of the knowledge and skills tests qualifies for an American Heart Association Basic Life Support Certificate. 9 hours lecture. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: P/NP

EMS 91 EMERGENCY MEDICAL TECHNICIAN - REFRESHER **1 UNIT**

Provides a refresher in the foundation and knowledge required of the EMT – 1 scope of practice. The EMT – 1 certification is the minimum requirement for ambulance attendants and most entry-level firefighter positions. EMT-1 certification is also required for entry into paramedic training. This refresher program is accredited by the Alameda County Emergency Medical Services Agency. The course provides a minimum of 24 hours of continuing education units or a course completion certificate. Additionally, the course provides skills verification testing that EMTs must complete every two years. Prerequisite: Proof of California State EMSA or National Registration Certification as an “Emergency Medical Technician.” Certification must be current, or expired less than 6 months. Student may also present documentation from the National Registry of Emergency Medical Technicians showing failure of initial three attempts at NREMT Certification Examination which now requires completion of EMS 91 for additional attempts to register for certification examination. 9 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

ENGINEERING

The Engineering Transfer program at Las Positas College is designed to prepare students to transfer to an engineering major at a four-year institution. The transfer program includes rigorous coursework from several different departments, including Engineering, Mathematics, Physics, Chemistry and Computer Science. Although students study general engineering majors at Las Positas, students transfer to specific engineering departments at four-year institutions.

The Engineering Technology program at Las Positas College is a two-year degree pathway resulting in an A.S. in Engineering Technology. This cohort-based learning community is designed as a strong local employment pathway for military veterans and others who want a hands-on engineering career with a focus on mechanical technology in an applied setting. Students receive foundational training in engineering, mathematics, physics, and welding, and develop skills in manufacturing and fabrication, problem-solving, and critical thinking. An accelerated mathematics sequence advances students from intermediate algebra to calculus-readiness in one year. The cohort-based learning model also delivers integrated career-readiness and support services. Eligible students have the opportunity to apply for a summer internship or work experience featuring valuable worksite activities, tours, hands-on training, and job-shadowing opportunities at a local engineering company or national laboratory. Graduates of the Engineering Technology program may be employed as mechanical technicians, mechanical technologists, or in other applied engineering fields.

For more information see:

<http://www.laspositascollege.edu/engineering/>

Veterans interested in the Engineering Technology program and benefits and services for Veterans, contact Todd Steffan, tsteffan@laspositascollege.edu. Additional information on the Engineering Technology program can be found by contacting lpc-engrtech@laspositascollege.edu

Programs of Study

Degrees:

- AS – Engineering Technology

Career Opportunities

With further study, engineers are responsible for developing a range of projects and designs from “simple” everyday items (cell phones, appliances) to complex (satellites, medical imagery instrumentation) in engineering offers many options in disciplines that include Aerospace, Biomedical, Chemical, Civil, Computer, Electrical, Environmental, Industrial, Materials and Mechanical Engineering, plus others.

AS – Engineering Technology

About the Degree

The Associate of Science in Engineering Technology program at Las Positas College is designed for those who want a hands-on engineering career with a focus on mechanical technology in an applied setting. The emphasis is on Mechanical Engineering applications and developing an understanding of how engineering, technology and manufacturing principles are applied in practice. The program provides students with foundational knowledge in mathematics, critical thinking, problem solving, and engineering design, as well as skills in manufacturing, fabrication, and welding so that students are able to adapt to the ever-changing modern industrial workplace. Students may also choose to continue their education towards a degree in a related engineering discipline.

Career Opportunities

Graduates of the program may find employment as mechanical technicians, mechanical technologists, stationary engineers, or in other applied engineering fields and may collaborate with scientists, engineers, designers, and manufacturing professionals.

Program Outcomes

- Upon completion of the AS in Engineering Technology, the student will be able to apply written, oral, and graphical communication in both technical and non-technical environments.
- Upon completion of the AS in Engineering Technology, the student will be able to conduct, analyze, and interpret standard tests, measurements, and experiments; and apply experimental result to improve processes.
- Upon completion of the AS in Engineering Technology, the student will be able to function effectively as a member or leader on a technical team.
- Upon completion of the AS in Engineering Technology, the student will be able to select and apply knowledge of math, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures.
- Upon completion of the AS in Engineering Technology, the student will be able to select and apply the knowledge, techniques, skills, and tools of the discipline to broadly-defined engineering technology activities.

Required Core: (30 Units)

ENGR 10 (Introduction to Engineering)	2
ENGR 22 (Engineering Design Graphics)	3
ENGR 37 (Applied Statics and Materials).....	3
MATH 39 (Trigonometry).....	4
MATH 30 (College Algebra for STEM)	4
PHYS 10 (Descriptive Physics)	3
PHYS 10L (Descriptive Physics Lab).....	1
WLDT 10 (Machining for the Metal Trades)	3
WLDT 62A (Beginning GTAW and GMAW Theory)	1
WLDT 62AL (Beginning GTAW and GMAW Skills Lab)	2
WLDT 63 (Welding Layout and Fitting).....	2
WLDT 79 (Manufacturing Processes)	2

List A: Select One (3 Units)

WRKX 94 (Occupational Work Experience/Internship)	3
WRKX 95 (General Work Experience)	3

Program-Based GE: (3 Units)

CMST 1 (Fundamentals of Public Speaking)	3
--	---

Total Units for the Major 33

Additional General Education and Elective Units 24

Total Units 60

See the Las Positas College General Education Pattern for Associate of Science Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Engineering Courses (ENGR)

ENGR 10 INTRODUCTION TO ENGINEERING 2 UNITS

Introduction to careers, activities, and topics related to the field of engineering, including computer applications to design and problem solving. Strongly Recommended: Eligibility for ENG 1A with a minimum grade of C. 36 hours lecture. Transfer: CSU, UC; C-ID# ENGR 110.

Degree Applicable, Credit Grading Option: OP

ENGR 22 ENGINEERING DESIGN GRAPHICS 3 UNITS

Introduction to the engineering-design process, and to technical graphic communications tools used by engineers. Conceptual design of products. Development of spatial reasoning skills. Orthographic and axonometric projection-drawing techniques. Tolerance analysis for fabrication. Documentation of designs through engineering working drawings. Use SolidWorks Computer-Assisted Drawing software as a design tool. Basic CAD 3-Dimensional solid-modeling. Strongly Recommended: MATH 38 with a minimum grade of C, ENG 1A with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

ENGR 25 COMPUTATIONAL METHODS FOR ENGINEERS AND SCIENTISTS 3 UNITS

Methodology and techniques for solving engineering/science problems using numerical-analysis computer-application programs MATLAB and EXCEL. Technical computing and visualization using MATLAB software. Examples and applications from applied-mathematics, physical-mechanics, electrical circuits, biology, thermal systems, fluid systems, and other branches of science and engineering. Prerequisite: MATH 1 with a minimum grade of C. Strongly Recommended: CS 7 with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC; C-ID# ENGR 220.

Degree Applicable, Credit Grading Option: GR

ENGR 35 STATICS 3 UNITS

Force systems under equilibrium conditions; rigid body structures; vector; graphical and algebraic solutions of problems. Centroids, centers of gravity and moments of inertia. Prerequisites: PHYS 1A with a minimum grade of C, MATH 2 with a minimum grade of C. Strongly Recommended: ENGR 22 with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

ENGR 37 APPLIED STATICS AND MATERIALS 3 UNITS

Applied statics, mechanics of materials, and materials science. Topics include stress, strain, types of forces, moments, moment of inertia, friction, truss structures, centers of gravity, modulus of elasticity, fasteners, chemistry and atomic structure, crystalline structures, phase diagrams. This course is designed for Engineering Technology majors; it is not intended for students pursuing the Engineering Requirements (Transfer Preparation) path. Prerequisite: MATH 39 with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

ENGR 44 INTRODUCTION TO CIRCUIT ANALYSIS 4 UNITS

Introduction to analysis methods for electrical circuits. Topics include general techniques for circuit analysis, simple resistive circuits, inductors, capacitors, mutual coupling, operational amplifier circuits, transient and steady-state analysis of first-order and second-order circuits. Lab topics include introduction to the use of electronic test equipment, designing, assembling, testing and simulating various resistive, LC, RC and operational amplifier circuits. Simulations are done with available circuit simulations codes such as PSpice. Prerequisite: PHYS 1A with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

ENGR 46 MATERIALS OF ENGINEERING 4 UNITS

Application of principles of chemistry and physics to the properties of engineering materials; the relation of microstructure to mechanical, electrical, thermal and corrosion properties of metals; ceramics and polymers. Prerequisite: PHYS 1A with a minimum grade of C, CHEM 1A with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU, UC; C-ID# ENGR 140 B.

Degree Applicable, Credit Grading Option: GR

ENGLISH

The English program is designed to help students become more effective writers, readers, researchers, and critical thinkers. In our classes, students will engage with texts about diverse, provocative, and universal themes. They will read dramatic narratives, topical articles, inspirational verse, and literature about the human condition. They will have the opportunity to think deeply about their own personal views and the views of others and express thoughtful and original ideas through clear, coherent essays. They will refine their understanding of academic honesty not just to avoid plagiarism but to enter into dialogue with other writers and academics. The English department is committed to familiarizing students with different genres of writing, whether as readers or creative writers, and with writers from a variety of cultural traditions and historical eras. Students will leave our program with the reading and writing skills to succeed across the curriculum, to thrive in their places of employment, to enrich their own lives, and to participate more thoughtfully in our communities and our world.

Programs of Study

Degrees:

- AA-T – English
- AA – English

Certificates of Achievement:

- Creative Writing

Career Opportunities

The coursework in English prepares students for the critical reading and writing necessary in a variety of fields, with further study, such as law, education, publishing, business, government, information architecture, writing, nonprofit development and fundraising, and many more. Research and feedback from San Francisco Bay Area employers shows that employees who can write well and think clearly are a valued commodity in the workforce.

AA-T – English

About the Degree

The Associate in Arts in English for Transfer (AA-T) provides major preparation in English through an introduction to English composition, critical thinking, literature, and creative writing. Like the Associate in Arts in English (AA), the coursework will prepare students for the critical reading and writing necessary in a variety of fields. However, the intent of the Associate in Arts in English for Transfer (AA-T) is to assist students in transferring into the California State University System. Students completing the Associate in Arts in English for Transfer (AA-T) degree receive a guarantee of admission with junior status into the California State University System. CSU is required to grant priority admission for a student with this associate degree to their [CSU] campus and to a

program or major that is similar to their community college major or area of emphasis, as determined by the [CSU] campus to which the student is admitted.” As such, the courses required for the Associate in Arts in English for Transfer (AA-T) are more narrowly focused on English courses and preparation for the English Baccalaureate degree whereas the courses allowed for the Associate in Arts in English (AA) cover a broader, interdisciplinary range and provide more general preparation in reading, writing, critical thinking, humanities, and creative expression.

Students wishing to pursue the Associate in Arts in English for Transfer (AA-T) must complete 60 units of coursework eligible for transfer to the California State University, including:

- The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education-Breadth Requirements
- 18 units of major coursework in English, as detailed below
- In addition, students must maintain a minimum 2.0 GPA, including grades of C or higher in each course taken to fulfill the major.

As mentioned above, the courses students take in the Transfer Model curriculum (TMC) in Arts in English for Transfer (AA-T) to enter the Baccalaureate program in English at the CSU. In addition, the English course objectives (contained in the Course Outline of Record) and the English Program Student Learning Outcomes will prepare students to excel in all of their classes at the CSU, as they focus students on becoming strong readers, writers, researchers, and thinkers.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education – Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is not an acceptable grade for courses in the major.

Career Opportunities

Students who achieve competence in these areas will be valuable additions to California’s workforce, consistent with the mission of the California Community Colleges. English majors go into a variety of fields, including law, education, publishing, business, government, information architecture, writing, nonprofit, development and fundraising, and many more.

Program Outcomes

- Upon completion of the AA-T in English, the student will be able to analyze an author's use of literary techniques to develop a theme.

- Upon completion of the AA-T in English, the student will be able to identify and evaluate implied arguments in college-level literary texts.
- Upon completion of the AA-T in English, the student will be able to recognize, appreciate, and compare the similarities and differences between authors, characters and self that stem from historical era and cultural tradition.
- Upon completion of the AA-T in English, the student will be able to use grammar, vocabulary, and style appropriate for academic essays.
- Upon completion of the AA-T in English, the student will be able to write a research paper using credible sources and correct documentation.
- Upon completion of the AA-T in English, the student will be able to write an academic essay synthesizing multiple texts and using logic to support a thesis.

Required Core: (6 Units)

ENG 4 (Critical Thinking and Writing about Literature)	3
ENG 7 (Critical Thinking and Writing Across Disciplines)	3

List A: (6 Units)

ENG 35 (Modern American Literature)	3
ENG 41 (Modern World Literature)	3

List B: Select One (3 Units)

ENG 11 (Introduction to Creative Writing).....	3
ENG 20 (Studies in Shakespeare).....	3
ENG 32 (U.S. Women’s Literature).....	3
ENG 45 (Studies in Fiction)	3

List C: Select One (3 Units)

Any List B course not already used.....	3
ENG 12A (Craft of Writing Fiction)	3
ENG 12B (Craft of Writing Fiction: Intermediate)	3
ENG 13A (Introduction To The Craft of Writing - Poetry)	3
ENG 19A (Journal of Arts, Literature, and Academic Writing A)	3
ENG 44 (Literature of the American West)	3
MSCM 1 (Introduction to Reporting and Newswriting)	3

Total Units for the Major 18

Additional General Education and Elective Units 42

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – English

About the Degree

The Associate of Arts in English degree (AA) provides major preparation in English through an introduction to English composition, critical thinking, literature, and creative writing. Please note that the English AA does not guarantee admission to CSU as the English AA-T does. However, like the Associate in Arts in English for Transfer (AA-T), the coursework will prepare students for the critical reading and writing necessary in a variety of fields. The intent of the Associate in Arts in English (AA) is additionally to provide students with an enriched background in a broader, interdisciplinary range of courses that provides more general preparation in reading, writing, critical thinking, humanities, and creative expression. Students may take elective courses in fields as varied as English as a Second Language, French, Humanities, Mass Communications, Spanish, Speech, and Theater Arts. If the student prefers this broader range of preparation to that of the Associate in Arts in English for Transfer (AA-T) enter the English major at the transfer university of his or her choice, it is essential that the student also refer to the catalog of the prospective transfer institution and consult a counselor. If a student plans to attend the University of California, the AA in English may meet the student's needs just as well. Students should speak to a counselor about their options.

Program Outcomes

- Upon completion of the AA in English, the student will be able to analyze an author's use of literary techniques to develop a theme.
- Upon completion of the AA in English, the student will be able to identify and evaluate implied arguments in college-level literary texts.
- Upon completion of the AA in English, the student will be able to recognize, appreciate, and compare the similarities and differences between authors, characters and self that stem from historical era and cultural tradition.
- Upon completion of the AA in English, the student will be able to use grammar, vocabulary and style appropriate for academic essays.
- Upon completion of the AA in English, the student will be able to write a research paper using credible sources and correct documentation.
- Upon completion of the AA in English, the student will be able to write an academic essay synthesizing multiple texts and using logic to support a thesis.

Required Core: (15 Units)

ENG 1A (Critical Reading and Composition)	3
ENG 4 (Critical Thinking and Writing about Literature)	3
ENG 7 (Critical Thinking and Writing Across Disciplines)	3
ENG 35 (Modern American Literature)	3
ENG 41 (Modern World Literature)	3

List A: Select Two (3-6 Units)

ENG 11 (Introduction to Creative Writing).....	3
ENG 12A (Craft of Writing Fiction)	3
ENG 12B (Craft of Writing Fiction: Intermediate)	3
ENG 13A (Introduction To The Craft of Writing - Poetry)	3

ENG 19A (Las Positas Literary Anthology A) or MSCM 19A (Las Positas Literary Anthology A).....	3
ENG 19B (Literary Magazine B) or MSCM 19B (Literary Magazine B)	1.5-2
ENG 20 (Studies in Shakespeare).....	3
ENG 32 (U.S. Women's Literature).....	3
ENG 44 (Literature of the American West)	3
ENG 45 (Studies in Fiction).....	3
ESL 24 (Advanced Reading and Composition I).....	6
ESL 25 (Advanced Reading and Composition II)	6
ESL 26 (Advanced Editing).....	3
HUMN 3 (Introduction to Humanities).....	3
HUMN 28 (World Mythology)	3
MSCM 1 (Introduction to Reporting and Newswriting).....	3
MSCM 2 (Journalism: Investigative News).....	3

Total Units for the Major 18-21

Additional General Education and Elective Units.....39-42

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Creative Writing

About the Degree

Stories and poems connect to the deepest parts of the human experience--our psychology, our relationships, our history, and our dreams. Learn how to craft writing that effectively expresses those experiences and communicates them to others. During the Certificate of Creative Writing sequence of study, students will write and workshop their own original work. They will also read and analyze the craft of published literature from diverse authors, study and apply the elements of fiction and/or poetry, and learn about the publication submission process. Students will also gain experience as editors on our college literary journal or magazine, selecting the content and working on the production and design process. Upon completion, students with this certificate will meet some lower division creative writing requirements for English bachelor's degrees at most colleges with an emphasis or minor in creative writing. This certificate can be earned at the same time as getting the AA-T in English without adding any additional units. (Work closely with a counselor to select your courses.)

Career Opportunities

- Advertising Copy Writer • Author/Critic • Bookstore Manager • Continuity Writer • Corporate Communications Director • Foreign Service Office • Freelance Journalist/Writer • Greeting Card Editor/Writer • Lawyer • Librarian • Media Specialist • Newspaper Reporter • Public Information Officer • Publication Editor • Publicity Director • Publishing Agent • Radio/TV Agent • Script Writer • Teacher/

Professor • Writer

Program Outcomes

- Upon completion of the Certificate of Achievement in Creative Writing, students will be able to write and revise fiction and/or poetry, demonstrating proficiency with the elements of fiction and/or poetry.
- Upon completion of the Certificate of Achievement in Creative Writing, students will be able to evaluate and critique works of fiction and/or poetry.
- Upon completion of the Certificate of Achievement in Creative Writing, students will be able to analyze and write about a diverse body of published literature.
- Upon completion of the Certificate of Achievement in Creative Writing, students will be able to perform entry-level editorial tasks on a magazine, journal, or newspaper.

Required Core: Select Two (6 Units)

ENG 11 (Introduction to Creative Writing).....	3
ENG 12A (Craft of Writing Fiction)	3
ENG 12B (Craft of Writing Fiction: Intermediate)	3
ENG 13A (Introduction To The Craft of Writing - Poetry)	3
ENG 13B (The Craft of Writing Poetry: Intermediate).....	3

List A: Select One (3 Units)

ENG 19A (Journal of Arts, Literature, and Academic Writing A).....	3
MSCM 19A (Journal of Arts, Literature, and Academic Writing A)	3
MSCM 1 (Introduction to Reporting and Newswriting).....	3
MSCM 34A (Naked Magazine: College Magazine A)	3

List B: Select Two (6 Units)

ENG 4 (Critical Thinking and Writing about Literature)	3
ENG 19B (Journal of Arts, Literature, and Academic Writing B) or MSCM 19B (Journal of Arts, Literature, and Academic Writing B)	3
ENG 20 (Studies in Shakespeare).....	3
ENG 32 (U.S. Women's Literature).....	3
ENG 35 (Modern American Literature).....	3
ENG 41 (Modern World Literature)	3
ENG 42 (Literature of the African Diaspora in America)	3
ENG 44 (Literature of the American West)	3
ENG 45 (Studies in Fiction).....	3

Total Units 15

English Courses (ENG)

ENG 1A CRITICAL READING AND COMPOSITION 3 UNITS

Integrated approach to reading, writing, and critical thinking intended to develop ability to read and write complex, college-level prose. Examination of ideas in relation to individual's worldview and contexts from which these ideas arise. Some research required. Prerequisite: ENG 104 with a minimum grade of P or NENG 204 with a minimum grade of P or ESL 25 with a minimum grade of C. 54 hours lecture, 18 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: A2; IGETC: 1A; C-ID# ENGL 100.

Degree Applicable, Credit Grading Option: GR

ENG 1AEX CRITICAL READING AND COMPOSITION EXPANDED 4 UNITS

Integrated approach to reading, writing, and critical thinking intended to develop ability to read and write complex, college-level prose. Examination of ideas in relation to individual's worldview and contexts from which these ideas arise. Some research required. Integrated approach to reading, writing, and critical thinking intended to develop ability to read and write complex, college-level prose. English 1AEX provides students with an extra unit of lab to support students in reading and writing complex, college-level prose. Students who have completed, or are enrolled in, ENG 1A may not receive credit. Prerequisite: ENG 104 with a minimum grade of P or ESL 25 with a minimum grade of C. 54 hours lecture, 54 hours laboratory. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

ENG 4 CRITICAL THINKING AND WRITING ABOUT LITERATURE 3 UNITS

Develops critical thinking, reading, and writing skills as they apply to the analysis of fiction, poetry and drama; literary criticism; and related non-fiction from diverse cultural sources and perspectives. Emphasis on the techniques and principles of effective written argument as they apply to literature. Some research required. Prerequisite: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: A3, C2; IGETC: 1B, 3B; C-ID# ENGL 105, ENGL 120.

Degree Applicable, Credit Grading Option: GR

ENG 7 CRITICAL THINKING AND WRITING ACROSS DISCIPLINES 3 UNITS

Develops critical thinking, reading and writing skills as they apply to the textual analysis of primary and secondary book-length works from a range of academic and cultural contexts. Emphasis on the techniques and principles of effective written argument in research-based writing across disciplines. Prerequisite: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: A3, C2; IGETC: 1B, 3B; C-ID# ENGL 105.

Degree Applicable, Credit Grading Option: GR

ENG 11 INTRODUCTION TO CREATIVE WRITING 3 UNITS

Introduction to elements and craft of various genres of creative writing, including narrative, verse, and dialogue, using materials drawn from individual's own work and selected texts from established and peer writers. Practice in writing in various genres. Introduction to workshop method. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU; CSU GE: C2; C-ID# ENGL 200.

Degree Applicable, Credit Grading Option: GR

ENG 12A CRAFT OF WRITING FICTION 3 UNITS

Practice in writing fiction. Developing internal and external sources for stories and novels; biographical sources, characterization, plot, points-of-view, narrative techniques; analysis and criticism of published writing and individual's own work. Strongly

Recommended: ENG 11 with a minimum grade of C, Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU; CSU GE: C2.

Degree Applicable, Credit Grading Option: OP

ENG 12B CRAFT OF WRITING 3 UNITS
FICTION: INTERMEDIATE

Practice in writing fiction at an intermediate level. Builds on the skills developed in English 12A by requiring the use of vivid description, specific detail, dynamic and rounded character development, consistent point of view, and logical plotting that avoids cliché. Focus on developing themes that create intellectual or emotional resonance. Expectation of sentence structure, grammar, and format accuracy. Develop internal and external sources for stories and novels; analysis and criticism of published short fiction and a book-length work; analysis and criticism of peer work and individual's own work. Requires submission for publication at the end of the semester. Strongly Recommended: ENG 12A with a minimum grade of C and ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU; CSU GE: C2.

Degree Applicable, Credit Grading Option: OP

ENG 13A INTRODUCTION TO THE 3 UNITS
CRAFT OF WRITING - POETRY

Practice in writing poetry, using materials drawn from published poetry and individual's own work for analysis and criticism, with a focus on techniques of revision. Strongly Recommended: ENG 1A, ENG 11. 54 hours lecture. AA/AS GE. Transfer: CSU; CSU GE: C2.

Degree Applicable, Credit Grading Option: OP

ENG 13B THE CRAFT OF WRITING 3 UNITS
POETRY: INTERMEDIATE

Continued practice in writing poetry, using materials drawn from published poetry and individual's own work for analysis and criticism, with a focus on techniques of revision and submission for publication. Prerequisite: ENG 13A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

ENG 19A JOURNAL OF ARTS, LITERATURE 3 UNITS
AND ACADEMIC WRITING A

Creation of a literary-style student magazine. Practical training in the managing, editing, formatting, and printing of a literary magazine. Enrollment constitutes the staff of the magazine. Cross listed with MSCM 19A. A student who has successfully completed MSCM 19A cannot enroll in ENG 19A. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

ENG 19B JOURNAL OF ARTS, LITERATURE 3 UNITS
AND ACADEMIC WRITING B

Creation of a literary-style student magazine. Practical intermediate-level training in the managing, editing, formatting, and printing of a literary supplement and/or magazine with a focus on the production process, including copy editing, design, layout, proofreading, working with the printer, and digital and print distribution. Enrollment constitutes the staff of the magazine. A student who has

completed MSCM 19B cannot enroll in ENG 19B. Prerequisite: MSCM 19A with a minimum grade of C or ENG 19A with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

ENG 20 STUDIES IN SHAKESPEARE 3 UNITS

Readings of the sonnets and representative comedies, histories, tragedies, and romances of William Shakespeare, with attention to the early, middle and late phases of his art and to the Age of Elizabeth. Prerequisite: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: GR

ENG 29 INDEPENDENT STUDY, 0.5-2 UNITS
ENGLISH

For course information, see "Independent Studies". 27-108 hours lecture.

ENG 32 U.S. WOMEN'S LITERATURE 3 UNITS

Chronicles the expression of U.S. women authors through readings in a variety of genres such as fiction, poetry, drama, and the essay. Study of the works of at least three of the following groups: African Americans, Asian Americans, European Americans, Hispanic Americans, and Native Americans, with a particular focus on the 20th century. Prerequisite: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: GR

ENG 35 MODERN AMERICAN 3 UNITS
LITERATURE

U.S. literature from the second half of the 19th century to the present, including poetry, drama, prose fiction, and essays. Emphasizes literary analysis and the exploration each work in relation to its social, cultural and historical contexts. Prerequisite: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B; C-ID# ENGL 35.

Degree Applicable, Credit Grading Option: GR

ENG 41 MODERN WORLD LITERATURE 3 UNITS

This course is a comparative study of selected works, in translation and in English, of literature from various regions and cultures around the world, including Africa, Europe, the Middle East, Asia, the Americas, and other areas, from the mid- or late-seventeenth century to the present. Emphasis will be on literary analysis as well as providing historical, cultural, and comparative perspectives on the literature. Prerequisite: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B; C-ID# ENGL 145.

Degree Applicable, Credit Grading Option: GR

ENG 42 LITERATURE OF THE AFRICAN 3 UNITS
DIASPORA IN AMERICA

Form, development, and cultural and historic insights of literature

of the African diaspora in America and the United States, including some or all of the following: short fiction and novels, oral history and memoir, poetry, plays, songs, popular culture, and nonfiction; exploration of particular themes or periods as reflected in the literature of people of the African diaspora created in America. Prerequisite: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ENG 44 LITERATURE OF THE AMERICAN WEST 3 UNIT

Critical analysis of the cultural and historical experiences of diverse people of the American West as expressed in their literatures, including the novel, short story, poetry, autobiography, memoirs, as-told-to-narratives, and secondary works. Exploration of interrelationships among peoples and cultures of the West, considering place and community, gender, and ethnicity as given voice in literature. Study of the works of at least three of the following groups: African Americans, Asian Americans, European Americans, Hispanic Americans, Native Americans. Emphasis upon techniques of critical review of and response to literary works, including gaining understanding of one's identity as a Westerner and an American. Prerequisite: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2, D3; IGETC: 3B.

Degree Applicable, Credit Grading Option: GR

ENG 45 STUDIES IN FICTION 3 UNITS

Form, development, and cultural insights of the novel and short story; exploration of particular themes or periods as reflected in works of fiction. Prerequisite: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: GR

ENG 100A INTEGRATED READING AND WRITING I 4 UNITS

Preparation in English for success in college. Integrates reading, critical thinking, and writing assignments, using materials that present a variety of perspectives from across the curriculum. Strongly Recommended: Appropriate skill level demonstrated through the English assessment process. 54 hours lecture, 54 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ENG 100R READING AND WRITING CENTER LAB 0.5 UNITS

This open-entry/open-exit, pass/no-pass course offers one-on-one instruction from English instructors in the Reading and Writing (RAW) Center. Students can complete their hours at any time that the Center is open. This course provides students with 27 hours of lab time in the RAW Center. Students must complete a minimum of 24 of those hours to receive credit. 27 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ENG 104 INTEGRATED READING AND WRITING II 4 UNITS

An accelerated one-semester preparation in English for success in college. Integrates reading, critical thinking and writing assignments,

using materials that present a variety of perspectives from across the curriculum. 54 hours lecture, 54 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ENG 104W INTEGRATED READING AND WRITING WORKSHOP 0.5 UNITS

This course provides additional LAB hours of instruction to support students who have not placed into 104 but hope to accelerate through the sequence of basic skills English courses. Instructors will work intensively with a group of ten students to support their development in critical thinking, reading, writing, and research. Corequisite: ENG 104. 27 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ENGLISH AS A SECOND LANGUAGE

The English as a Second Language (ESL) Program provides an opportunity for students whose first language is not English to develop language skills for their personal, professional, and academic lives. Through a six-semester sequence of reading, writing, grammar, and oral communication courses, students learn in lecture classes and attend one hour of lab. They read extensively from our Extensive Reading Library collection, use technology to enhance learning, enjoy rich cultural diversity in each class, and learn from intellectually stimulating material.

The advanced level courses are degree applicable and transferable.

The ESL Program provides a secure language foundation to prepare students for professional or academic training in English.

The Las Positas College website links you to resources to learn more about the ESL Program: www.laspositascollege.edu/esl.

English as a Second Language Courses (ESL)

ESL 23 ADVANCED GRAMMAR 3 UNITS

This is a one semester advanced grammar course for academic purposes. The course focuses on sentences, clauses, and phrases, verb tenses and forms, auxiliary verbs and modals, and grammar analysis primarily to enhance reading comprehension. Students are advised to enroll concurrently in ESL 23 and ESL 24 or 25. Prerequisite: ESL 120B with a minimum grade of P or NESL 220B with a minimum grade of P and ESL 121B with a minimum grade of P or NESL 221B with a minimum grade of P or placement through the ESL assessment process. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

ESL 24 ADVANCED READING AND COMPOSITION I 6 UNITS

This is the first semester of a one-year advanced reading and writing course for academic purposes. Emphasis is on critical reading techniques and writing expository essays as well as on grammar and vocabulary development. Prerequisite: ESL 121B with a minimum grade of P or placement through the ESL assessment process. 108 hours lecture. Transfer: CSU, UC*. *ESL 24 & 25 combined: maximum UC credit, 8 units.

Degree Applicable, Credit Grading Option: OP

ESL 25 ADVANCED READING AND COMPOSITION II 6 UNITS

This is the second semester of a one-year reading and writing course for academic purposes. Emphasis is on critical reading and techniques of exposition, analysis, and argumentation. Prerequisite: ESL 24 with a minimum grade of C or placement through the ESL assessment process. 108 hours lecture. Transfer: CSU, UC*. *ESL 24 & 25 combined: maximum UC credit, 8 units.

Degree Applicable, Credit Grading Option: OP

ESL 26 ADVANCED EDITING 3 UNITS

This course is designed to increase students' awareness of their own use of written language and give them practice in editing strategies which will enable them to use linguistic forms accurately, meaningfully and appropriately in written expression. Students are advised to enroll concurrently in ESL 26 and ESL 24 or 25. Prerequisite: ESL 120B with a minimum grade of P or NESL 220B with a minimum grade of P and ESL 121B with a minimum grade of P or NESL 221B with a minimum grade of P or placement through the ESL assessment process. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

ESL 29 INDEPENDENT STUDY, ESL 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

ESL 120A INTERMEDIATE GRAMMAR FOR READING AND WRITING 3 UNITS

This is the first semester of a one-year course in intermediate grammar for academic writing and reading designed to enable students to identify, comprehend, and use linguistic forms accurately, meaningfully and appropriately in reading and writing. The course focuses on types of sentences, clauses, and phrases, word order, verb forms, verb tenses, and on the connection between vocabulary and grammar. Students are advised to enroll concurrently in ESL 120A and 121A, and 123 or 126. Prerequisite: NESL 230B with a minimum grade of P or ESL 130B with a minimum grade of P or placement through the ESL assessment process. 54 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 120B HIGH-INTERMEDIATE GRAMMAR FOR READING AND WRITING 3 UNITS

This is the second semester of a one-year course in intermediate grammar for academic writing and reading designed to enable students to use linguistic forms accurately, meaningfully and appropriately in written expression. The course focuses on types of

sentences, clauses, phrases, word order, verb forms, verb tenses, and on the connection between vocabulary and grammar. This course also emphasizes analyzing grammar and meaning and detecting and correcting grammatical errors. Students are advised to enroll concurrently in ESL 120B and 121B and 123 or 126. Prerequisite: NESL 220A with a minimum grade of P or ESL 120A with a minimum grade of P or placement through the ESL assessment process. 54 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 121A INTERMEDIATE READING AND WRITING 6 UNITS

This is the first semester of a one-year course in intermediate academic writing and reading. Classes will focus on writing sentences, paragraphs and compositions, developing strategies for reading comprehension and flexibility, on interactive reading, and on academic vocabulary development. Students will develop cultural understanding, vocabulary, and fluency through a variety of academic writing and reading tasks. Students are advised to enroll concurrently in ESL 120A, and 121A and 123 or 126. Prerequisite: NESL 231B with a minimum grade of P or ESL 131B with a minimum grade of P or placement through ESL assessment process. 108 hours lecture, 18 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 121B HIGH-INTERMEDIATE READING AND WRITING 6 UNITS

This is the second semester of a one-year course in intermediate academic writing and reading. Classes will focus on writing sentences, paragraphs and compositions, developing strategies for reading comprehension and flexibility, on interactive reading, and on academic vocabulary development. Students will develop cultural understanding and fluency through a variety of academic writing and reading tasks. Students are advised to enroll concurrently in ESL 120B and 121B and 123 or 126. Prerequisite: NESL 221A with a minimum grade of P or ESL 121A with a minimum grade of P or placement through ESL assessment process. 108 hours lecture, 18 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 123 INTERMEDIATE ORAL COMMUNICATION 2 UNITS

This is an intermediate level oral communication course. This course will enable students to use linguistic forms accurately, meaningfully and appropriately, emphasizing academic listening and speaking skills: listening and speaking in small groups, listening to short lectures on academic topics, learning academic vocabulary and expressions, making presentations on new topics. Prerequisite: ESL 130B with a minimum grade of P or ESL 131B with a minimum grade of P or ESL 133 with a minimum grade of P or placement through the ESL assessment process. 36 hours lecture, 18 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 126 INTERMEDIATE PRONUNCIATION AND FLUENCY 2 UNITS

Focused practice on recognizing and producing individual speech

sounds, stress patterns, rhythm and intonation patterns, and grammatical signals through activities such as oral presentations, role play, authentic dialogue, and reading presentations. Prerequisite: ESL 130B with a minimum grade of P or ESL 131B with a minimum grade of P or ESL 136 with a minimum grade of P or placement through ESL assessment process. 36 hours lecture, 18 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 130A BEGINNING GRAMMAR 3 UNITS
FOR READING AND WRITING

This is the first semester of a one-year course in beginning grammar for academic purposes designed to enable students to understand and use English accurately, meaningfully and appropriately. The course focuses on the connection between vocabulary and grammar, simple and compound sentences, phrases, verb forms, and verb tenses, especially simple present, simple past, and present progressive. Students are advised to enroll concurrently in ESL 130A and 131A, and 133 or 136. Strongly Recommended: Placement through the ESL assessment process. 54 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 130B HIGH - BEGINNING GRAMMAR 3 UNITS
FOR READING AND WRITING

This is the second semester of a one-year course in beginning grammar for academic purposes designed to enable students to identify and use linguistic forms accurately, meaningfully and appropriately in written expression. The course focuses on simple and compound sentences, word order, verb tenses: simple present, past, and future as well as present and past progressive, verb forms, modals, phrases, and vocabulary development. Students are advised to enroll concurrently in ESL 130B and 131B, and 133 or 136. Prerequisite: NESL 230A with a minimum grade of P or ESL 130A with a minimum grade of P or placement through the ESL assessment process. 54 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 131A BEGINNING READING 6 UNITS
AND WRITING

This is the first semester of a one-year course in beginning academic writing and reading. Classes will focus on writing simple and compound sentences in short paragraphs, on developing strategies for increasing reading comprehension and flexibility, on interactive reading, and on developing academic vocabulary. Students will develop cultural understanding and fluency through a variety of writing and reading tasks. Students are advised to enroll concurrently in ESL 131A and 130A, and 133 or 136. Strongly Recommended: Appropriate skill level demonstrated through the ESL assessment process. 108 hours lecture, 18 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 131B HIGH-BEGINNING READING 6 UNITS
AND WRITING

This is the second semester of a one-year course in beginning academic writing and reading. Classes will focus on writing simple, compound, and complex sentences in structured paragraphs, on developing strategies for increasing reading comprehension and

flexibility, on interactive reading, and on developing academic vocabulary. Students will develop cultural understanding and fluency through a variety of writing and reading tasks. Students are advised to enroll concurrently in ESL 131B and 130B, and ESL 133 or 136. Prerequisite: NESL 231A with a minimum grade of P or ESL 131A with a minimum grade of P or Placement through ESL assessment process. 108 hours lecture, 18 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 133 BEGINNING ORAL 2 UNITS
COMMUNICATION

This is a beginning oral communication course. This course will enable students to use English accurately, meaningfully and appropriately, emphasizing conversational skills: listening and speaking in small groups, using new grammar structures orally, learning new words and expressions, comprehending and using idiomatic expressions. Strongly Recommended: Placement through the ESL assessment process. 36 hours lecture, 18 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 136 PRONUNCIATION AND 2 UNITS
FLUENCY

Focused practice on recognizing and producing individual speech sounds, stress patterns, rhythm and intonation patterns, and grammatical signals through activities such as oral presentations, role play, authentic dialogue, and presentations. Students will focus on developing listener friendly pronunciation. Course content includes individual as well as group work. Strongly Recommended: Placement through the ESL assessment process. 36 hours lecture, 18 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ENVIRONMENTAL SCIENCE

The Environmental Science program is a science and math based, multidisciplinary program focusing on the interaction of humans and the natural environment. The core requirements and elective courses for the Environmental Science major will prepare students to contribute, both personally and professionally, to the goal of creating a sustainable future.

Programs of Study

Degrees:

- AS – Environmental Science

Career Opportunities

Career opportunities, with further study, students may pursue careers in environmental science include: agriculture and natural resource engineers, animal and plant scientists, geoscientists, marine scientists, environmental compliance inspectors, environmental health specialists, environmental technicians, wildlife managers, forestry management specialists, horticulturalists, waste management specialists, and urban planners. In addition to the career options listed above, graduates in environmental science will also find work in business and industry areas not traditionally associated with the environment as sustainability becomes a necessary component of public and private sectors of the economy.

AS – Environmental Science

About the Degree

The Associate of Science in Environmental Science is a multi-disciplinary program which provides the scientific foundation for upper division coursework and career positions in environmental Science. Classes feature a broad background of preparation in math and science in such associated disciplines as mathematics, geology, physics, chemistry, biology, as well as economics.

Program Outcomes

- Upon completion of the AS in Environmental Science, the students must be able to perform and analyze a home Energy Audit.

Required Core: (43 Units)

BIO 1A (General Botany)	5
BIO 1B (General Zoology)	5
CHEM 1A (General College Chemistry I)	5
CHEM 1B (General College Chemistry II)	5
ECON 1 (Principles of Microeconomics)	3
EVST 5 (Energy and Sustainability)	3
GEOL 1 (Physical Geology)	3
GEOL 1L (Physical Geology Laboratory)	1

MATH 1 (Calculus I)	5
PHYS 2A (Introduction to Physics I)	4
PHYS 2B (Introduction to Physics II)	4

Program-Based GE: (3 Units)

BIO 40 (Humans and the Environment)	3
-------------------------------------	---

Total Units for the Major 43

Additional General Education and Elective Units 14

Total Units 60

See the Las Positas College General Education Pattern for Associate of Science Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

ENVIRONMENTAL STUDIES

The degree program in Environmental Studies is a multidisciplinary program which provides students the academic foundation for understanding the interaction of humans and the natural environment from scientific, technological, political, environmental, social, and economic perspectives. Accordingly, this program features a diverse array of classes designed for students transferring to a specialized program in environmental studies at many four year institutions. In completing the AA degree, students may study geology, geography, ecology, biology, chemistry, mathematics, philosophy, sociology, ethics, political science, and economics, as well as energy and sustainability.

Programs of Study

Degrees:

- AA – Environmental Studies

Career Opportunities

With further study, career opportunities include environmental planners, and environmental consultants as well as employment in related areas such as water, air, and forestry resource management, sustainable finance, energy auditing, transportation analysis, waste management, urban planning, sustainable construction, environmental impact analysis, and environmental remediation. Environmental studies graduates also work in fields not traditionally associated with the environment as sustainability becomes a necessary component of both public and private sectors of the economy.

AA – Environmental Studies

About the Degree

The Associate of Arts in Environmental Studies is a multi-disciplinary program which provides students the academic foundation for understanding the scientific and technological basis of energy technology, as well as the political, social, and economic factors that underlie energy policy choices. This transferable program features a diverse array of classes in the degree pattern from the natural and physical sciences in such associated disciplines as geology, geography, ecology, chemistry, statistics, philosophy, and economics. Students can further expand this foundation by selecting electives from other disciplines such as anthropology and political science.

Career Opportunities

Career opportunities include Environmental Planner, Environmental Consultants, and Greenhouse Gas Emissions Permitting Consultants. Graduates will also have the potential to specialize in related areas such as water, air and forestry resources management, finance, energy and transportation analysis, waste management, low impact construction, and environmental remediation.

Program Outcomes

- Upon completion of the AA in Environmental Studies, the students must be able to perform and analyze a home Energy Audit.

Required Core: (30 Units)

BIO 30 (Introduction to College Biology).....	4
BIO 40 (Humans and the Environment).....	3
CHEM 31 (Intro to College Chemistry)	4
ECON 1 (Principles of Microeconomics).....	3
EVST 5 (Energy and Sustainability)	3
GEOL 1 (Physical Geology)	3
GEOG 1 (Introduction to Physical Geography).....	3
MATH 40 (Statistics and Probability)	4
PHIL 2 (Ethics)	3

List A: Select Two (6-8 Units)

ANTR 1 (Biological Anthropology).....	3
ANTR 2 (Introduction to Archaeology).....	3
ANTR 3 (Cultural Anthropology)	3
BIO 60 (Marine Biology)	4
BIO 70 (Field Biology)	3
GEOG 15 (Introduction to GIS).....	3
GEOL 3 (Historical Geology)	3
GEOL 5 (Environmental Geology: Hazards & Disasters).....	3
GEOL 7 (Environmental Geology: Resources, Use Impact & Pollution)	3
GEOL 12 (Introduction to Oceanography)	3
HUMN 6 (Nature and Culture)	3
POLI 7 (Introduction to American Government)	4
POLI 12 (Introduction to California State and Local Government) .	3
SOC 5 (Introduction to Global Studies)	3

Total Units for the Major36-38

Additional General Education and Elective Units..... 22-24

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that

may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Environmental Studies Courses (EVST)

EVST 5 ENERGY AND SUSTAINABILITY 3 UNITS

Introduction and exploration of Energy production, utilization, management, and the effects on society and the environment. This course will also compare and contrast current and future renewable and non renewable methods of energy generation, auditing, and conservation. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1; IGETC: 5A.

Degree Applicable, Credit Grading Option: OP

FIRE SERVICE TECHNOLOGY

Las Positas College Fire Service Technology "core" curriculum is aligned with the National FESHE (Fire and Emergency Services Higher Education) 2018 model Fire Service curriculum, in addition several course offerings provide entry level industry certificates from the Office of State Fire Marshal, State Fire Training Division.

The Associate of Science Degree program focuses on both the technical training and the general education course work required for a degree. This program will prepare completers to enter gainful employment in the fire industry the fire technology program provides educational courses that prepare students to enter the field of fire technology as a firefighter. The program supports working partnerships with county and city fire departments forming a regional training center.

About Las Positas FIRE Academy-ARTP (Approved Regional Training Program)



Las Positas College Regional Fire Academy is an accredited Regional Training program (ARTP) as designated by the Office of the California State Fire Marshal (CSFM). As an ARTP, Las Positas College Regional Fire Academy is authorized to deliver a CSFM Accredited Fire Fighter I Academy and a full suite of CSFM courses leading advanced levels of certification. In addition, Las Positas College Regional Fire Academy is authorized by CSFM to deliver Fire Fighter I certification examinations in support of CSFM's accreditation by the International Fire Service Accreditation Congress (IFSAC) and the National Board on Fire Service Professional Qualifications (Pro Board).

The Las Positas College Regional Fire Academy is an accredited California State Fire Marshal program providing certificates from State Fire Training (SFT) and the National Wildfire Coordinating Group (NWCWG). This program and other similar programs statewide are intended to provide an educated recruit base for Fire Departments in the state of California. This program is designed to meet the dynamic challenges of fire department needs for pre-service recruits in the 21st century and enabling students to successfully become employed by fire departments throughout the state of California and within the Alameda County Community College District's service area. Las Positas College Fire Academy graduates are employed in every Fire Department in Alameda County and many departments in California as well as out of state.

The program goal/objective of the Fire Academy is to provide an academic, behavioral, physical, and manipulative skills base to enable a student upon graduation to successfully compete for an entry Firefighter position and to complete a departments probationary requirements. In order to maintain accreditation, the Las Positas College Fire Academy is reviewed by the California State Fire Marshal (CSFM ARTP Accredited Programs) and members of the California Fire Technology/Academy Directors Association every 3 years from the initial date of accreditation and 5 years thereafter

Programs of Study

Degrees:

- AS – Fire Service Technology

Certificates of Achievement:

- Fire Academy - Fire Suppression
- Fire Prevention
- Fire Service Technology

Career Opportunities

Career opportunities provided through the Fire Service Technology Program include Volunteer / Reserve Firefighter, Seasonal Wildland Firefighter, Full Time Professional Firefighter, Firefighter / EMT, Firefighter / Paramedic, Fire Inspector or Code Enforcement Officer, Fire Cause and Origin Investigator and State Certified "Fire Officer" which is desired for promotion to a "Company Officer" in most Fire Service Agencies.

AS – Fire Service Technology

About the Degree

The main focus of the Fire Service Technology Program is to prepare our students for ENTRY level positions with Municipal, State and Federal Fire Service agencies using a combination of training and education as our main foundation. The Associate Degree incorporates the standardized Fire Technology curriculum identified by the offices of the California State Chancellor and State Fire Marshal. You'll learn all the guidelines and regulations to ensure both the safety of you and the public. With this curriculum, you'll be prepared for any fire-related crisis, minimizing loss of life and property on a daily basis. LPC FST technology program is aligned with FESHE National FIRE model curriculum.

Career Opportunities

Career opportunities provided through the Fire Service Technology Program include Volunteer / Reserve Firefighter, Seasonal Wildland Firefighter, Full Time Professional Firefighter, Firefighter / EMT, Firefighter/Paramedic, Fire Inspector or Code Enforcement Officer, Fire Cause and Origin Investigator and State Certified "Fire Officer" which is desired for promotion to a "Company Officer" in most Fire Service Agencies. Students in the Fire Service Technology Program

have been very successful in finding employment in the Fire Service as “Professional Firefighters” throughout the United States due to their extensive training and knowledge that they have achieved here in comparison to the local competition of available candidates in many other states.

Program Outcomes

- Upon completion of the AS in Fire Service Technology, the student should be able to analyze and evaluate data to solve Fire Technology problems.
- Upon completion of the AS in Fire Service Technology, the student should be able to recognize the importance of ethics and professionalism within the Fire Technology field.
- Upon completion of the AS in Fire Service Technology, the student should be able to analyze and apply measures to resolve problems in areas of suppression, prevention, and EMS.
- Upon completion of the AS in Fire Service Technology, the student should be able to demonstrate technical, cognitive, and psycho-motor skills necessary to achieve and maintain employment in the fire service.

Required Core: (29 Units)

EMS 20 (Emergency Medical Technician)	7
EMS 30 (Emergency Medical Responder).....	3
FST 1 (Fire Protection Organization).....	3
FST 2 (Principles of Fire and Emergency Services Safety and Survival).....	3
FST 3 (Fire Behavior and Combustion)	3
FST 4 (Fire Prevention)	3
FST 5 (Fire Protection Systems)	3
FST 6 (Building Construction for Fire Protection)	3
FST FSC1 (Fire Service Conditioning & Physical Agility Development 1)	1

Program-Based GE: Select One (3 Units)

CMST 1 (Fundamentals of Public Speaking)	3
CMST 10 (Interpersonal Communication).....	3
PHIL 2 (Ethics)	3

Total Units for the Major 29

Additional General Education and Elective Units..... 28

Total Units 60

See Las Positas College General Education Pattern for Associate of Science Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Regional Fire Academy (FST 11) is a recommended elective in order to obtain a California State Fire Marshall Firefighter 1 Certificate.

**Certificate of Achievement
Fire Academy - Fire Suppression**

About the Certificate

The Las Positas College Regional Fire Academy is an accredited California State Fire Marshal program providing certificates from State Fire Training, the National Wildfire Coordinating Group and CAL Fire. This program and other similar programs statewide are intended to provide an educated recruit base for fire departments in the state of California. This program is designed to meet the dynamic challenges of fire department needs for pre-service recruits in the 21st century and enabling students to successfully become employed by fire departments throughout the state of California and within the Alameda County Community College Districts service area. The Las Positas College Fire Academy graduates are employed in every Fire Department in Alameda County and many departments in California as well as throughout the United States.

Career Opportunities

Firefighter Trainee Firefighter Reserve Seasonal Firefighter (Cal FIRE- US Forest Service) Hand-crew- Forestry Firefighter Upon successful completion of the Academy, students will meet the training requirements for the California State Fire Marshal Firefighter I. Student will then be able to apply for the Certification after successful competition of the FF1 2013 task book and experience requirement which includes: one year as a Volunteer or Reserve firefighter or six months as an Intern/full time paid firefighter with a recognized California fire department. The California State Fire Marshal's Office has adopted a National accredited certification process, which is approved by the International Fire Service Accreditation Congress (IFSAC) and the National Board on Fire Service Professional Qualifications (Pro Board).

Program Outcomes

- Upon completion of the Certificate of Achievement in Fire Academy-Fire Suppression, students will be able to define and identify the structure, culture and expectations of entry level firefighting personnel.
- Upon completion of the Certificate of Achievement in Fire Academy-Fire Suppression, students will be able to demonstrate the proper use of equipment, tools, skills and abilities required of an entry-level firefighter.
- Upon completion of the Certificate of Achievement in Fire Academy-Fire Suppression, students will be able to demonstrate the ability to perform to the standard set forth by State Fire Training Firefighter 2013 skills and examination standards.

Required Core: (20 Units)

FST FSC1 (Fire Service Conditioning & Physical Agility Development 1)	1
FST 1 (Fire Protection Organization).....	3
FST 11 (LPC-East Bay Regional Firefighter I Academy).....	16

List A: Select One (3-7 Units)

EMS 20 (Emergency Medical Technician)	7
EMS 30 (Emergency Medical Responder).....	3

Total Units 23-27

Certificate of Achievement Fire Prevention

About the Certificate

This certificate of achievement provides fundamental information regarding the history and philosophy of fire prevention and the organization and operation of a fire prevention bureau. Students will examine the use of codes, the identification and correction of fire hazards, the components of detection and suppression systems, and the relationship of fire prevention with fire safety education. Please note that in order for the student to be certified by state fire training as a FIRE inspector the following courses along with educational experience is needed: http://osfm.fire.ca.gov/training/FireInspector_I

Career Opportunities

Recipients of the Las Positas College Certificate of Achievement in Fire Prevention will be eligible to apply for positions as firefighter, firefighter/EMT, Seasonal Firefighter, Reserve Firefighter, Student Firefighter or Fire Aide and some Fire Prevention bureaus that do not require SFT fire inspector-1 certification but do require college work in Fire Service Technology with an emphasis on Fire Prevention.

Program Outcomes

- Upon completion of the Certificate of Achievement in Fire Prevention, students will be able to explain the difference between fire codes and building codes and how they apply to different municipalities.
- Upon completion of the Certificate of Achievement in Fire Prevention, students will be able to use and demonstrate how to properly conduct a fire inspection.
- Upon completion of the Certificate of Achievement in Fire Prevention, students, given field observations, will be able to recognize hazardous conditions involving equipment, processes, and operations in order to verify that equipment is maintained, and processes and operations are conducted in accordance with applicable codes and standards.

Required Core: (18 Units)

EMS 30 (Emergency Medical Responder).....	3
FST 1 (Fire Protection Organization).....	3
FST 3 (Fire Behavior and Combustion)	3
FST 4 (Fire Prevention)	3
FST 5 (Fire Protection Systems)	3
FST 6 (Building Construction for Fire Protection)	3

Total Units 18

Certificate of Achievement Fire Service Technology

About the Certificate

The Fire Service Technology program prepares the student for a career in the Fire Service, through the provision of highly specialized

curriculum which involves both cognitive and psychomotor applications of education and training. The necessary knowledge and skills sets of a desired educational background for an opportunity of employment or advancement into several different fire service career paths may be achieved through the successful completion of the different Fire Service Technology courses provided for in the program.

Career Opportunities

Career opportunities provided through the Fire Service Technology Program include Volunteer / Reserve Firefighter, Seasonal Wildland Firefighter, Full Time Professional Firefighter, Firefighter / EMT, Firefighter / Paramedic, Fire Inspector or Code Enforcement Officer, Fire Cause and Origin Investigator and State Certified "Fire Officer" which is desired for promotion to a "Company Officer" in most Fire Service Agencies. Students in the Fire Service Technology Program have been very successful in finding employment in the Fire Service as "Professional Firefighters" throughout the United States due to their extensive training and knowledge that they have achieved here in comparison to the local competition of available candidates in many other states.

Program Outcomes

- Upon completion of the Fire Service Technology Certificate of Achievement, the student should be able to analyze and evaluate data to solve Fire Technology problems.
- Upon completion of the Fire Service Technology Certificate of Achievement, the student should be able to recognize the importance of ethics and professionalism within the Fire Technology field.
- Upon completion of the Fire Service Technology Certificate of Achievement, the student should be able to analyze and apply measures to resolve problems in areas of suppression, prevention, and EMS.
- Upon completion of the Fire Service Technology Certificate of Achievement, the student should be able to demonstrate technical, cognitive, and psycho-motor skills necessary to achieve and maintain employment in the fire service.

Required Core: (22 Units)

EMS 30 (Emergency Medical Responder).....	3
FST 1 (Fire Protection Organization).....	3
FST 2 (Principles of Fire and Emergency Services Safety and Survival).....	3
FST 3 (Fire Behavior and Combustion)	3
FST 4 (Fire Prevention)	3
FST 5 (Fire Protection Systems)	3
FST 6 (Building Construction for Fire Protection)	3
FST FSC1 (Fire Service Conditioning & Physical Agility Development 1)	1

Total Units 22

Fire Service Technology Courses (FST)

Fire Service Technology courses may be scheduled alternating years. Students may be required to take day and evening classes to complete the Associate Degree.

FST 1 FIRE PROTECTION ORGANIZATION 3 UNITS

This course provides an overview to fire protection and emergency services, career opportunities in fire protection and related fields, culture and history of emergency services, fire loss analysis, organization and function of public and private fire protection services, fire departments as part of local government, laws and regulations affecting the fire service; fire service nomenclature, specific fire protection functions, basic fire chemistry and physics, introduction to fire protection systems, introduction to fire strategy and tactics, and life safety initiatives. 54 hours lecture. Transfer: CSU; C-ID# FIRE 100 X.

Degree Applicable, Credit Grading Option: GR

FST 2 PRINCIPLES OF FIRE AND EMERGENCY SERVICES SAFETY AND SURVIVAL 3 UNITS

This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services; assessing fire dangers and handling common fire situations; risk abatement and personal preparation for unforeseen fire emergencies; roles and responsibilities in educating the public on fire safety; development of a survival attitude using problem-solving techniques for increased situational awareness and self-reliance in an emergency. 54 hours lecture. Transfer: CSU; C-ID# FIRE 150 X.

Degree Applicable, Credit Grading Option: GR

FST 3 FIRE BEHAVIOR AND COMBUSTION 3 UNITS

Theory and fundamentals of why fires start, spread, and are controlled. An in-depth study of fire chemistry and fire physics, characteristics of materials, extinguishing agents, and fire control techniques. 54 hours lecture. Transfer: CSU; C-ID# FIRE 140 X.

Degree Applicable, Credit Grading Option: GR

FST 4 FIRE PREVENTION 3 UNITS

Provides fundamental knowledge relating to the field of fire prevention. Topics include, history and philosophy of fire prevention and organization, organization and operation of a fire prevention bureau, use and applications fire codes and standards, plans review, fire inspections, identification and correction of fire hazards, fire and life safety education, and fire investigation. Strongly Recommended: FST 1 with a minimum grade of C. 54 hours lecture. Transfer: CSU; C-ID# FIRE 110 X.

Degree Applicable, Credit Grading Option: GR

FST 5 FIRE PROTECTION SYSTEMS 3 UNITS

This course provides information relating to the features of design, and operations of fire alarm systems, water-based suppression systems, special hazard fire suppression systems and water supply for fire protection. Smoke and thermal detection systems, installation, testing and maintenance of automatic or manual protection systems

and water supply for sprinkler and standpipe systems and portable fire extinguishers. 54 hours lecture. Transfer: CSU; C-ID# FIRE 120 X.

Degree Applicable, Credit Grading Option: GR

FST 6 BUILDING CONSTRUCTION FOR FIRE PROTECTION 3 UNITS

This course provides the components of building construction related to fire and life safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at fire and collapse emergencies. Development and evolution of building and fire codes will be studied in their relationship to past fires and collapses in residential, commercial, and industrial occupancies. Strongly Recommended: FST 1 with a minimum grade of C. 54 hours lecture. Transfer: CSU; C-ID# FIRE 130 X.

Degree Applicable, Credit Grading Option: GR

FST 10 FIREFIGHTER I ACADEMY INTRODUCTION 1 UNIT

This course provides an orientation to the Fire Fighter I Academy and introduces the applied operations and maintenance of basic rescue and fire suppression apparatus and equipment. Topics include radio communications, ropes, ladders, hose, personal protective equipment, tool operations, maintenance, and physical fitness training. This course is required for students preparing to apply to the Fire Fighter I Academy at Las Positas College. 9 hours lecture, 27 hours laboratory.

Degree Applicable, Credit Grading Option: P/NP

FST 11 LPC-EAST BAY REGIONAL FIREFIGHTER I ACADEMY 16 UNITS

This course provides the skills and knowledge needed for the entry-level firefighter, career or volunteer, to perform his/her duties safely, effectively, and competently. The curriculum is based on the NFPA 1001 Standards for Fire Fighter Professional Qualifications, the NFPA 1051 Standard for Wildland Fire Fighter Professional Qualifications, and the NFPA 472 Standard for Competence of Responder to Hazardous Materials/Weapons of Mass Destruction Incidents. The seven overarching themes of the California State Fire Fighter I curriculum are: general knowledge germane to the profession, fire department communications, fire ground operations, rescue operations, preparedness and maintenance, wildland suppression activities, and hazardous materials/WMD. The course emphasizes the requirements of the California State Board of Fire Services Certified Firefighter I training, International Fire Service Accreditation Congress (IFSAC) standards, Professional Qualifications (ProBoard) requirements, and Cal Fire Wildland Firefighter-Basic training. This course, combined with Firefighter I Academy Skills Review and Certification, satisfies all training requirements for the IFSAC Firefighter I certification. Certificates of Completion for Fire Fighter I Academy issued with a grade "B" or better. Prerequisite: EMS 20 with a minimum grade of C or EMS 30 with a minimum grade of C or valid EMT or Paramedic cards, FST 1 with a minimum grade of C, FST FSC1 with a minimum grade of C or a valid CPAT or BIDDLE physical agility test or equivalent physical conditioning assessment certificate. 162 hours lecture, 378 hours laboratory.

Degree Applicable, Credit Grading Option: GR

**FST 11C STANDALONE FIREFIGHTER I 1.5 UNITS
SKILLS PRACTICE AND TESTING**

This course prepares students to meet the State Fire Training (SFT) requirements for Fire Fighter I (FFI) including the capstone knowledge and skills necessary to pass. Upon successful completion of the IFSAC and Pro-Board Certification Exams at the end of the course, students will receive a pass letter from the SFT. Prerequisite: FST 11 with a minimum grade of B or Completion of a Fire Academy using the Firefighter 2013 curriculum as the described by California State Fire Training and a letter from a recognized fire agency attesting to the fact that the applicant has met the aforementioned requirement. 9 hours lecture, 54 hours laboratory.

Degree Applicable, Credit Grading Option: P/NP

**FST 20 CO 2A HUMAN RESOURCE 2.5 UNITS
MANAGEMENT FOR COMPANY
OFFICERS**

This course provides information on the use of human resources to accomplish assignments, evaluating member performance, supervising personnel, and integrating health and safety plans, policies, and procedures into daily activities as well as the emergency scene. This is a required course for any Firefighter within State Fire Training and certification track who is seeking promotion to the rank of Company Officer. This course follows all applicable mandates and content as identified by the CSFM State Fire Training description. Prerequisite: FST 11 with a minimum grade of B and Completion of any Firefighter Academy by a recognized Fire Agency using the new Firefighter 2013 curriculum and letter from the Fire Chief attesting to this. Additionally, State Fire Training Firefighter 1 and Firefighter 2 certificates or equivalents as designated by State Fire Training. Instructors will collect a copy of these certificates the first day of classes in for students to remain in this course. 45 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**FST 21 CO 2B GENERAL 1.5 UNITS
ADMINISTRATIVE FUNCTIONS
FOR COMPANY OFFICERS**

This course provides information on general administrative functions and the implementation of department policies and procedures and addresses conveying the fire department's role, image, and mission to the public. Prerequisite: FST 11 with a minimum grade of B and Meets the educational requirements for Firefighter 1 and Firefighter 2 certificates as described in State Fire Training policies and procedures handbook. A letter from a Fire Chief stating that the Firefighter 2013 curriculum was used for the student in question. 27 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**FST 22 CO 2C FIRE INSPECTIONS 2.5 UNITS
AND INVESTIGATION FOR
COMPANY OFFICERS**

This course provides information on conducting inspections, identifying hazards and addressing violations, performing a fire investigation to determine preliminary cause and securing the incident scene and preserving evidence. This course is a requirement for aspiring Firefighters seeking promotion as a company officer.

Prerequisite: FST 11 with a minimum grade of B and Completion of any Fire Academy using the Firefighter 2013 curriculum and/or certification as both a Firefighter 1 and Firefighter 2 with a letter from the Fire Chief attesting to this fact. 45 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**FST 23 CO 2D ALL - RISK COMMAND 2.5 UNITS
OPERATIONS FOR COMPANY OFFICERS**

This course provides information on conducting incident size-up; developing and implementing an initial plan of action involving single and multi-unit operations for various types of emergency incidents to mitigate the situation following agency safety procedures; conducting pre-incident planning; and develop and conduct a post incident analysis. Prerequisite: FST 11 with a minimum grade of B and/or Completion of a Firefighter 1 Academy using the Firefighter 2013 curriculum and a signed letter by the Fire Chief attesting to this. Educational requirements for Firefighter 1 and Firefighter 2 as referenced in State Fire Training procedures manual and I CS200.B: Incident Command System For Single Resources and Initial Action Incidents Hazardous Material Incident Commander (as offered by the California Specialized Training Institute). Copies of these certificates will be collected by the instructor the first day of the class. 45 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

FST 51 FIRE SERVICE OPERATIONS 3 UNITS

Fundamentals of fire department organization, management and resources; fire company organization; resources to control various emergencies; multi-agency coordinating systems; support and regulatory agencies; strategy and tactics applied to structural fire fighting, wildland fire fighting, and hazardous material emergencies; and safety conditions to be considered. Strongly Recommended: FST 1 with a minimum grade of C or may be co-enrolled. 54 hours lecture, 18 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

**FST FSC1 FIRE SERVICE CONDITIONING 1 UNIT
& PHYSICAL AGILITY DEVELOPMENT 1**

This course is an introduction to the components of physical fitness development and conditioning, with an emphasis in preparing students for the physical agility performance and testing standards required of "Emergency First Responder" Candidates entering into Police or Fire Academies. Students will be presented instruction on proper warm-up and stretching techniques, how to maintain and develop the components of fitness through increased muscular strength and muscular endurance, cardiovascular endurance and recovery, and increased flexibility and balance. Students will be introduced to Circuit Training and will also receive skills instruction on various testing parameters of the Nationally approved and recognized Certified Physical Agility Test (CPAT). Students will additionally receive instruction on various "Tools of the Trade" (i.e., Ladders, Fire Hose, SCBA) for developing proper skills in handling, lifting and carrying techniques as well as developing cardio-respiratory control and aerobic conditioning while wearing a "Self Contained Breathing Apparatus" (SCBA) under conditions of physical exertion. 54 hours laboratory. AA/AS GE. Transfer: CSU; CSU GE: E.

Degree Applicable, Credit Grading Option: GR

**FST FSC2 FIRE SERVICE CONDITIONING 1 UNIT
& PHYSICAL AGILITY DEVELOPMENT 2**

This course builds on the fundamentals of basic fitness in FST FSC1 and increases the performance expectations. Students will use the skills and knowledge they learned in FST FSC1 to raise their level of performance. They will also be acting as crew leaders and mentors for the FST FSC1 students. Students will be expected to perform many of the same exercises of the FST FSC 1 students, however they will have added resistance and weight load. For example, students will exercise while wearing SCBA bottles or weight vests. To pass the class, students must pass a certified CPAT exam, held at an outside facility. Strongly Recommended: FST FSC1 with a minimum grade of C. 54 hours laboratory. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

FRENCH

The French program offers primarily first and second-year transfer-level courses designed to prepare students to continue with their language studies in upper-division courses after leaving Las Positas College. In addition, there is an emphasis on learning about the cultures of French-speaking people.

French Courses (FREN)

FREN 1A BEGINNING FRENCH 5 UNITS

This introductory level course will enable students to begin speaking, reading and writing elementary level French as well as understanding the spoken language. Students are introduced to concepts of grammar, vocabulary and verb tenses in a variety of auditory, visual and written contexts. Strongly Recommended: Eligibility for ENG 1A. 90 hours lecture. AA/AS GE. Transfer: CSU, UC; IGETC: 6A.

Degree Applicable, Credit Grading Option: OP

FREN 1B ELEMENTARY FRENCH 5 UNITS

This is the second semester of the introductory level course and will enable students to continue learning to speak, read and write elementary level French as well as to understand the spoken language. Students are introduced to concepts of grammar, vocabulary and verb tenses in a variety of auditory, visual and written contexts. Prerequisite: FREN 1A with a minimum grade of C or appropriate skill level demonstrated through the assessment process. 90 hours lecture. AA/AS GE. Transfer: CSU, UC; IGETC: 6A.

Degree Applicable, Credit Grading Option: OP

FREN 2A INTERMEDIATE FRENCH I 4 UNITS

In this course students will review grammar from the intermediate level and continue to more advanced topics. Reading of a work or works of modern authors. Intensified focus on conversation and composition. Prerequisite: FREN 1B with a minimum grade of C. 72 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B, 6A.

Degree Applicable, Credit Grading Option: OP

FREN 2B INTERMEDIATE FRENCH II 4 UNITS

Reading of French authors; advanced review of grammar; emphasis on speaking and composition. Prerequisite: FREN 2A with a minimum grade of C. 72 hours lecture. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B, 6A.

Degree Applicable, Credit Grading Option: OP

GEOGRAPHY

Geography is the science of place and space. Geographers ask where things are located on the surface of the earth, why they are located where they are, how places differ from one another, and how people interact with the environment. There are two main branches of geography; human geography and physical geography. Human geography is concerned with the spatial aspects of human existence – how people and their activity are distributed in space, how they use and perceive space, and how they create and sustain the places that make up the earth’s surface. Human geographers work in the field of urban and regional planning, transportation, marketing, real estate, tourism and international business. Physical geographers study patterns of weather and climate, landforms, vegetation, soils and water. They forecast the weather, manage land and water resources, and analyze and plan for forests, rangelands, and wetlands.

Many human and physical geographers have skills in cartography and Geographic Information Systems (GIS) study the linkages between human activity and natural systems, and are active in the study of global warming, desertification, deforestation, loss of biodiversity, groundwater pollution, and flooding.

Programs of Study

Degrees:

- AA-T – Geography

AA-T – Geography

About the Degree

The Greek derivation of the word geography is “earth description.” Geography studies natural features such as mountain ranges, rivers, valleys, forests, deserts, and grasslands, as well as man-made features such as cities, roads, dams, and bridges. Geography is truly an integrated discipline. It helps us to understand our natural environment and its capacity to maintain life. Is this capacity of supporting human civilization unlimited? If not, how much more can we abuse our physical environment without diminishing its capacity to sustain life? Geography is central to an understanding of the international global arena and provides an exciting and challenging way to examine our planet.

The intent of the Associate in Arts in Geography degree for Transfer is to assist students in transferring into the California State University System and will prepare them for baccalaureate level work in Geography or a similar major. Students completing the AA-T

degree receive a guarantee of admission with junior status into the California State University System. CSU is required to grant priority admission for a student with this associate degree “to his or her local [CSU] campus and to a program or major that is similar to his or her community college major or area of emphasis, as determined by the [CSU] campus to which the student is admitted.” In addition, “A student...shall receive priority over all other community college transfer students, excluding community college students who have entered into a transfer agreement between a community college and the California State University prior to the fall term of the 2013-14 academic years.”

Career Opportunities

Geography serves as an excellent undergraduate major. With additional study, geography majors may find opportunities in city, county, and state governments in the field of Geographic Information Systems (GIS), urban planning, and environmental studies because of their broad training. The national mapping division of the United States Geological Survey traditionally needs geographers in map making and its related job openings such as photo-interpretation, satellite image analysis, land use and land cover mapping. In addition, the analytical skills gained through a Geography major provide a strong foundation for graduate study in law, urban planning and architecture.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education - Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Program Outcomes

- Upon completion of the AA-T in Geography, the student will be able to assemble and analyze spatial information (maps, data, surveys, qualitative observations, etc), using traditional and modern mapping technology methods.
- Upon completion of the AA-T in Geography, the student will be able to demonstrate knowledge of global physical and environmental processes, locations and develop an appreciation of landscapes.

Required Core: (7 Units)

GEOG 1 (Introduction to Physical Geography).....	3
GEOG 1L (Introduction to Physical Geography Laboratory)	1
GEOG 2 (Cultural Geography).....	3

List A: Select Two (6 Units)

GEOG 5 (World Regional Geography)	3
GEOG 8 (Weather and Climate).....	3
GEOG 12 (Geography of California)	3
GEOG 15 (Introduction to GIS)	3

List B: Select Two (6 Units)

Any List A course not already used.....	3
ANTR 3 (Cultural Anthropology)	3
GEOG 1 (Physical Geology)	3

Total Units for the Major 19

Additional General Education and Elective Units 41

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Geography Courses (GEOG)

GEOG 1 INTRODUCTION TO PHYSICAL GEOGRAPHY 3 UNITS

This course is a spatial study of the Earth's dynamic physical system and processes. Topics include: Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere with emphasis on spatial characteristics, change over time, interactions between environmental components, and human-environment interactions. Tools of geographic inquiry are also briefly covered; they include maps, remote sensing, Geographic Information Systems (GIS) and Global Positioning Systems (GPS). 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1; IGETC: 5A; C-ID# GEOG 110.

Degree Applicable, Credit Grading Option: GR

GEOG 1L INTRODUCTION TO PHYSICAL GEOGRAPHY LABORATORY 1 UNIT

This course is designed to provide supplemental exercises in topics covered in physical geography lecture. Lab experience will include map analysis and interpretation, weather prognostication, landform processes and evolution, tectonics, biogeography, and habitat analysis. Prerequisite: GEOG 1 with a minimum grade of C (May be taken concurrently). 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B3; IGETC: 5C; C-ID# GEOG 111.

Degree Applicable, Credit Grading Option: GR

GEOG 2 CULTURAL GEOGRAPHY 3 UNITS

The course is a study of diverse human populations, their cultural origins, diffusion and contemporary spatial expressions. Topics include: demography, languages and religions, urbanization and landscape modification, political units and nationalism, and economic systems and development. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D5; IGETC: 4E; C-ID# GEOG 120.

Degree Applicable, Credit Grading Option: GR

GEOG 5 WORLD REGIONAL GEOGRAPHY 3 UNITS

Survey of the world's culture regions and nations as interpreted by geographers, including physical, cultural, and economic features. Emphasis on spatial and historical influences on population growth, transportation networks, and natural environments. Identification and importance of the significant features of regions. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D5; IGETC: 4E; C-ID# GEOG 125.

Degree Applicable, Credit Grading Option: GR

GEOG 8 INTRODUCTION TO ATMOSPHERIC SCIENCE 3 UNITS

Introduction to the Earth's atmosphere: topics include atmospheric structure and composition, solar radiation and energy balances, temperature, seasonal changes, atmospheric moisture, clouds and fog, precipitation, air pressure, winds, air masses and fronts, cyclones, weather forecasting, climate and climate change. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1; IGETC: 5A; C-ID# GEOG 130.

Degree Applicable, Credit Grading Option: GR

GEOG 12 GEOGRAPHY OF CALIFORNIA 3 UNITS

A thematic approach to the state's issues, processes and topics relevant to geography including climate, landforms, natural vegetation, water resources, cultural landscape, ethnic diversity, urban and agricultural regions, and the economy. This course explores the physical and human landscapes that have evolved as a result of the human-environment interface. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1, D5; IGETC: 4E, 5A; C-ID# GEOG 140.

Degree Applicable, Credit Grading Option: GR

GEOG 15 INTRODUCTION TO GIS 3 UNITS

Study of Geographic Information Systems (GIS) science and its applications to spatial data management. Identification and acquisition of GIS data. Assessment of vector and raster systems, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). Spatial analysis and modeling with GIS. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D5; C-ID# GEOG 155.

Degree Applicable, Credit Grading Option: GR

GEOLOGY

Geology is the study of the Earth, its features and processes. Geology affects populations worldwide through earthquakes, volcanic events, natural resource mining and management, soils, water resources, and more. Geologic areas of study include volcanoes; earthquakes and seismology; the Geologic Time Scale and the formation of the earth; petrology (rocks) and minerals; hydrology; erosion; oceanography, including beach systems; environmental geology (resources, hazards, etc.); glaciers and Ice Ages; groundwater; deserts, and extra-terrestrial planets. The Las Positas College Geology Program features lectures and laboratories for both Geology majors and non-science majors.

Programs of Study

Degrees:

- AS-T - Geology

Certificates of Achievement:

- Geology
- Geology Major

Career Opportunities

With further study, students can pursue geologic specialties include geologic mapping, earthquakes and seismology, vulcanology, hydrology, earth resources and environmental impacts, paleontology, glaciology, petrology and mineralogy, mass wasting (landslides and slope stability), marine geology, paleoclimatology, soil science, the geology of other planets, etc. Geologic and engineering firms have geologists on staff working on geologic mapping, hazard assessment/evaluation, water resource planning, etc. At research facilities such as Sandia and LLNL, geologists work on projects such as modeling the earth's interior, studying climate change, groundwater remediation, etc. The USGS, CGS, NOAA, NASA, EPA, and the U.S. Army Corps of Engineers have geologists on staff, as do museums, colleges, and universities.

AS-T – Geology

About the Degree

The Las Positas College Geology program offers courses that lead to an Associate in Science in Geology for Transfer degree. The major requirements for the Associate in Science in Geology for Transfer degree align with the Intersegmental Transfer Model Curriculum (TMC) for Geology. Students will have guaranteed admission to a California State University (CSU) campus upon successful completion of the program requirements. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals. General education requirements should be selected carefully based on the intended transfer institution.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education - Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Program Outcomes

- Upon completion of the AS-T in Geology, students should be able to demonstrate proficiency in basic earth processes (e.g., plate tectonics).
- Upon completion of the AS-T in Geology, students should be able to demonstrate proficiency in the evaluation and identification of basic earth materials (e.g., rocks and minerals).

Required Core: (28 Units)

CHEM 1A (General College Chemistry I)	5
CHEM 1B (General College Chemistry II).....	5
GEOL 1 (Physical Geology)	3
GEOL 1L (Physical Geology Laboratory)	1
GEOL 2 (Historical Geology with Lab)	4
MATH 1 (Calculus I).....	5
MATH 2 (Calculus II)	5

Total Units for the Major 28

Additional General Education and Elective Units 32

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Geology

About the Certificate

This Certificate of Achievement in Geology signifies that students have received basic knowledge in geological sciences and skills, which facilitate paraprofessional employment such as geological technician and geological field assistant. The certificate also provides a good foundation for continued study in the field of geology.

Program Outcomes

- Upon completion of the Geology Certificate, students should be able to demonstrate proficiency in fundamental global earth processes (e.g., plate tectonics, earthquakes, volcanoes, etc.)
- Upon completion of the Geology Certificate, students should be able to demonstrate proficiency with geologic analysis and/or geologic tools (e.g., unraveling the chronology of geologic events, earth materials identification/evaluation, etc.)

Required Core: Select Four (12-13 Units)

GEOL 1 (Physical Geology)	3
GEOL 2 * (Historical Geology with Lab).....	4
GEOL 5 (Environmental Geology: Hazards & Disasters).....	3
GEOL 7 (Environmental Geology: Resources, Use Impact & Pollution)	3
GEOL 12 (Introduction to Oceanography).....	3

List A: Select One, Unless GEOL 2 is Completed (0-1 Units)

GEOL 1L (Physical Geology Laboratory).....	1
GEOL 12L (Intro to Oceanography Lab).....	1

Total Units 13

** If GEOL 2 is selected List A is not required*

Certificate of Achievement Geology Major

About the Certificate

The Geology Major Certificate of Achievement is designed for geology students working towards completing lower-division transfer courses that apply towards four-year Geology baccalaureate programs. The courses in this program satisfy lower division requirements at most 4-year universities and colleges. Students should work with academic counselors at both Las Positas and their transferring institutions with regards to the full breadth and scope of the courses that students should complete for their baccalaureate degree.

Program Outcomes

- Upon completion of the Certificate of Achievement in Geology Major, students should be able to demonstrate proficiency in geologic processes and concepts (e.g., plate tectonics, earthquakes, volcanoes, landslides, hydrology, geochronology, etc).
- Upon completion of the Certificate of Achievement in Geology Major, students should be able to demonstrate proficiency with geologic analysis and/or geologic tools (e.g., mineralogy, petrology, topography and/or geologic maps and structures, unraveling the chronology of geologic events, earth materials identification/evaluation, etc.).

Required Core: (17 units)

CHEM 1A (General College Chemistry I).....	5
GEOL 1 (Physical Geology)	3
GEOL 2 (Historical Geology with Lab)	4
MATH 1 (Calculus I).....	5

Total Units 17

Geology Courses (GEOL)

GEOL 1 PHYSICAL GEOLOGY 3 UNITS

The Earth, its materials, its internal and external processes, and its development through time. Emphasis is placed on a thorough global understanding of Plate Tectonics as a framework and foundation for subsequent geologic topics and concepts. Topics include volcanoes, earthquakes and seismology, the Geologic Time Scale and the formation of the earth, rocks and minerals, hydrology, erosion, beach systems, environmental geology, glaciation, groundwater, etc. Course content includes the historical development of key geologic concepts. This is the foundation course for almost all subsequent geology courses for both geology majors and non-majors. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1; IGETC: 5A; C-ID# GEOL 100.

Degree Applicable, Credit Grading Option: OP

GEOL 1L PHYSICAL GEOLOGY LABORATORY 1 UNIT

Laboratory course to supplement the physical geology lecture course. Introduction to the materials and techniques of geology. Includes minerals, rocks, topographic and geologic maps, structural geology, identification and interpretation of landforms, geologic time and relative age dating analysis, etc. Prerequisite: GEOL 1 with a minimum grade of C (May be taken concurrently) or GEOL 5 with a minimum grade of C (May be taken concurrently) or GEOL 7 with a minimum grade of C (May be taken concurrently). 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B3; IGETC: 5C; C-ID# GEOL 100 L.

Degree Applicable, Credit Grading Option: OP

GEOL 2 HISTORICAL GEOLOGY WITH LAB 4 UNITS

An introduction to Earth's history and the life it supports with a laboratory. Subjects include geologic dating, plate tectonics, stratigraphy, fossils, biological evolution, the planet's origin and the processes that have influenced paleogeography during the past 4.6 billion years. Strongly Recommended: GEOL 1 with a minimum grade of C. 54 hours lecture, 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID# GEOL 111.

Degree Applicable, Credit Grading Option: OP

GEOL 5 ENVIRONMENTAL GEOLOGY: HAZARDS & DISASTERS 3 UNITS

Understanding and planning for the effects of natural hazards and disasters on the earth, the ecosystem and human populations. Content covers the basic natural hazard processes, where and why they occur, as well as considerations for environmental land-use planning. Environmental hazards studied include earthquakes, volcanoes, river systems (including floods and dams), landslides, coastal erosion, tsunamis, sinkholes, etc. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1; IGETC: 5A; C-ID# GEOL 130 (if taken with GEOL 7)

Degree Applicable, Credit Grading Option: OP

GEOL 7 ENVIRONMENTAL GEOLOGY: RESOURCES, USE IMPACT & POLLUTION 3 UNITS

Understanding how and where Earth's environmental resources are created and located, and then studying how the resources are accessed and utilized. Topics include rock and mineral resources, energy resources (including fossil fuel and non-fossil fuel resources), water (including rivers, reservoirs, groundwater, etc.), waste disposal (including water and air pollution), global climate changes (including the greenhouse effect), etc. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1; IGETC: 5A; C-ID# GEOL 130 (if taken with GEOL 5)

Degree Applicable, Credit Grading Option: OP

GEOL 12 INTRODUCTION TO OCEANOGRAPHY 3 UNITS

Introduction to the oceans, the history of oceanic science, instrumentation and exploration; marine geology including plate tectonics and shoreline processes; physical and chemical properties of sea water; causes and effects of currents, tides, and waves; introduction to the basic types of marine life, the basic marine habitats and ecosystems; distribution of marine resources and the Law of the Sea. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1; IGETC: 5A.

Degree Applicable, Credit Grading Option: OP

GEOL 12L INTRODUCTION TO OCEANOGRAPHY LAB 1 UNIT

Laboratory course to supplement the oceanography lecture course. Introduction to the materials and techniques of oceanic science. Includes sea floor rocks, oceanic geography, bathymetric maps, seismic reflection, seawater physics and chemistry, beach sand, tides, waves, marine life and marine fossils, sea floor spreading rates, etc. Prerequisite: GEOL 12 with a minimum grade of C (May be taken concurrently). 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B3; IGETC: 5C.

Degree Applicable, Credit Grading Option: GR

GLOBAL STUDIES

The Global Studies program is committed to providing students with a deep understanding of human cultures, behavior, and society and a transnational understanding of the central issues facing our world today. Students will also develop cross-cultural competencies, learning to balance personal and cultural beliefs with different ways of thinking, understand and work through conflict, and navigate cross-cultural interaction in their communities, work relationships, civic life, and travel experiences. Faculty in the program support students' development of expertise in the kinds of critical thinking, reading, and writing demanded by different disciplines as well as facility with interdisciplinary thinking.

Programs of Study

Degrees:

- AA-T - Global Studies

Career Opportunities

Students who take courses in the program will enjoy a broad, interdisciplinary education that will prepare them to work in diverse settings in diverse types of places, whether close to home, in major urban centers, or in other countries. Global Studies majors, with further study, go into a variety of fields, including politics, government, law, international business, academics, advocacy, journalism, non-profit work, publishing, the arts, research, and more. Understanding the global dimensions of societal developments and challenges will boost students' critical thinking skills and make them valuable assets to future employers.

AA-T – Global Studies

About the Degree

The Associate in Arts for Transfer in Global Studies provides the student with the skills to navigate today's globalized world, where people of different cultures, nations, and world views are coming into contact more than ever before. The major will help students recognize and respond to this cultural interconnectedness through courses devoted to the study of cultures and societies, economic and political systems, geography, and language. Students will develop the skills of balancing personal and cultural beliefs with different ways of thinking, understanding and working through conflict, and increasing their comfort with cross-cultural interaction in their communities, work relationships, civic life, and travel experiences. Understanding the global dimensions of societal developments and challenges will boost students' critical thinking skills and make them valuable assets to future employers. Students completing the Associate in Arts in Transfer in Global Studies degree receive a guarantee of admission with junior status into the California State University System. CSU is required to grant priority admission for a student with this associate degree "to a CSU campus and to a program or major that is similar to their community college major or area of emphasis, as determined by the CSU campus to which the student is

admitted."

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education - Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Program Outcomes

- Upon completion of an AA-T in Global Studies, students will be able to assess the benefits and costs of globalization to various classes, regions, nations, and ethnic groups across the globe.
- Upon completion of an AA-T in Global Studies, students will be able to use social scientific and humanist modes of analysis to relate and differentiate between cultures.
- Upon completion of an AA-T in Global Studies, students will be able to apply cross-cultural, transnational, and global awareness to analysis of conflicts and challenges involving race, gender, human rights, cultural differences, and economic development.

Required Core: (6 Units)

GS 1 (Introduction to Global Studies) or	
SOC 5 (Introduction to Global Studies).....	3
GS 2 (Global Issues)	3

List A: Select Five Courses from at least Four of the Following Areas (15-17 Units)

Area 1: Culture and Society

ANTR 3 (Cultural Anthropology)	3
--------------------------------------	---

Area 2: Geography

GEOG 1 (Introduction to Physical Geography).....	3
GEOG 2 (Cultural Geography).....	3
GEOG 5 (World Regional Geography)	3

Area 3: Economics

ECON 2 (Principles of Macroeconomics)	3
---	---

Area 4: Politics

POLI 20 (Comparative Government).....	3
POLI 30 (International Relations).....	3

Area 5: Humanities

ENG 41 (World Literature: 17th Century to the Present)	3
FREN 2A (Intermediate French I)	4

FREN 2B (Intermediate French II) 4
 SPAN 2A (Intermediate Spanish I) 4
 SPAN 2B (Intermediate Spanish II) 4

Total Units for the Major 21-23

Additional General Education and Elective Units 37-39

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Global Studies Courses (GS)

GS 1 INTRODUCTION TO GLOBAL STUDIES 3 UNITS

This course looks at the economic and political forces that have led to rapid changes in global interaction and culture over the past century, with special emphasis on the last twenty years. It explores the issues of nationalism, global citizenry, state violence, terrorism, the global economy, migration, the threatened environment, technology, and the role of multinational media industries on culture. Students who have completed, or are enrolled in, SOC 5 may not receive credit. Strongly Recommended: SOC 1 with a minimum grade of C, ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D7; IGETC: 4: C-ID# GLST 101.

Degree Applicable, Credit Grading Option: GR

GS 2 GLOBAL ISSUES 3 UNITS

This course introduces students to the origins, current status, and future trends of major transnational issues confronting the global community. Topics can include population trends, economic development and inequality, basic human needs (for food, water health care), human rights, international conflict and security concerns, and environmental problems. The course also focuses on global governance, including the study of collective global responsibilities. Strongly Recommended: ENG 104 with a minimum grade of P. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D, IGETC: 4; C-ID# GLST 102.

Degree Applicable, Credit Grading Option: GR

GRAPHIC DESIGN & DIGITAL MEDIA

The Graphic Design & Digital Media program teaches students to apply graphic design and digital media principles to create effective communication pieces through the use of color, type, and imagery.

Students learn the principles of design and composition, typography, digital image manipulation, print and web page layout, and an array of technical skills using Adobe's Creative Suite—Illustrator, Photoshop, InDesign, and Acrobat. In the web program, students will also learn to use Dreamweaver to work with HTML and CSS.

Students will not only work with the latest digital tools for creating captivating images and graphics, but will also learn how to effectively use the concepts and principles of design using colors, typography, and composition in developing their work.

In both the AA and certificate program, students learn production techniques and produce client-based work for print, web and multimedia. Upon completion of the program, students will have prepared a professional-level portfolio and be ready to go out into the workforce. Degree graduates often transfer to a four-year college.

Please visit our website for more information About the Department: <http://laspositascollege.edu/gddm/>

Programs of Study

Degrees:

- AA – Graphic Design

Certificates of Achievement:

- Digital Illustration
- Graphic Design
- Print Design
- Web & Interaction Design

Career Opportunities

Students who graduate from the Graphic Design & Digital Media program can look forward to, with future experience or study, working as art directors, graphic designers, web designers, user interface designers, layout artists, and graphic artists.

AA – Graphic Design

About the Degree

The Associate of Arts of Graphic Design is designed to prepare students for work in the graphic design profession. The course work will prepare students to undertake a position in an advertising agency, creative services team, design studio, in-house design team, print

shop, or web development firm.

Career Opportunities

Graphic Artist; Production Artist; Graphic Designer; Visual Designer; Senior Designer; Web Designer; Freelance Designer; Art Director; Creative Director; Creative Services Manager; User Interface Designer; User Experience Designer.

Program Outcomes

- Upon completion of the AA in Graphic Design, students will be able to apply principles of design to effectively conceptualize, create and deliver design solutions for the intended audience.
- Upon completion of the AA in Graphic Design, students will be able to critically evaluate quality and effectiveness of design projects, present one's work effectively, and incorporate critique and feedback into design iterations.
- Upon completion of the AA in Graphic Design, students will be able to describe the history and application of design and how color, type, and other design elements are used as effective communications tools.
- Upon completion of the AA in Graphic Design, students will be able to use industry-standard software with technical proficiency and create documents to required specifications for delivery to clients.

Required Core: (30 Units)

GDDM 51 (Color Theory for Design)	3
GDDM 52 (Introduction to Typography)	3
GDDM 53 (Photoshop I)	3
GDDM 54 (Illustrator I)	3
GDDM 56 (Introduction to Graphic Design)	3
GDDM 57 (Branding and Identity Design)	3
GDDM 58 (Photoshop II)	3
GDDM 59 (Illustrator II)	3
GDDM 60 (Creative Portfolio Development & Self Promotion)	3
GDDM 64 (InDesign I)	3

List A: Select One (3 Units)

GDDM 2 (Wordpress and Content Management Systems)	3
GDDM 3 (The History of Modern Design)	3
GDDM 4 (User Interface and User Experience Design)	3
GDDM 40 (Design Shop: The Business of Design)	3
GDDM 55 (Web Design I)	3
GDDM 65 (Elect Prepress/Print Prod)	3
GDDM 67 (InDesign II)	3
GDDM 68 (Creative Portfolio Preparation)	3
GDDM 70 (Photoshop and Lightroom for Photographers)	3

Total Units for the Major 33

Additional General Education and Elective Units 27

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser

or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Digital Illustration

About the Certificate

The Certificate of Achievement in Digital Illustration will prepare students to work on and create traditional illustrations for magazines, newspapers and children's book or storyboards, scenery, characters, and concept art for video games and multimedia.

Career Opportunities

Children's Book Illustrator; Illustrator; Concept Artist; Character Designer; Layout Artist; Graphic Artist; Production Artist; Graphic Designer; Visual Designer; Senior Designer; Web Designer; Freelance Designer; Art Director; Creative Director; Creative Services Manager.

Program Outcomes

- Upon completion of the Certificate of Achievement in Digital Illustration, students will be able apply principles of design to effectively conceptualize, create and deliver design solutions for the intended audience.
- Upon completion of the Certificate of Achievement in Digital Illustration, students will be able to critically evaluate quality and effectiveness of design projects, present one's work effectively, and incorporate critique and feedback into design iterations.
- Upon completion of the Certificate of Achievement in Digital Illustration, students will be able to describe the history and application of design and how color, type, and other design elements are used as effective communications tools.
- Upon completion of the Certificate of Achievement in Digital Illustration, students will be able to use industry-standard software with technical proficiency and create documents to required specifications for delivery to clients.

Required Core: (21 Units)

ARTS 2A (Introduction to Drawing)	3
GDDM 45A (Digital Painting I)	3
GDDM 45B (Digital Painting II)	3
GDDM 51 (Color Theory for Design)	3
GDDM 53 (Photoshop I)	3
GDDM 54 (Illustrator I)	3
GDDM 60 (Creative Portfolio Development & Self Promotion)	3

List A: Select Two (6 Units)

ARTS 7A (Introduction to Watercolor Painting)	3
ARTS 12A (Oil/Acrylic Painting: Beginning I)	3
GDDM 58 (Photoshop II)	3
GDDM 59 (Illustrator II)	3

List B: Select One (3 Units)

ARTS 23 (2-D Design)	3
----------------------	---

GDDM 56 (Introduction to Graphic Design)3
Total Units 30

**Certificate of Achievement
Graphic Design**

About the Certificate

The Certificate of Achievement in Graphic Design is designed to prepare the students for work in the graphic design profession. The degree gives the students the knowledge and experience to enter the graphic design profession as a member of an advertising agency, creative services team, design studio, in-house design team, print shop, or web development firm.

Career Opportunities

Graphic Artist; Production Artist; Graphic Designer; Visual Designer; Senior Designer; Web Designer; Freelance Designer; Art Director; Creative Director; Creative Services Manager; User Interface Designer; User Experience Designer.

Program Outcomes

- Upon completion of the Certificate of Achievement in Graphic Design, students will be able apply principles of design to effectively conceptualize, create and deliver design solutions for the intended audience.
- Upon completion of the Certificate of Achievement in Graphic Design, students will be able to critically evaluate quality and effectiveness of design projects, present one’s work effectively, and incorporate critique and feedback into design iterations.
- Upon completion of the Certificate of Achievement in Graphic Design, students will be able to describe the history and application of design and how color, type, and other design elements are used as effective communications tools.
- Upon completion of the Certificate of Achievement in Graphic Design, students will be able to use industry-standard software with technical proficiency and create documents to required specifications for delivery to clients.

Required Core: (30 Units)

GDDM 51 (Color Theory for Design)3
 GDDM 52 (Introduction to Typography)3
 GDDM 53 (Photoshop I)3
 GDDM 54 (Illustrator I)3
 GDDM 56 (Introduction to Graphic Design)3
 GDDM 57 (Branding and Identity Design)3
 GDDM 58 (Photoshop II)3
 GDDM 59 (Illustrator II)3
 GDDM 60 (Creative Portfolio Development & Self Promotion)3
 GDDM 64 (InDesign I)3

List A: Select One (3 Units)

GDDM 2 (Wordpress and Content Management Systems)3
 GDDM 3 (The History of Modern Design)3
 GDDM 4 (User Interface and User Experience Design)3

GDDM 40 (Design Shop: The Business of Design)3
 GDDM 65 (Elect Prepress/Print Prod)3
 GDDM 67 (InDesign II)3
 GDDM 68 (Creative Portfolio Preparation)3
 GDDM 70 (Photoshop and Lightroom for Photographers)3
Total Units 33

**Certificate of Achievement
Print Design**

About the Certificate

The Certificate of Achievement in Print Design is designed to prepare the students for work in the graphic design profession with an emphasis on print and prepress experience. The certificate gives students the knowledge and experience to enter the graphic design profession as a member of an advertising agency, creative services team, design studio, in-house design team, prepress shop, or print shop.

Career Opportunities

Prepress Technician; Press operator; Print Designer; Graphic Artist; Production Artist; Graphic Designer; Visual Designer; Senior Designer; Web Designer; Freelance Designer; Art Director; Creative Director; Creative Services Manager.

Program Outcomes

- Upon completion of the Certificate of Achievement in Print Design, students will be able apply principles of design to effectively conceptualize, create and deliver design solutions for the intended audience.
- Upon completion of the Certificate of Achievement in Print Design, students will be able to critically evaluate quality and effectiveness of design projects, present one’s work effectively, and incorporate critique and feedback into design iterations.
- Upon completion of the Certificate of Achievement in Print Design, students will be able to describe the history and application of design and how color, type, and other design elements are used as effective communications tools.
- Upon completion of the Certificate of Achievement in Print Design, students will be able to use industry-standard software with technical proficiency and create documents to required specifications for delivery to clients.

Required Core: (27 Units)

GDDM 51 (Color Theory for Design)3
 GDDM 52 (Introduction to Typography)3
 GDDM 53 (Photoshop I)3
 GDDM 54 (Illustrator I)3
 GDDM 56 (Introduction to Graphic Design)3
 GDDM 59 (Illustrator II)3
 GDDM 60 (Creative Portfolio Development & Self Promotion)3
 GDDM 64 (InDesign I)3
 GDDM 65 (Elect Prepress/Print Prod)3

List A: Select Two (6 Units)

GDDM 3 (The History of Modern Design) 3
 GDDM 40 (Design Shop: The Business of Design) 3
 GDDM 57 (Branding and Identity Design) 3
 GDDM 58 (Photoshop II) 3
 GDDM 67 (InDesign II) 3
 GDDM 68 (Creative Portfolio Preparation) 3

Total Units 33

**Certificate of Achievement
Web & Interaction Design**

About the Certificate

The Certificate of Achievement in Web & Interaction Design is designed to prepare students for work in the design profession with an emphasis on developing interactive elements for web and mobile devices. The certificate prepares students to work for variety of clients working in diverse industries to design, create and maintain websites and design web and mobile applications.

Career Opportunities

User Interface Designer, User Experience Designer; Graphic Artist; Production Artist; Graphic Designer; Visual Designer; Senior Designer; Web Designer; Freelance Designer; Art Director; Creative Director; Creative Services Manager.

Program Outcomes

- Upon completion of the Certificate of Achievement in Web & Interaction Design, students will be able apply principles of design to effectively conceptualize, create and deliver design solutions for the intended audience.
- Upon completion of the Certificate of Achievement in Web & Interaction Design, students will be able to critically evaluate quality and effectiveness of design projects, present one’s work effectively, and incorporate critique and feedback into design iterations.
- Upon completion of the Certificate of Achievement in Web & Interaction Design, students will be able to describe the history and application of design and how color, type, and other design elements are used as effective communications tools.
- Upon completion of the Certificate of Achievement in Web & Interaction Design, students will be able to use industry-standard software with technical proficiency and create documents to required specifications for delivery to clients.

Required Core: (24 Units)

GDDM 2 (Wordpress and Content Management Systems) 3
 GDDM 4 (User Interface and User Experience Design) 3
 GDDM 51 (Color Theory for Design) 3
 GDDM 53 (Photoshop I) 3
 GDDM 54 (Illustrator I) 3
 GDDM 55 (Web Design I) 3
 GDDM 56 (Introduction to Graphic Design) 3
 GDDM 60 (Creative Portfolio Development & Self Promotion) 3

List A: Select One (3 Units)

GDDM 3 (The History of Modern Design) 3
 GDDM 40 (Design Shop: The Business of Design) 3
 GDDM 62 (Web Design II) 3
 GDDM 63 (Website/Multimedia Production) 3
 GDDM 67 (InDesign II) 3
 GDDM 68 (Creative Portfolio Preparation) 3

Total Units 27

**Graphic Design & Digital Media
Courses (GDDM)**

**GDDM 2 WORDPRESS AND CONTENT 3 UNITS
MANAGEMENT SYSTEMS**

Students will use WordPress to build dynamic websites that can be updated easily. Students are also introduced to PHP & MySQL, theme customization, and other CMS frameworks. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**GDDM 3 THE HISTORY OF MODERN 3 UNITS
DESIGN**

This introductory survey course focuses on the history, perception and development of design as an art form during the Twentieth Century. The students will develop an understanding of the evolution and role of the Modern Movement in society. The students will also learn about the evaluation criteria of two-dimensional and three dimensional design objects while examining examples of architecture, industrial design, graphic design and interior design. The students will be introduced to outstanding Twentieth Century design figures and their work. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

Degree Applicable, Credit Grading Option: OP

**GDDM 4 USER INTERFACE AND USER 3 UNITS
EXPERIENCE DESIGN**

In this course students are introduced to the fields of User Experience Design and Interface Design. Key topics covered in this course are interaction design, mobile and desktop interface design, information architecture, user research, as well as UX planning documents such as wireframes and personas. Students learn many of the principles, processes, and techniques used to develop effective user interfaces. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**GDDM 29 INDEPENDENT STUDY, 0.5-2 UNITS
GRAPHIC DESIGN & DIGITAL MEDIA**

For course information, see “Independent Studies”. 27-108 hours laboratory.

**GDDM 40 DESIGN SHOP: THE BUSINESS 3 UNITS
OF DESIGN**

The Design Shop business of the Visual Communications program creates work for clients on the Las Positas College campus. This course is designed for students who are ready to produce client-based work in print and/or for the web prior to seeking employment

and/or applying for transfer to a 4-year institution. Students work one-on-one or in a team with the client while refining leadership skills and the full range of visual, oral and written techniques needed to produce industry standard client-based work. Students develop creative print and/or web solutions that meet the full scope of the client's needs and that are of a quality that demonstrates the individual or team's work at industry-standard level. Strongly Recommended: GDDM 52 with a minimum grade of C, GDDM 53 with a minimum grade of C, GDDM 54 with a minimum grade of C, GDDM 55 with a minimum grade of C, GDDM 56 with a minimum grade of C, GDDM 57 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 45A DIGITAL PAINTING I 3 UNITS

Students will be introduced to fundamental techniques of digital painting as well as hardware and software considerations. Students will create paintings from observation as well as from imagination. Course will focus on translating traditional painting principals into the digital realm. Strongly Recommended: GDDM 53 with a minimum grade of C, ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 45B DIGITAL PAINTING II 3 UNITS

Students will build upon the fundamental techniques of digital painting. Students will create paintings from references as well as from imagination, paying close attention to lighting and color. Course will focus on development of style for commercial illustration. Prerequisite: ARTS 2A with a minimum grade of C, GDDM 45A with a minimum grade of C. Strongly Recommended: GDDM 53 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 50 GRAPHIC DESIGN/DIGITAL MEDIA FUNDAMENTALS 3 UNITS

Introduction to Digital Art and Design Media and their use in the vocations of Graphic Design, Web and Device Design, Information Design, and Digital Art and Photography. An exploration of the methods of conceptual development of visual content and the language of design to direct the use of these digital tools at basic technical level to bring this content to completion in print or on screen. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC; C-ID# ARTS 250.

Degree Applicable, Credit Grading Option: OP

GDDM 51 COLOR THEORY FOR DESIGN 3 UNITS

A basic-level course highlighting color as an element for communication and expression in all visual fields. Covers key color systems and their relevance to graphic and other visual arts, creative and technical aspects of color available in traditional media and in the Adobe Creative Suite applications including color expression, color theory, color interaction, color psychology, color perception, using color for an ethnically diverse, international audience, color theories, color trends, color reproduction, pre-press and screen view considerations. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC; C-ID# ARTS 270.

Degree Applicable, Credit Grading Option: OP

GDDM 52 INTRODUCTION TO TYPOGRAPHY 3 UNITS

This course examines letterforms and fundamental typographic principles, with emphasis on the vocabulary of typographic form and its relationship to message/purpose in graphic design. Typography is the backbone of graphic design, and the ability to design effectively with type is essential for a graphic designer. Course includes applied history and theory highlighting type as an element for communication and expression. In-class focus on type legibility, readability, and visual appropriateness. Strongly Recommended: GDDM 54 with a minimum grade of C, GDDM 64 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

GDDM 53 PHOTOSHOP I 3 UNITS

Technical and skill development course using the most recent version of Adobe Photoshop at the introductory to create and manipulate digital images, photographs and illustrations. Emphasis on basic to lower-intermediate level techniques and tools used to create image files suitable for print and screen. Design principles emphasized to create effective output through computer-based composition. Strongly Recommended: GDDM 50 with a minimum grade of C and/or GDDM 51 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 54 ILLUSTRATOR I 3 UNITS

Technical and drawing skill development course using the latest version of Illustrator at the basic- to intermediate- level to render 2- and 3-D digital drawings and illustrations. Emphasis on basic- to intermediate-level techniques and tools used to create image files suitable for print and screen. Design principles emphasized to create effective output through computer-based composition. Strongly Recommended: GDDM 50 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 55 WEB DESIGN I 3 UNITS

This introductory web design course takes a visual communications approach to the creation of web sites, and the fundamental techniques required to format text, illustrations, tables, and images for the web. Emphasis is placed on appropriate design for the web - beginning with a graphic user interface balanced with HTML5 code and CSS3 hand-coding that is functional, logical, and attractive, and bringing the concept to life using Dreamweaver. The course also includes detailed instructions on how to use Dreamweaver to create web content, as well as an introduction to Content Management Systems such as Wordpress, Joomla! and Drupal. Strongly Recommended: GDDM 50 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 56 INTRODUCTION TO GRAPHIC DESIGN 3 UNITS

Design and skills development course exploring the creative

processes, methods, strategies and tools used in developing concepts and final designs in any visual field including the basic elements of design: line, texture, value, shape, color, light, and spatial concepts. Emphasis is placed on experience applying design principles and conventions to create 2-dimensional work. Use of computers as digital design tool along with basic manual techniques relating to effective preparation, presentation, craftsmanship and professionalism in presentation. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 57 BRANDING AND IDENTITY DESIGN 3 UNITS

Students in this course will learn the process of brand development and implementation. From research and analysis through launch and governance, the course covers all aspects of the process and the best practices that build better brands. Prerequisite: GDDM 56 with a minimum grade of C and GDDM 53 with a minimum grade of C or GDDM 54 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 58 PHOTOSHOP II 3 UNITS

Technical and design skill development course using Photoshop to create and manipulate images, illustrations, text and animations. Emphasis on intermediate- through advanced-level techniques and tools used to create photo-realistic composites, special effects, custom brushes, and Photoshop rendered imagery for print and screen. Prerequisite: GDDM 53 with a minimum grade of C. Strongly Recommended: GDDM 50. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 59 ILLUSTRATOR II 3 UNITS

Students in this course will use advanced features in Adobe Illustrator to create a number of illustrations with an emphasis on visual storytelling and development of personal style. Students will learn how to incorporate raster images, apply filters, explore the color guide, and utilize the perspective tool for developing stylistic effects. Prerequisite: GDDM 54 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 60 CREATIVE PORTFOLIO DEVELOPMENT & SELF PROMOTION 3 UNITS

Student will develop strategies to promote oneself and one's work. Create and refine a design portfolio and resume to impress potential clients and employers. Practice effective techniques for oral and visual presentations, interviews, and client discussions. Strongly Recommended: GDDM 53 with a minimum grade of C, GDDM 54 with a minimum grade of C, GDDM 55 with a minimum grade of C, GDDM 64 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 62 WEB DESIGN II 3 UNITS

Develop technical and design skill needed to for the creation of web sites including user interface considerations for desktop and mobile

devices using Cascading Style Sheets. Emphasis placed on functional, logical, attractive, accessible and appropriate website design for the client and end-user. Topics include techniques and tools required to format text, create animations and other content for the web. Prerequisite: GDDM 55 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 63 WEBSITE/MUTIMEDIA PRODUCTION 3 UNITS

Culminating class in study of technical and creative design techniques necessary to build industry-standard website and interactive multimedia products. Students will learn how to create and deploy interactive and motion design content to mobile, tablet, and desktop screens. Prerequisite: GDDM 55 with a minimum grade of C and/or GDDM 62 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 64 INDESIGN I 3 UNITS

This introductory level course in page layout and design uses Adobe InDesign software. Students assemble a variety of pieces such as booklets, brochures, magazines, newspapers, newsletters, and other communication materials. Emphasis is on learning techniques used by graphics professionals to create full-color pieces integrating text, photos, and illustrations. Strongly Recommended: GDDM 50 with a minimum grade of C, GDDM 52 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 65 ELECT PREPRESS/PRINT PROD3 UNITS

Culminating class in study of technical and creative design techniques necessary to produce accurate prepress files used to produce finished printed materials. Upon completion, students will show mastery of the creative process and technical skills necessary to produce individual- and team-based single- and multi-page print work to client and industry specifications. This course provides students with professional prepress and print work experience within Las Positas College and the surrounding community including participation in client briefing, Q & A, presentation, feedback and critique sessions. Strongly Recommended: GDDM 64 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 67 INDESIGN II 3 UNITS

Students will learn to use InDesign to create press-ready layouts using industry standard techniques and best practices. Students create materials suitable for print-on-demand and traditional publishing, e-books, and digital publishing. Students will also learn to create interactive PDFs and fixed-layout EPUBs (PDFs, fixed-layout EPUBs) with slideshows, buttons, and videos. Prerequisite: GDDM 64 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 68 CREATIVE PORTFOLIO PREPARATION 3 UNITS

Students in this class will revise and develop their existing body of work to be portfolio quality. Students will also create new works to fill gaps in their portfolio and to highlight an area of focus. The course will focus on skill-building, sharpening one's design sense, creative self-expression, and in-depth exploration of software and techniques. Prerequisite: GDDM 53 with a minimum grade of C or GDDM 54 with a minimum grade of C or GDDM 64 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 70 PHOTOSHOP AND LIGHTROOM FOR PHOTOGRAPHERS 3 UNITS

Learn to use Lightroom and Photoshop in a workflow designed for digital photographers. Learn Best practices for digital workflows, database management, non-destructive parametric editing, color management, and output to print, web, slideshows, and photo book. Students who have completed, or are enrolled in, PHTO 70 may not receive credit. Prerequisite: PHTO 56 with a minimum grade of C (may be taken concurrently). 27 hours lecture, 81 hours laboratory. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HEALTH

The Health program offers courses in personal health and public health. Personal health courses, such as HLTH 1 and HLTH 3, enhance a student's ability to improve his/her personal health. Public health courses, such as HLTH 7 and HLTH 11, empower students to improve the health of communities.

Programs of Study

Degrees:

- AS-T - Public Health Science

AS-T – Public Health Science

About the Degree

The Associate of Science in Public Health Science for Transfer Degree is designed for prospective California State University (CSU) who are preparing for careers in the field of Public Health. Completion of the AS-T degree in Public Health Science, opens doors to entry-level careers in a wide variety of health-related agencies, medical centers, long-term care facilities, private and public health organizations, and local, state, and federal health departments. After completion of the AS-T in Public Health Science, transfer, and further education, additional career paths are possible including health educator, health care manager, nurse, physical therapist, community college health instructor, physician, public health advisor, health informatics, and medical scientist. Whether students choose selective employment or transfer and further education, they have the opportunity to become the new generation of health professionals prepared to face the emerging challenges to human health.

Completion of the AS-T degree in Public Health Science provides

a streamlined path for transfer to a California State University (CSU) campus with a public health science related major such as: Health Science, Health Science with Health Education option, Health Science with Public Health option, Health Science with Community Health Option, Health Science with Health Promotion & Disease Prevention, Health Education, Public Health, Public Health Promotion, Kinesiology with Health Education, Kinesiology with Health Science option, Kinesiology with Health and Wellness Promotion, Kinesiology with Health Promotion and Disease Prevention, Collaborative Health, and Human Services with Community Health option. Students should consult with a counselor to determine whether or not this degree is the best option for their transfer goals. General education requirements should be selected carefully based on the intended transfer institution.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education – Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Career Opportunities

Completion of the AS-T degree in Public Health Science, opens doors to entry-level careers in a wide variety of health-related agencies, medical centers, long-term care facilities, private and public health organizations, and local, state, and federal health departments. After completion of the AS-T in Public Health Science, transfer, and further education, additional career paths are possible including health educator, health care manager, nurse, physical therapist, community college health instructor, physician, public health advisor, health informatics, and medical scientist. Whether students choose selective employment or transfer and further education, they have the opportunity to become the new generation of health professionals prepared to face the emerging challenges to human health.

Program Outcomes

- Upon successful completion of the AS-T in Public Health Science, students should be able to describe factors that contribute to health disparities and leading causes of morbidity and mortality, including factors related to public policy, socioeconomic, and the environment.
- Upon successful completion of the AS-T in Public Health Science, students should be able to develop strategies for initiating and/or maintaining activities that promote health through individual behavior, civic/community engagement, and/or environmental stewardship.
- Upon successful completion of the AS-T in Public Health

Science, students should be able to critically evaluate popular and scientific literature and other media for its significance and impact on individual and public health.

Required Core: (31-32 Units)

BIO 7A (Human Anatomy)	5
BIO 7B (Human Physiology)	5
BIO 30 (Introduction to College Biology).....	4
CHEM 31 (Intro to College Chemistry) or CHEM 1A (General College Chemistry I).....	4-5
HLTH 1 (Introduction to Personal Health)	3
HLTH 7 (Introduction to Public Health)	3
MATH 40 (Statistics and Probability)	4
PSYC 1 (General Psychology).....	3

List A: Select One (3 Units)

ECON 1 (Principles of Microeconomics).....	3
ECON 2 (Principles of Macroeconomics)	3
HLTH 3 (Women's Health)	3
HLTH 11 (Health and Social Justice)	3
NUTR 1 (Nutrition)	3
PSYC 10 (Psychology of Human Sexuality)	3
PSYC 12 (Life-Span Psychology).....	3
SOC 1 (Principles of Sociology)	3

Total Units for the Major 34-35

Additional General Education and Elective Units 25-26

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Health Courses (HLTH)

HLTH 1 INTRODUCTION TO PERSONAL HEALTH 3 UNITS

An exploration of major health issues and behaviors in the various dimensions of health (physical, emotional, intellectual/mental, social, spiritual, and environmental). Emphasis is placed on individual responsibility for personal health and the promotion of informed, positive health behaviors. Topics include psychological health, mental health, stress management, nutrition, exercise, weight management, chronic and infectious diseases, healthy relationships, sexual health, drug use and misuse, aging, and the health care system. 54 hours lecture. AA GE. Transfer: CSU, UC*; CSU GE: E; C-ID# PHS 100. *HLTH 1 and 3 combined: maximum UC credit, one course.

Degree Applicable, Credit Grading Option: OP

HLTH 3 WOMEN'S HEALTH 3 UNITS

Physiological, psychological, social, cultural, and political influences on women's health. Emphasis on diversity of women's health

experiences and factors involved with both population level health outcomes and individual decision-making. Focus on empowerment for primary prevention. 54 hours lecture. AA GE. Transfer: CSU, UC*; CSU GE: D, E; IGETC: 4. *HLTH 1 and 3 combined: maximum UC credit, one course.

Degree Applicable, Credit Grading Option: OP

HLTH 7 INTRODUCTION TO PUBLIC HEALTH 3 UNITS

An introduction to the discipline of Public Health including basic concepts and terminologies of public health, as well as the history and accomplishments of public health professionals and agencies. An overview of the functions of various public health professions and institutions, and an in-depth examination of the core public health disciplines will be covered. Topics include epidemiology of infectious and chronic diseases; prevention and control of diseases in the community; analysis of the social determinants of health; health disparities among various populations; strategies for disease reduction; community organizing and health promotion programming; environmental health and safety; global health; and healthcare policy. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D, IGETC: 4; C-ID# PHS 101.

Degree Applicable, Credit Grading Option: OP

HLTH 11 HEALTH AND SOCIAL JUSTICE 3 UNITS

This course provides an introduction to the health inequities specifically within the United States that stem from the unequal distribution of power, wealth, education, and services. Students will explore the social determinants of health including socioeconomic status, poverty, racism, violence, and living conditions. Agency, advocacy, community organizing, and policy development will be included. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. Transfer: CSU, UC; CSU GE: D, IGETC: 4; C-ID# PHS 102.

Degree Applicable, Credit Grading Option: OP

HLTH 29 INDEPENDENT STUDY, HEALTH 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

Credit Courses and Programs

HISTORY

The History major is designed to help students comprehend the forces that have shaped the United States, as well as other nations around the world. The program fulfills the campus mission to foster growth in its students and in the community. The program offers a wide variety of courses, and all of the units are transferable. Students of history are encouraged to develop critical thinking skills and to learn to write clearly. Both skills will enable students to be successful in their chosen career fields. The discipline of history helps to nurture an informed public and is, therefore, of vital importance to a democratic society. While units in this program are transferable to many institutions, students should consult a counselor for transfer information.

Programs of Study

Degrees:

- AA-T – History

AA-T – History

About the Degree

The discipline of history helps to nurture an informed public and is, therefore, of vital importance to a democratic society. The program for the Associates in Arts in History for Transfer exposes students to the great historical arguments on these issues, and prompts students to think for themselves on these important topics. Students progressing toward the AA-T in History will learn the tools of critical thinking. They will be expected to apply their skills to a variety of historical narratives. The transfer degree is especially intended to assist students in transferring into the California State University System. Students completing the AA-T degree receive a guarantee of admission with junior status into the California State University System. CSU is required to grant priority admission for a student with this associate degree “to his or her local [CSU] campus and to a program or major that is similar to his or her community college major or area of emphasis, as determined by the [CSU] campus to which the student is admitted.”

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC)/State University General Education – Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A “P” (Pass) grade

is not an acceptable grade for courses in the major.

Program Outcomes

- Upon successful completion of the AA-T in History, students should be able to demonstrate critical thinking as they identify and use various types of historical sources.
- Upon successful completion of the AA-T in History, the students should be able to demonstrate critical thinking by citing appropriate historical evidence to explain change over time.
- Upon successful completion of the AA-T in History, the students should be able to use primary and/or secondary sources to argue a historical thesis.

Required Core: (6 Units)

HIST 7 (US History Through Reconstruction).....	3
HIST 8 (US History Post-Reconstruction).....	3

List A: (6 Units)

HIST 1 (Western Civilization to 1600).....	3
HIST 2 (Western Civilization since 1600).....	3

List B: Select One Course from Each Area (6 Units)

Area 1

HIST 25 (American Indian History).....	3
HIST 32 (U.S. Women’s History).....	3

Area 2

HIST 14 (History and American Cultures of California).....	3
HIST 28 (History of the American West).....	3

Total Units for the Major 18

Additional General Education and Elective Units 42

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

History Courses (HIST)

HIST 1	WESTERN CIVILIZATION TO 1600	3 UNITS
---------------	-------------------------------------	----------------

This course traces the origins and development of Western civilization from its beginnings in the Ancient Near East, the Fertile Crescent, and the Middle East, through its expansion into Greece, Rome, and the rest of Europe. Topics include the rise and expansion of Christianity and Islam, the Middle Ages, the Renaissance, and the Protestant Reformation. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2, D6; IGETC: 3B, 4F; C-ID# HIST 170.

HORTICULTURE

The horticulture curriculum is designed to meet the demand for trained personnel in a broad range of horticultural fields. The Horticulture program offers an Associate of Science degree and Certificates of Achievement in several fields: ornamental horticulture, landscape maintenance and construction, and landscape design. Successful completion of any of these Certificates of Achievement in Horticulture provides students with skills proficiency for entry-level jobs. The Associate of Science (AS) Degree is recommended for students who wish to transfer to 4-year institutions. Students with the AS degree will also have demonstrated a broader educational basis and writing ability that can give them an advantage for promotional opportunities in the future.

Programs of Study

Degrees:

- AS – Horticulture

Certificates of Achievement:

- Landscape Design
- Landscape Maintenance and Construction
- Nursery, Greenhouse, and Grower Operations
- Ornamental Horticulture

Career Opportunities

Students might work in residential and commercial landscape installation and maintenance; urban tree service; forestry; park, grounds, and golf course maintenance; landscape installation and maintenance & nursery management and operations; floristry; plant pest control and horticulture consulting; and residential landscape design. The Las Positas College website links you to resources to learn more about opportunities in the field of horticulture: <http://www.laspositascollege.edu/HORT/>

AS – Horticulture

About the Degree

The Associate of Science in Horticulture is designed to prepare students to have a broader education basis and writing ability that can give them an advantage for promotional opportunities in the field of Horticulture.

Career Opportunities

Career opportunities for students who complete this program include technical, supervisory and management positions in the fields of: retail, wholesale, and grower nursery management; landscape and irrigation maintenance, installation, and design; and landscape management of gardens, parks, golf courses, and sports fields.

Program Outcomes

- Upon completion of the AS in Horticulture, students will be able

to demonstrate an understanding of the principles of ornamental horticulture, landscape maintenance and construction, nursery, greenhouse, and grower operations, and landscape design sufficient to seek employment in a technical or supervisory horticultural position.

- Upon completion of the AS in Horticulture, students will be able to accurately identify a set of plant material; use that plant material in a landscape design; and prepare a maintenance schedule for the chosen plant materials.
- Upon completion of the AS in Horticulture, students will be able to select plant materials for a given landscape based on water requirements, soil type, pest and disease resistance, growth habits, and design requirements.

Required Core: (25 Units)

HORT 50 (Introduction to Horticulture)	3
HORT 51 (Fall Plant Material Identification)	3
HORT 52 (Spring Plant Material Identification)	3
HORT 53 (Landscape and Vineyard Pest and Disease Management)	3
HORT 54 (Landscape and Vineyard Soils, Fertilizers, and Irrigation)	3
HORT 56 (Arboriculture/Urban Forestry)	3
HORT 57 (Landscape and Turfgrass Mgmt)	2
HORT 59 (Landscape Design)	2
HORT 60 (Landscape Irrigation Systems)	3

List A: Select Three (6-9 Units)

HORT 55 (Greenhouse, Nursery, and Garden Center Management)	3
HORT 58 (Landscape Construction)	3
HORT 62 (California Native and Dry Landscapes)	2
HORT 63 (Sustainable Landscape)	2
HORT 67 (Interior Landscapes)	2
HORT 71 (Fundamentals of Hydroponics and Aquaponics)	3
HORT 73 (Computer Aided Landscape Design)	3

Program-Based GE: (3 Units)

BIO 40 (Humans and the Environment)	3
---	---

Total Units for the Major 31-34

Additional General Education and Elective Units 23-26

Total Units 60

See the Las Positas College General Education Pattern for Associate of Science Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Landscape Design

About the Certificate

The Certificate of Achievement in Landscape Design is designed to prepare students for top level work in landscape and irrigation design, installation and management.

Career Opportunities

Career opportunities for students who complete this program include: irrigation designer or consultant, landscape designer or consultant, and management of large scale landscapes.

Program Outcomes

- Upon completion of the Certificate of Achievement in Landscape Design, students will be able to prepare landscape plans and detailed drawings.
- Upon completion of the Certificate of Achievement in Landscape Design, students will be able to demonstrate an understanding of the concepts of sustainable landscaping, typical landscape construction techniques and irrigation systems.

Required Core: (35 Units)

HORT 50 (Introduction to Horticulture)	3
HORT 51 (Fall Plant Material Identification)	3
HORT 52 (Spring Plant Material Identification)	3
HORT 53 (Landscape and Vineyard Pest and Disease Management)	3
HORT 54 (Landscape and Vineyard Soils, Fertilizers, and Irrigation)	3
HORT 56 (Arboriculture/Urban Forestry)	3
HORT 57 (Landscape and Turfgrass Mgmt)	2
HORT 58 (Landscape Construction)	3
HORT 59 (Landscape Design)	2
HORT 60 (Landscape Irrigation Systems)	3
HORT 62 (California Native and Dry Landscapes)	2
HORT 63 (Sustainable Landscape)	2
HORT 73 (Computer Aided Landscape Design)	3

Total Units 35

**Certificate of Achievement
Landscape Maintenance and
Construction**

About the Certificate

The Certificate of Achievement in Landscape Maintenance and Construction is designed to prepare students for technical and supervisory level work in management, maintenance and construction of landscapes and turf.

Career Opportunities

Career opportunities for students who complete this program include technical and supervisory positions in the fields of: landscape maintenance, landscape construction, park maintenance, golf course and sports field management.

Program Outcomes

- Upon completion of the Certificate of Achievement in

Landscape Maintenance and Construction, students will be able to demonstrate an understanding of the maintenance requirements for trees, vines, shrubs, perennials, annuals, and turf.

- Upon completion of the Certificate of Achievement in Landscape Maintenance and Construction, students will be able to read a landscape plan and install landscape features, such as plantings, pavement, structures, and irrigation systems, based on those plans.

Required Core: (28 Units)

HORT 50 (Introduction to Horticulture)	3
HORT 51 (Fall Plant Material Identification)	3
HORT 52 (Spring Plant Material Identification)	3
HORT 53 (Landscape and Vineyard Pest and Disease Management)	3
HORT 54 (Landscape and Vineyard Soils, Fertilizers, and Irrigation)	3
HORT 56 (Arboriculture/Urban Forestry)	3
HORT 57 (Landscape and Turfgrass Mgmt)	2
HORT 58 (Landscape Construction)	3
HORT 60 (Landscape Irrigation Systems)	3
HORT 62 (California Native and Dry Landscapes)	2

Total Units 28

**Certificate of Achievement
Nursery, Greenhouse and Grower
Operations**

About the Certificate

The Certificate of Achievement in Nursery, Greenhouse, and Grower Operations is designed to prepare students for work in retail or wholesale nursery operations, greenhouse operations, interior plantscape installation and maintenance, and ornamental and urban agriculture growing operations.

Career Opportunities

Numerous entry level career opportunities in the field of horticulture include: retail garden sales associate, wholesale and grower nursery worker, landscape maintenance worker, park maintenance worker, and golf course greenskeeper.

Program Outcomes

- Upon completion of the Certificate of Achievement in Nursery, Greenhouse, and Grower Operations, students will be able to demonstrate an understanding of propagation, care, and marketing involved in the production and sale of nursery plants.
- Upon completion of the Certificate of Achievement in Nursery, Greenhouse, and Grower Operations, students will be able to demonstrate an understanding of the principles of growing plants in urban environments, such as greenhouse, interior plantscapes, hydroponic/aquaponic, and other urban agricultural and horticultural environments.

Required Core: (28 Units)

HORT 50 (Introduction to Horticulture).....	3
HORT 51 (Fall Plant Material Identification).....	3
HORT 52 (Spring Plant Material Identification)	3
HORT 53 (Landscape and Vineyard Pest and Disease Management).....	3
HORT 54 (Landscape and Vineyard Soils, Fertilizers, and Irrigation)	3
HORT 55 (Greenhouse, Nursery, and Garden Center Management).....	3
HORT 60 (Landscape Irrigation Systems)	3
HORT 62 (California Native and Dry Landscapes).....	2
HORT 67 (Interior Plantscapes).....	2
HORT 71 (Fundamentals of Hydroponics and Aquaponics)	3

Total Units 28

Certificate of Achievement Ornamental Horticulture

About the Certificate

The Certificate of Achievement in Ornamental Horticulture is designed to prepare students for work in entry level horticultural fields. The course work is designed to prepare students for jobs in retail garden centers and landscape maintenance.

Career Opportunities

Numerous entry level career opportunities in the field of horticulture include: retail garden sales associate, wholesale and grower nursery worker, landscape maintenance worker, park maintenance worker, and golf course greenskeeper.

Program Outcomes

- Upon completion of the Certificate of Achievement in Ornamental Horticulture, students will be able to demonstrate a basic understanding of the field of horticulture and possible career opportunities.
- Upon completion of the Certificate of Achievement in Ornamental Horticulture, students will be able to identify plants and be able to select their proper care and maintenance.
- Upon completion of the Certificate of Achievement in Ornamental Horticulture, students will be able to recognize typical horticultural pests and diseases, and know how to research their treatment.

Required Core: (12 Units)

HORT 50 (Introduction to Horticulture).....	3
HORT 51 (Fall Plant Material Identification).....	3
HORT 52 (Spring Plant Material Identification)	3
HORT 53 (Landscape, Vineyard Pest and Disease Management).....	3

Total Units 12

Horticulture Courses (HORT)

HORT 50 INTRODUCTION TO HORTICULTURE	3 UNITS
---	----------------

Botanical nomenclature, anatomy and physiology, plant growth, and development are presented. Various micro-climates, landscape planning and development, media, fertilizer, and watering methods are discussed. Design and development of a home landscape plan is included. Current research of plant propagation, plant disorders and pest management will be explored. (8 hours of lab to be scheduled on Saturdays which may include one or more field trips). 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HORT 51 FALL PLANT MATERIAL IDENTIFICATION	3 UNITS
---	----------------

Identification of landscape and garden plants will be categorized. Growth habit, climatic adaptation, ornamental value, maintenance and care of trees, shrubs, vines will be studied, with the focus on deciduous trees and fall flowering plants. (8 hours of lab to be scheduled on Saturdays which may include one or more field trips). 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HORT 52 SPRING PLANT MATERIAL IDENTIFICATION	3 UNITS
---	----------------

Identification of landscape and garden plants will be categorized. Growth habit, climatic adaptation, ornamental value, maintenance and care of trees, shrubs, vines will be studied, with the focus on evergreen and spring flowering plants. (8 hours of lab to be scheduled on Saturdays, which may include one or more field trips). 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HORT 53 LANDSCAPE AND VINEYARD PEST AND DISEASE MANAGEMENT	3 UNITS
---	----------------

This course covers concepts of plant pathology, entomology, and weed science which are studied in order to identify symptoms, diagnose problems, and determine methods of controlling plant diseases, insects, and weed pests. Also included is the study of the identification and biology of common vineyard, landscape and other horticultural crop pests and diseases. Materials and instruction is provided for techniques and strategies for sampling, monitoring and effective control measures, pest management strategies for insects, weeds and diseases, including bio-control, sustainable agriculture practices and integrated pest management. In addition to pesticide use, safety and compliance, there is a focus on preparation for the California State Qualified Applicators license. Students that take VWT 35 may not receive credit for HORT 53. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

HORT 54 LANDSCAPE AND VINEYARD SOILS, FERTILIZERS, AND IRRIGATION	3 UNITS
--	----------------

This course is a study of the physical, chemical and biological properties of soil. Areas of study will include: soil classification, derivation, uses, function and management including erosion, moisture retention, structure, cultivation, organic matter and microbiology. There is a focus on vineyard and landscape planting media, soil substitutes, hydroponics, and amendments to improve and promote plant growth which includes plant and vine

nutrition, essential nutrients required for plant growth and healthy development. There will be instruction covering materials used for fertilizers which includes material origins, use, and application; and irrigation systems which will cover materials required for basic irrigation systems used in vineyard and landscape settings. Students that take VWT 12 may not receive credit for HORT 54. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

**HORT 55 GREENHOUSE, NURSERY, AND 3 UNITS
GARDEN CENTER MANAGEMENT**

Explores many horticulture specializations including management and operations of retail and wholesale nurseries, greenhouse growers, specialized growers of trees, shrubs, flowers, hydroponics growers, vegetable growers. Emphasis on plant propagation, propagation structures, greenhouses, nursery and garden center management and operations. Employment opportunities are in the wholesale and retail horticulture industry. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**HORT 56 ARBORICULTURE/ URBAN 3 UNITS
FORESTRY**

Care, maintenance, planting, and pruning of trees, shrubs, and vines are discussed. Specific pruning techniques for ornamental trees, fruit trees, shrubs, roses, and other woody plants are demonstrated. Principles of urban forestry, tree preservation, health, growth characteristics, plant selection, planting, irrigation, fertilization, and damage repair are studied. (8 hours of lab to be scheduled on Saturdays, which may include one or more field trips). 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**HORT 57 LANDSCAPE AND 2 UNITS
TURFGRASS MGMT**

Principles and practices of landscape and turfgrass management as practiced by horticultural professionals, landscape contractors, and grounds keepers will be covered, including preparation, installation, maintenance, renovation, irrigation, fertilization, pruning, and pest control of landscape developments for residential, commercial, public grounds, golf courses, and gardens. 27 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HORT 58 LANDSCAPE CONSTRUCTION 3 UNITS

Design, engineering, construction techniques, and installation methods for landscape site development. Cost estimating, bidding, construction materials, methods, equipment, tools, and safety for landscape plan implementation. Contracts, specifications, and legal aspects regarding landscape installation and site development. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HORT 59 LANDSCAPE DESIGN 2 UNITS

Landscape site planning and landscape architectural design for residential properties, home gardens, and small-scale use areas. Procedures and methods required in the planning and design process;

site inventory, site analysis, user group analysis, preparation of site study diagrams, preliminary designs, and master site plans. Theory and principles of design, site layout, landscape elements, and material selection. Sketching, drafting, delineation, reproduction, and coloring techniques for landscape architectural plans. Selection and use of drawing tools, materials, and equipment. 27 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**HORT 60 LANDSCAPE IRRIGATION 3 UNITS
SYSTEMS**

Planning, design, engineering, construction, and maintenance of sprinkler and drip irrigation systems for landscape, garden, and turfgrass use. Principles of hydraulics, layout, and equipment application. Irrigation system equipment, components, methods of installation and repair. Principles and techniques of water conservation and plant-water-soil relations. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**HORT 62 CALIFORNIA NATIVE AND 2 UNITS
DRY LANDSCAPES**

This course examines the native plant communities of California and identifies native plants suitable for the design and installation of dry landscapes in Northern California. The focus of this course is the planning, design, installation, care, and maintenance of drought tolerant landscapes, with the goal of creating more sustainable landscapes. 27 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HORT 63 SUSTAINABLE LANDSCAPE 2 UNITS

This course examines the impact of constructed landscapes on the postindustrial society. Natural ecosystems are studied in order to learn concepts essential to create and maintain sustainable, environmentally sound landscapes. The focus of this course is on planning, designing, installing, and maintaining of landscapes, through the use of ecologically sound construction techniques, materials, and systems. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HORT 67 INTERIOR PLANTSCAPES 2 UNITS

Identification, use, propagation, growth, environmental adaptation, ornamental value, and care of container, indoor, and house plants. 27 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**HORT 71 FUNDAMENTALS OF 3 UNITS
HYDROPONICS AND AQUAPONICS**

The ecological design and operation of urban agriculture that covers the fundamental principles of raising fish and vegetable crops in soil-less media. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

**HORT 73 COMPUTER AIDED 3 UNITS
LANDSCAPE DESIGN**

Introduction to basic techniques in computer aided design for

Landscapes, with emphasis on user terminology and hands-on learning. How to set up drawings, dimensioning systems appropriate to architecture. Landscape plans, details, drawings and other techniques using the computer. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HUMANITIES

Humanities is an interdisciplinary academic field that encourages students to critically examine a diverse, interconnected, and changing world and their own lives within it by exploring human creativity past and present. Courses in Humanities offer students a creative, historical, and philosophical immersion in a number of different but overlapping fields of study: painting, sculpture, architecture, music, theater, literature, film, dance, etc. In addition to practicing critical skills for analyzing various forms of art, Humanities students are encouraged to develop an appreciation for the value of arts and ideas in their own lives and in society as a whole.

The Humanities Program at Las Positas College is in the Arts and Humanities Division and forms part of the Humanities Cluster along with Philosophy and Religious Studies. Humanities courses prepare those interested in majoring in Liberal Arts, Interdisciplinary Studies, Cultural Studies, English, Art History, Film, Classical Studies, Philosophy, or Humanities for successful transfer to four-year institutions.

Programs of Study

Degrees:

- AA – Humanities

Certificates of Achievement:

- Humanities

AA – Humanities

About the Degree

The Humanities AA degree is a program designed to offer students a broad introduction to the history and analysis of art forms, styles, and movements, as well as introducing them to important themes and aspects of human creativity seen in material culture, belief systems, and major ideas throughout time. Humanities courses prepare those interested majoring in fields, such as Liberal Arts, Interdisciplinary Studies, Cultural Studies, English, Art History, Film, Classical Studies, Philosophy, or Humanities

Program Outcomes

- Upon completion of the AA in Humanities, students will be able to demonstrate informed responses to and critical evaluations of works of art.
- Upon completion of the AA in Humanities, students will be able to interpret and analyze aspects of culture and art by applying theoretical methods used in the humanities.

Required Core: (9 units)

HUMN 3 (Introduction to Humanities).....	3
HUMN 28 (World Mythology)	3
PHIL 1 (God, Nature, Human Nature)	3

List A: Select One (3 Units)

ENG 32 (U.S. Women's Literature).....	3
ENG 41 (Modern World Literature)	3
ENG 42 (Literature of the African Diaspora in America)	3
HIST 32 (U.S. Women's History)	3
HUMN 6 (Nature and Culture)	3
HUMN 10 (American Arts and Ideas).....	3
PHIL 2 (Ethics)	3
RELS 1 (Religions of the World).....	3
WMST 2 (Global Perspective of Women).....	3

List B: Select One (3-4 Units)

ARHS 7 (Modern Art History)	3
HUMN 4 (Global Cinemas)	4
HUMN 7 (Contemporary Humanities).....	3
HUMN 44 (Narrative Film and Film Music)	3
MUS 3 (World Music).....	3
PHTO 67 (History of Photography).....	3
THEA 4 (American Cultures in Theater).....	3
THEA 10 (Introduction to Dramatic Arts).....	3

List C: Select One (3 Units)

ARHS 2 (Art of the Ancient Americas)	3
ARHS 5 (Western Art History - Renaissance to Contemporary)	3
HIST 1 (Western Civilization to 1600).....	3
HIST 2 (Western Civilization Since 1600).....	3
HUMN 11 (Culture and the Arts I: Ancient World to the Renaissance)	3
HUMN 12 (Culture and the Arts II: The Modern World).....	3

Total Units for the Major 18-19

Additional General Education and Elective Units 41-42

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Humanities

About the Certificate

The Humanities Certificate of Achievement is designed to offer students a broad introduction to the history and analysis of art forms, styles, and movements, as well as introducing them to important themes and aspects of human creativity seen in material culture, belief systems, and major ideas throughout time. Humanities courses

prepare those interested majoring in fields, such as Liberal Arts, Interdisciplinary Studies, Cultural Studies, English, Art History, Film, Classical Studies, Philosophy, or Humanities.

Program Outcomes

- Upon completion of the Certificate of Achievement in Humanities, students will be able to demonstrate informed responses to and evaluations of works of art.
- Upon completion of the Certificate of Achievement in Humanities, students will be able to interpret and analyze aspects of culture and art by applying theoretical methods used in the humanities.

Required Core: (9 Units)

HUMN 3 (Introduction to Humanities).....	3
HUMN 28 (World Mythology)	3
PHIL 1 (God, Nature, Human Nature)	3

List A: Select One (3 Units)

ENG 32 (U.S. Women's Literature).....	3
ENG 41 (Modern World Literature)	3
HIST 32 (U.S. Women's History)	3
HUMN 6 (Nature and Culture)	3
HUMN 10 (American Arts and Ideas).....	3
PHIL 2 (Ethics)	3
RELS 1 (Religions of the World).....	3
WMST 2 (Global Perspective of Women)	3

List B: Select One (3-4 Units)

ARHS 7 (Modern Art History)	3
HUMN 4 (Global Cinemas)	4
HUMN 7 (Contemporary Humanities)	3
HUMN 44 (Narrative Film and Film Music)	3
MUS 3 (World Music).....	3
PHTO 67 (History of Photography).....	3
THEA 4 (American Cultures in Theater).....	3
THEA 10 (Introduction to Dramatic Arts)	3

List C: Select One (3 Units)

ARHS 2 (Art of the Ancient Americas)	3
ARHS 5 (Western Art History - Renaissance to Contemporary)	3
HIST 1 (Western Civilization to 1600).....	3
HIST 2 (Western Civilization Since 1600).....	3
HUMN 11 (Culture and the Arts I: Ancient World to the Renaissance)	3
HUMN 12 (Culture and the Arts II: The Modern World).....	3

Total Units 18-19

Humanities Courses (HUMN)

HUMN 3 INTRODUCTION TO HUMANITIES 3 UNITS

Introduction to the analysis and appreciation of theater, film, music, poetry, architecture, and the visual arts (e.g. painting and sculpture). 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

HUMN 4 GLOBAL CINEMAS 4 UNITS

Global cinema traditions analyzed through historical, political, cultural, commercial, and artistic perspectives. Screenings and interpretation of representative films from a variety of national and cultural film traditions from around the world, including films from Latin American, U.S., Asian, European, African, and Middle Eastern contexts. 54 hours lecture, 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: C1, C2; IGETC: 3A, 3B.

Degree Applicable, Credit Grading Option: GR

HUMN 6 NATURE AND CULTURE 3 UNITS

An examination of the aesthetic value of the natural environment leading to the development of an individual critical aesthetic of the natural world. Studies in visual art, including painting, photography, sculpture, land art, mixed media, film, literature, and music. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

HUMN 7 CONTEMPORARY HUMANITIES 3 UNITS

Exploration of chosen works of visual, literary, architectural, and musical works of art that reflect the issues and concepts of the twentieth and twenty-first centuries. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

HUMN 10 AMERICAN ARTS AND IDEAS 3 UNITS

Humanities of the United States explored through major works of literature, painting, sculpture, architecture, film, music, philosophy, technology, religion, political and social institutions that reflect the values and meanings of the American cultural experience. Particular attention paid to the experience and contributions of various culture groups (African Americans, Asian-Americans, European-Americans, American Indians, and Latino Americans). 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

HUMN 11 CULTURE AND THE ARTS I: ANCIENT WORLD TO THE RENAISSANCE 3 UNITS

A survey of the artistic and intellectual accomplishments of human cultures from the Ancient to Early Renaissance Eras. Emphasis is on the study of ancient to medieval painting, sculpture, architecture, music, literature, theater, religion, and philosophy from both Western and non-Western cultures. 54 hours lecture. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

HUMN 12 CULTURE AND THE ARTS II: THE MODERN WORLD 3 UNITS

A survey of the artistic and intellectual accomplishments of human cultures from High Renaissance to Contemporary Eras, i.e. the Modern World. Emphasis is on the study of modern painting, sculpture, architecture, music, literature, theater, religion, and philosophy from around the globe. 54 hours lecture. AA/AS GE.

Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

HUMN 28 WORLD MYTHOLOGY 3 UNITS

Introduction to world mythology, including classical mythology, and the mythic themes recurring in literature, the visual arts, and music. Introduction to the major theories used to evaluate mythology. Exploration of myths about creation, destruction, gods, humans, heroes, tricksters, as well as their origins, variation, historical development, and full expression in ancient times and continued presence in the arts. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

HUMN 29 INDEPENDENT STUDY, HUMANITIES 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

HUMN 44 NARRATIVE FILM AND FILM MUSIC 3 UNITS

An examination of narrative cinema and the function of sound and music in cinema. An exploration of the major conventions of narrative films and of the contributions of composers to the art of filmmaking. A study of the impact of film and film music on 20th-21st century culture. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

INDEPENDENT STUDY

0.5 – 2 UNITS

Independent Study courses are open to all students and employ many combinations of media and educational techniques to create individualized, self-pacing education. Check with the Counseling Center, Building 1600, concerning transferability of Independent Study courses to four-year institutions. Independent Study is contracted through an instructor for research, field experience, or skill development. Independent Study is offered under many subject areas contained in the Catalog using the number 29. Transfer: CSU; UC credit may be granted only after review of course outline by specific UC campus after transfer. Independent Study courses have a grading option of "OP" unless otherwise indicated.

Degree Applicable, Credit

INTERIOR DESIGN

The Interior Design program offers a creative approach to learning Interior Design with practical course content, work experience and overall design projects that promote graduates to the working world of being an Interior Designer. The Interior Design program offers classes for students who are changing careers, brushing up on their design skills or wanting to have fun with their own home. Our AS degree offers students the opportunity to attend college to receive their degree while working. Often these students are placed in jobs or continue on to a 4-year college with transferable classes. Interior Design offers a unique, small program feel but a strong learning based foundation at the same time. Students are highly involved with other classmates and work collaboratively throughout the program. Work experience or internships are encouraged.

Programs of Study

Degrees:

- AS – Interior Design

Certificates of Achievement:

- Interior Design

Career Opportunities

Students with either a Certificate or AS degree are qualified to work in entry level commercial and residential design. Students might work for private clients, real-estate firms and builders decorating model homes, or corporations designing offices and stores. They might also work in sales to the trade or to the public. Either degree also allows students to open their own Interior Design business. More information can be found at: <http://www.laspositascollege.edu/INTD/index.php>

AS – Interior Design

About the Degree

The Associate of Science in Interior Design offers students a creative approach to learning Interior Design, and the opportunity to earn their degree while working in the Interior Design field. This solid Interior Design program contains practical course content, work experience, and overall design projects that promote graduates to the working world of being an Interior Designer. Work experience or internships are encouraged.

Career Opportunities

Graduates can expect to work as designers in: architecture offices, commercial design firms, selling furniture or other design products, their own design company, home builders design centers, etc.

Program Outcomes

- Upon completion of the AS in Interior Design, the student will be able to demonstrate the skills and knowledge learned through coursework to meet CSU transfer requirements.

Required Core: (30 Units)

INTD 5 (Principles of Interior Design).....3
 INTD 10 (Introduction to Textiles).....3
 INTD 15 (Drafting for Interior Design)3
 INTD 20 (History of Interiors/Furnishings).....3
 INTD 25 (Materials and Resources)3
 INTD 30 (Fundamentals of Lighting)3
 INTD 35 (Residential Space Planning).....3
 INTD 40 (Computer Aided Design).....3
 INTD 45 (Basic Kitchen and Bathroom Design).....3
 INTD 47 (Professional Practices)3

Program-Based GE: (3 Units)

CMST 1 (Fundamentals of Public Speaking)3

Total Units for the Major 30

Additional General Education and Elective Units..... 27

Total Units 60

See the Las Positas College General Education Pattern for Associate of Science Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

**Certificate of Achievement
Interior Design**

About the Certificate

The Certificate of Achievement in Interior Design offers classes for students who are changing careers, brushing up on their design skills or just wanting to have fun with their own home. The certificate offers a solid Interior Design program with practical course content, work experience and overall design projects that promote graduates to the working world of being an Interior Designer. Work experience or internships are encouraged.

Career Opportunities

Certificate holders are able to obtain jobs as Interior designers in: their own business, a New Home-builder company, an Interior design firm, and a retail position as well as an architectural office.

Program Outcomes

- Upon completion of the Certificate of Achievement in Interior Design, the student will be prepared to work in a professional design company with both business and design education.

Required Core: (24 Units)

INTD 5 (Principles of Interior Design).....3
 INTD 10 (Introduction to Textiles).....3
 INTD 15 (Drafting for Interior Design)3
 INTD 20 (History of Interiors/Furnishings).....3
 INTD 25 (Materials and Resources)3
 INTD 30 (Fundamentals of Lighting)3

INTD 40 (Computer Aided Design).....3
 INTD 47 (Professional Practices).....3

List A: Select Two (6 Units)

BUSN 52 (Business Communications).....3
 INTD 35 (Residential Space Planning).....3
 INTD 45 (Basic Kitchen and Bathroom Design).....3
 MKTG 61 (Professional Selling)3
 WRKX 94 (Occupational Work Experience/Internship)3

Total Units 30

Interior Design Courses (INTD)

INTD 5 PRINCIPLES OF INTERIOR DESIGN 3 UNITS

Elements and principles of design as they apply to interior design. Emphasis on the use of color and texture in the selection of home furnishings. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

INTD 10 INTRODUCTION TO TEXTILES 3 UNITS

The textile industry and its effects on the apparel and home furnishings markets. Fiber identification, yarn and fabric construction, and decoration. Emphasis on consumer information, fabric performance, care and labeling, and legal responsibilities of the industry. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

INTD 15 DRAFTING FOR INTERIOR DESIGN 3 UNITS

Provides a working knowledge of tools and techniques for interior architectural drafting. emphasis on lettering, dimensioning floor plans, elevation and sections. Also, covers procedures for developing finished presentational drawings and boards. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

INTD 20 HISTORY OF INTERIORS/ FURNISHINGS 3 UNITS

A survey of the history of interiors and furnishings from Egyptian period to the present. Emphasis on furniture styles and ornamentation. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

INTD 25 MATERIALS AND RESOURCES 3 UNITS

Survey of residential and commercial interior furnishings with attention to product knowledge of furniture, textiles, ceramics, glass, metals, plastics and composite materials. Skills needed to perform related activities. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

INTD 30 FUNDAMENTALS OF LIGHTING 3 UNITS

Residential and commercial lighting systems as they apply to what constitutes a well-lit interior space. Includes an investigation of

current lighting types and lighting resources. 54 hours lecture.
Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

INTD 35 RESIDENTIAL SPACE PLANNING 3 UNITS

Basic techniques in planning space for interiors. Private and group living spaces, support systems, functional planning of interior space, and color in space planning. 36 hours lecture, 54 hours laboratory.
Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

INTD 40 COMPUTER AIDED DESIGN 3 UNITS

Introduction to basic techniques in computer aided design for interior design, with emphasis on user terminology and hands-on learning. How to set up drawings, dimensioning systems appropriate to architecture. Floor plans, details, drawings and other techniques using the computer. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

INTD 45 BASIC KITCHEN AND BATHROOM DESIGN 3 UNITS

Survey of the field of kitchen and bathroom designs. Includes resources, materials, trends, costs and needs, both functional and aesthetic. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

INTD 47 PROFESSIONAL PRACTICES 3 UNITS

Interior design practices including business and marketing aspects, wholesale resource development, design presentation and career preparation, contractual obligations. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

ITALIAN

The Foreign Language program offers primarily first- and second-year transfer-level courses in American Sign Language, Spanish, French, and Italian. Some courses are scheduled on a rotating basis. The transfer-level courses are designed to prepare students to continue with their language studies in upper-division courses after leaving Las Positas College. In addition, there is an emphasis on learning about the culture of the people who speak the individual languages.

Italian Courses (ITLN)

ITLN 1A BEGINNING ITALIAN 5 UNITS

This introductory level course will enable students to begin speaking, reading and writing elementary level Italian, as well as understanding the spoken language. Students are introduced to concepts of grammar, vocabulary and verb tenses in a variety of auditory, visual and written context. Strongly Recommended: Eligibility for ENG 1A. 90 hours lecture. AA/AS GE. Transfer: CSU, UC; IGETC: 6A.

Degree Applicable, Credit Grading Option: OP

ITLN 1B ELEMENTARY ITALIAN 5 UNITS

This is the second semester of the introductory level course and will enable students to continue learning to speak, read and write elementary level Italian as well as to understand the spoken language. Students are introduced to concepts of grammar, vocabulary and verb tenses in a variety of auditory, visual and written contexts. Prerequisite: ITLN 1A with a minimum grade of C. 90 hours lecture. AA/AS GE. Transfer: CSU, UC; IGETC: 6A.

Degree Applicable, Credit Grading Option: OP

KINESIOLOGY

Kinesiology is an academic area of study concerned with human movement and physical activity. The field of Kinesiology includes a variety of sub-disciplines including exercise physiology, biomechanics, motor control and motor learning, physical education, exercise & sport psychology, and the sociocultural study of movement. Entry-level employment opportunities in the field include: coaching, personal or group training, fitness instruction, fitness specialists, physical therapy assistants, recreation, as well as managerial positions in athletics and recreation centers. The AA-T Kinesiology prepares students for transfer to bachelor's degree programs in Kinesiology; and similar degrees including Exercise Science, Physical Education, Pre-Physical Therapy/Therapeutic Studies, Athletic Training, Coaching and Fitness Management. Advanced degrees in Kinesiology lead to employment opportunities in athletic training, sports management, physical therapy, occupational therapy, teaching physical education, cardiac rehabilitation, coaching, and further study in health/medical fields.

The Kinesiology program also offers students an opportunity to enrich their education with emphasis on physical activity and improved physical well-being.

Athletics

Las Positas College offers an Intercollegiate Athletics program dedicated to assisting each student in achieving the highest possible academic and athletic success. Our faculty and coaches subscribe to the philosophy that athletics plays an integral role in the total educational process and that athletics helps to promote the growth of values in leadership, character, sportsmanship, and teamwork.

Programs of Study

Degrees:

- AA-T – Kinesiology

Certificates of Achievement:

- Athletic Training/Sports Medicine
- Fitness Trainer

AA-T – Kinesiology

About The Degree

The Associate in Arts in Kinesiology for Transfer degree prepares students for transfer to bachelor's degree programs at a CSU in Kinesiology and similar degrees including Exercise Science, Physical Education, Pre-Physical Therapy/Therapeutic Studies, Athletic Training, Coaching and Fitness Management. Advanced degrees in Kinesiology lead to employment opportunities in athletic training, sports management, physical therapy, occupational therapy, teaching physical education, cardiac rehabilitation, coaching, and further study in health/medical fields. Entry-level employment opportunities in the field include: coaching, personal or group training, fitness instruction, fitness specialists, physical therapy assistants, recreation, as well as managerial positions in athletics and recreation centers.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education - Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Career Opportunities

Entry-level employment opportunities in the field include: coaching, personal or group training, fitness instruction, fitness specialists, physical therapy assistants, recreation, as well as managerial positions in athletics and recreation centers. Students may obtain an AA-T in Kinesiology and then transfer for advanced degrees in Kinesiology at four-year institutions. Advanced degrees in Kinesiology lead to employment opportunities in athletic training, sports management, physical therapy, occupational therapy, teaching physical education, cardiac rehabilitation, coaching, and further study in health/medical fields

Program Outcomes

- Upon completion of the AA-T in Kinesiology, the student should be able to disseminate the knowledge of physical activity derived from experiences, scholarly study, and professional practice.
- Upon completion of the AA-T in Kinesiology, the student should be able to identify programs of study within the field of Kinesiology.
- Upon completion of the AA-T in Kinesiology, the student should be able to identify several career pathways associated with the Kinesiology degree.
- Upon completion of the AA-T in Kinesiology, the student should be able to perform a variety of motor activities at a proficient level from at least three of the movement-based categories.

Required Core: (13 Units)

BIO 7A (Human Anatomy)	5
BIO 7B (Human Physiology)	5
KIN 30 (Introduction to Kinesiology)	3

Movement-Based Courses: Select One Course Maximum from Any Three of the Following Areas: (3 Units)

Area 1: Aquatics

KIN AQU (Aqua Aerobics)	1
KIN DV1 (Springboard Diving)	1
KIN SW1 (Swimming 1)	1
KIN SW2 (Swimming 2)	1
KIN SWF1 (Swimming for Fitness 1)	1
KIN SWF2 (Swimming for Fitness 2)	1
KIN WP1 (Water Polo 1)	1
KIN WP2 (Water Polo 2)	1

Area 2: Combatives

KIN ETD1 (Eskrima - Tenio DeCuerdas 1)	1
KIN ETD2 (Eskrima - Tenio DeCuerdas 2)	1
KIN JDR1 (Jujitsu - Danzan Ryu 1)	1
KIN JDR2 (Jujitsu - Danzan Ryu 2)	1
KIN TK2 (Tae Kwon Do 2)	1

Area 3: Dance

KIN DBS (Dance Aerobics/Body Sculpting)	1
KIN HHA (Hip Hop Aerobics)	1
KIN ID (Introduction to Dance)	1
KIN SD (Salsa Dance 1)	1

Area 4: Fitness

KIN AFG (Aerobic Fitness Gym)	1
KIN BC1 (Boot Camp for Flexibly & Core Development)	1
KIN BC2 (Boot Camp for Aerobic Conditioning)	1
KIN BSF1 (Body Sculpting for Fitness)	1
KIN CYCL1 (Cycling Conditioning 1)	1
KIN FW1 (Fitness Walking 1)	1
KIN FW2 (Fitness Walking 2)	1
KIN GBW (Guts and Butts Workout)	1
KIN JW (Jog/Walk)	1
KIN PF (Personal Fitness)	1
KIN PL2 (Pilates 2)	1
KIN PPA1 (Power Platform Aerobics)	1
KIN WT2 (Weight Training 2)	1
KIN WTW1 (Women's Weight Training One)	1
KIN WTW2 (Women's Circuit Training)	1
KIN XT1 (X-Training)	1
KIN YOF (Yoga Fitness)	1
KIN YO2 (Yoga 2)	1
KIN ZUM1 (Zumba Fitness Workout 1)	1

Area 5: Individual Sports

KIN GF1 (Golf 1)	1
KIN GF2 (Golf 2)	1

Area 6: Team Sports

KIN FL1 (Flag Football 1)	1
KIN FL2 (Flag Football 2)	1
KIN FS1 (Introduction to Futsal)	1
KIN FS2 (Intermediate Futsal).....	1
KIN LAX1 (Lacrosse)	1
KIN SC1 (Soccer Outdoor).....	1
KIN SC2 (Soccer Outdoor 2).....	1
KIN SI (Soccer - Indoor).....	1
KIN UF2 (Ultimate Frisbee 2).....	1
KIN VB1 (Volleyball Beginning).....	1
KIN VB2 (Volleyball Intermediate)	1

List A: Select Two (6-10 Units)

BIO 20 (Contemporary Human Biology).....	3
CHEM 1A (General College Chemistry I).....	5
KIN 14 (Responding to Emergencies: Comprehensive First Aid/CPR/AED).....	3
MATH 40 (Statistics and Probability)	4
PHYS 1A (General Physics I) or PHYS 2A (Introduction to Physics I).....	4-5

Total Units for the Major 22-26

Additional General Education and Elective Units 34-38

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

**Certificate of Achievement
Athletic Training/Sports Medicine**

About the Certificate

The Certificate of Achievement in Athletic Training/Sports Medicine is designed to be taken in conjunction with the Associate in Arts in Kinesiology for Transfer to prepare students to apply to an Athletic Training Education Program (ATEP) in the CSU system and to complete a baccalaureate degree in Athletic Training or a similar major. Students who obtain the Associate in Arts in Kinesiology for Transfer in conjunction with the Certificate of Achievement in Athletic Training/Sports Medicine will have completed the common core of lower division courses required for a CSU baccalaureate degree in Kinesiology and most prerequisites required for admission into an ATEP program accredited by the Commission on Accreditation of Athletic Training Education (CAATE). General education requirements should be selected carefully based on the intended four-year institution and desired ATEP program. Participation in Kinesiological classes develops critical thinking, personal growth, research abilities, manual therapy skills, and an understanding of working in a clinical and athletic setting. Students should talk with a counselor to determine whether or not this certificate and degree combination is the best option for their

academic goals and to ensure efficiency.

Career Opportunities

Career opportunities include work in hospital emergency departments, intercollegiate athletics, law enforcement and military, occupational and industrial settings, performing arts, physician offices, professional sports, secondary schools, sports medicine clinics, corporate settings, community outreach, and health and fitness related jobs.

Program Outcomes

- Upon completion of the Athletic Training/ Sports Medicine Certificate of Achievement, the student should be able to analyze and categorize various athletic training and related programs (employment settings, educational preparation/programs, certification, continuing education requirements, professional development and responsibilities).
- Upon completion of the Athletic Training/ Sports Medicine Certificate of Achievement, the student should be able to demonstrate the skills relative to activation and implementation of the college athletic department emergency action plan, including primary and secondary surveys of an injured individual, and administration of emergency care procedures (first aid, control of bleeding, wound care, fracture/dislocation packaging, bloodborne pathogen protection and CPR/AED).
- Upon completion of the Athletic Training/ Sports Medicine Certificate of Achievement, the student should be able to apply therapeutic modalities under the supervision of a staff athletic trainer, including thermotherapy, cryotherapy, ultrasound, and electrical stimulation.
- Upon completion of the Athletic Training/ Sports Medicine Certificate of Achievement, the student should be able to explain and identify techniques associated with injury recognition, evaluation and assessment, including taking an appropriate injury history.
- Upon completion of the Athletic Training/ Sports Medicine Certificate of Achievement, the student should be able to identify prominent anatomical landmarks via palpation and assess ranges of motion of the foot, ankle, knee, hip, wrist/hand/ thumb, elbow, shoulder and spine.
- Upon completion of the Athletic Training/ Sports Medicine Certificate of Achievement, the student should be able to illustrate basic athletic taping and wrapping applications for injury prevention and management.
- Upon completion of the Athletic Training/ Sports Medicine Certificate of Achievement, the student should be able to critique padding and bracing devices and apply as indicated for injury prevention and management.

Required Core: (28 Units)

BIO 7A (Human Anatomy)	5
BIO 7B (Human Physiology)	5
KIN 17 (Intro to Athletic Training and Sports Medicine)	4
KIN 18A (Athletic Training Practicum 1).....	1
KIN 18B (Athletic Training Practicum 2).....	1
KIN 19 (Care and Prevention of Athletic Injuries).....	3

KIN 30 (Introduction to Kinesiology) 3
 NUTR 1 (Nutrition) 3
 PSYC 1 (General Psychology) 3
Total Units 28

**Certificate of Achievement
Fitness Trainer**

About the Certificate

The Fitness Instructor Certificate of Achievement is designed to prepare students to be employed in the area of fitness training as personal trainers/instructors and as group fitness instructors. The courses that are offered in the certificate are to prepare students to sit for a nationally recognized fitness organization and will provide a strong foundation in the field of Kinesiology. Students who have successfully completed BIO 7A and BIO 7B may substitute them for BIO 50.

Career Opportunities

Upon successful completion of the certificate students can pursue careers as individual fitness instructors or personal trainers, and also as group fitness instructors. These entry levels positions are primarily offered in the private sector.

Program Outcomes

- Upon completion of the Certificate of Achievement in Fitness Trainer, the student should be able to work in the field of personal trainers and as a group fitness instructor, and also identify a number of career options in the kinesiology field.
- Upon completion of the Certificate of Achievement in Fitness Trainer, the student should be able to identify modifiable and non-modifiable risk factors for personal health, locate health information related to behavior change processes, evaluate the credibility of those sources, and integrate and apply scientific research into individual behavior change processes for clients.
- Upon completion of the Certificate of Achievement in Fitness Trainer, the student should be able to develop and administer a safe and effective periodized exercise program designed for a client.
- Upon completion of the Certificate of Achievement in Fitness Trainer, the student should be able to estimate heart rate, maximum heart rate and, target heart rate, and perform CPR with AED and rescue breathing.

Required Core: (16.5 Units)

BIO 50 (Anatomy and Physiology) 4
 HLTH 1 (Introduction to Personal Health) 3
 KIN 6 (Personal Trainer) 3.5
 KIN 30 (Introduction to Kinesiology) 3
 KIN 14 (Responding to Emergencies: Comprehensive First Aid/CPR/AED) 3

List A: Select from the Following (2 Units)

KIN AB (Aerobic Fitness) 0.5-2

KIN AFG (Aerobic Fitness Gym) 1-2
 KIN BC1 (Boot Camp for Flexibility & Core Development) 1-2
 KIN BC2 (Boot Camp for Aerobic Conditioning) 1-2
 KIN BC3 (Boot Camp for Power & Strength Training) 1-2
 KIN BSF1 (Body Sculpting for Fitness) 1-2
 KIN BX1 (Box Aerobics 1) 0.5-2
 KIN BX2 (Box Aerobics 2) 1-2
 KIN CYCL1 (Cycling Conditioning 1) 1-2
 KIN CYCL2 (Cycling 2) 0.5-2
 KIN DBS (Dance Aerobics/Body Sculpting) 1-2
 KIN FC (Fitness Center) 0.5-2
 KIN FD (Fitness Development) 0.5-2
 KIN GBW (Guts and Butts Workout) 1-2
 KIN HHA (Hip Hop Aerobics) 1-2
 KIN ID (Introduction to Dance) 1-2
 KIN PL1 (Pilates 1) 0.5-2
 KIN PL2 (Pilates 2) 1-2
 KIN PPA1 (Power Platform Aerobics) 1-2
 KIN SD (Salsa Dance 1) 1-2
 KIN WT1 (Weight Training 1) 1-2
 KIN WT2 (Weight Training 2) 1-2
 KIN WTW1 (Women's Weight Training One) 1-2
 KIN WTW2 (Women's Circuit Training) 1-2
 KIN XT1 (X-Training) 1-2
 KIN ZUM1 (Zumba Fitness Workout 1) 1-2

Total Units 18.5

Kinesiology Activity Courses (KIN)

KIN AAE ADAPTED AEROBIC EXERCISE 0.5-2 UNITS

This course is for people with disabilities to develop different aerobic exercises to improve cardiovascular strength and endurance. Students will experience cardiovascular training in the context of their individual's physical, intellectual and/or affective abilities and limitations. Students will experience aerobic exercises such as biking, chair aerobic exercise, walking, jogging, Step, treadmill and elliptical. Students will review and apply basic exercise physiology and fitness concepts in the context of their own abilities and limitations to develop and/or maintain their cardiovascular fitness levels. 27- 108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. * Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN AAQE ADAPTED AQUATIC EXERCISE 0.5-2 UNITS

This class is an opportunity for students with disabilities to improve muscle strength and endurance through exercises done in shallow water. The pool allows minimal joint stress while doing range of motion and strengthening exercises. This class is designed for students with limitations that are directly related to their verified physical or mental disabilities. Exercises will be adapted to the individual's needs and disability. Students must have a current clearance from their doctor to participate in this class. 27-108 hours laboratory. (Students with verified disability may petition to take this course for credit beyond the four times stated) AA/AS GE. Transfer: CSU, UC*; CSU

GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN AB AEROBIC FITNESS 0.5-2 UNITS

Aerobic Fitness is an intermediate conditioning class that emphasizes cardiovascular endurance activities through a variety of exercises that stimulate heart and lung activity. Interval calisthenics are used as a warm-up, and then activities that develop increased aerobic efficiency will be performed by the students. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN AFG AEROBIC FITNESS GYM 1-2 UNITS

The Aerobic Fitness Gym course will present and implement the fundamental principles of Cardio/Aerobic Fitness training. Methods of assessing and monitoring aerobic intensity will be discussed and documented in class. The health and fitness benefits of cardio/aerobic conditioning will be presented. A variety of aerobic gym equipment will be used to achieve cardiopulmonary fitness and healthy body composition. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN AIE ADAPTED INDIVIDUALIZED EXERCISE 1-2 UNITS

This course is designed to have students with disabilities develop and use individualized exercise programs to meet their particular needs. Exercises will emphasize lifelong health, balance, flexibility, muscular strength and endurance, aerobic conditioning and coordination. Exercise principles and safety will be emphasized. Individual sports, such as bowling, self-defense, and track may be adapted for participation by the students. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN APA ADAPTED PHYSICAL ACTIVITIES 0.5-2 UNITS

This class has been offered to disabled students to participate in a variety of team and dual activities. This class is part of the family of Adapted Kinesiology classes. Students attending this class must have a disability that prevents them from finding success in a regular physical activity class. Each student must provide the instructor with a current medical record and clearance from a doctor in order to participate in class. The class will include many physical activities which will be modified and adapted for participation of people with disabilities. Movement, flexibility and cardiovascular endurance will be used to achieve health and wellness. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN AQA AQUA AEROBICS 1-2 UNITS

Student will participate in a variety of upright exercises in the shallow

and deep water of a pool. Water specific movements, which take advantage of the unique characteristics of water, will help students improve cardiorespiratory endurance, muscle endurance/strength, flexibility and body composition, while minimizing impact on the body. Students need not be swimmers to participate in this class; however students must feel comfortable in the water. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN AWT ADAPTED WEIGHT TRAINING 1-2 UNITS

This adapted kinesiology course is for those individual's with special needs as a result of a disability and/or limitation(s). It provides an opportunity to learn methods to improve muscular strength and endurance in a safe, supervised gym environment. Students will learn sound training principles and their application. A personalized exercise program will be designed to meet the individual needs and goals of each student. Student will be required to provide medical clearance to participate in this course. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN BC1 BOOT CAMP FOR FLEXIBILITY 1-2 UNITS & CORE DEVELOPMENT

Improve flexibility and core development (thus providing stability to our movements) through a variety of drills and military style movements. Functional training delivered in an intense environment. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN BC2 BOOT CAMP FOR AEROBIC CONDITIONING 1-2 UNITS

Improve aerobic capacity, muscle endurance and cardiorespiratory fitness through a variety of drills and military style movements. Functional training delivered in an intense environment. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN BC3 BOOT CAMP FOR POWER & STRENGTH TRAINING 1-2 UNITS

Improve muscle strength & power through a variety of drills and military style movements. Functional training delivered in an intense environment. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN BD1 BADMINTON 1 0.5-2 UNITS

Introduction to the fundamental techniques of badminton (for example, the forehand and backhand serve, service return, and lob shots). Course will also include grip, footwork, rules, equipment and court dimensions. 27-108 hours laboratory. AA/AS GE. Transfer:

CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN BD2 BADMINTON 2 0.5-2 UNITS

The techniques of badminton for the intermediate player will be reviewed and performed. This course will also incorporate match analysis for singles and doubles play. Strongly Recommended: KIN BD1 with a minimum grade of C. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN BD3 BADMINTON 3 0.5-2 UNITS

Badminton strategy for singles and doubles play. The body's physiological responses to singles and doubles play will be examined. Strongly Recommended: KIN BD2 with a minimum grade of C. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN BK1 BASKETBALL 1 1-2 UNITS

This multi-level course is designed to provide the student with an opportunity to development the basic skills and understanding of basketball. Skills such as dribbling, passing, shooting, defensive and offensive strategies will be presented and practiced. Team play and sportsmanship are important priorities that are emphasized in this class. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN BK2 BASKETBALL 2 1-2 UNITS

This course is designed to provide the student with an opportunity to develop the skills and understanding of basketball at the advanced level. Skills such as dribbling, passing, shooting, defensive and offensive strategies will be presented and practiced. Team play and sportsmanship are important priorities that are emphasized in this class. Strongly Recommended: KIN BK1 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN BL1 BOWLING 1 1-2 UNITS

This course is designed to give the student the opportunity to learn the basic skills, terminology, and etiquette of bowling and be able to participate in a league type bowling program using off-campus bowling centers. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN BSF1 BODY SCULPTING FOR FITNESS 1-2 UNITS

This kinesiology course focuses on the use of Bells and Balls for Core

muscular sculpting and conditioning. An introduction to resistance training using dumb bells, barbells, kettle bells, medicine balls, stability balls and step platforms. The health and fitness related benefits will be presented. SMART goal setting, personal program design and compliance will be included in the instruction. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN BX1 BOX AEROBICS 1 0.5-2 UNITS

Course is designed to give the student an opportunity to experience a combination of martial arts and aerobic exercise for the benefit of physical fitness. Exercises will include jumping rope, push-ups, abdominal work, cardiovascular exercise, strength training and toning exercises, box aerobics drills and stretching. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN BX2 BOX AEROBICS 2 1-2 UNITS

This course is for beg/intermediate students, who have an interest in the progressive development of the martial arts. The course is designed with beginning/intermediate martial arts movements and boxing drills to improve overall health and fitness. Sport Taekwondo footwork is applied with modern boxing skills to promote progression of personal physical capabilities. A component of strength training for upper body and core will be included. Traditional Korean philosophies & terminology will be utilized in class to focus on the mind, body, and spirit relationship. Strongly Recommended: KIN BX1. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN CR1 CRICKET 1 1 UNIT

An introduction to the sport of Cricket. This course will introduce the student to the fundamentals of cricket including; batting, bowling and fielding. 54 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN CR2 CRICKET 2 1 UNIT

Cricket 2 will provide students with instruction in the art of batting, bowling and fielding at an intermediate level of play. 54 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN CYCL1 CYCLING CONDITIONING 11-2 UNITS

This course is an introduction to Physical Fitness through indoor cycling. The cycling program is an individually paced, noncompetitive, group training program designed for all riders and all fitness levels. Cycling is an exercise performed on a stationary bicycle and is performed to music. The course is open to anyone who is interested in developing muscular endurance, improved

cardio-respiratory endurance and body composition. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN CYCL2 CYCLING 2 0.5-2 UNITS

This course is the second in a series of Indoor Cycling courses. Emphasis is based on beginning to intermediate cycling techniques, heart rate calculations, fitness evaluations, and cardiovascular training and program design. Beginning level principles of physiology are explored including how to train to elicit a desired physiological response. Utilizing a variety of equipment student will develop core endurance and strength. This class is designed for students interested in aerobic fitness improvement through indoor cycling as well as Kinesiology majors. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN CYCL3 CYCLING 3 0.5-2 UNITS

This is an advanced course of fitness through indoor cycling. The cycling program is an individually paced, group training program. Cycling is an exercise performed on a stationary bicycle and is performed usually to music. This course is designed to build upon the base levels of fitness developed in Cycling 1 and Cycling 2 courses while increasing the development cardio-respiratory endurance and overall body strength. 27-108 hours laboratory. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

KIN DBS DANCE AEROBICS/BODY SCULPTING 1-2 UNITS

A combination of aerobic dance and specific resistance training. Improves cardio-respiratory endurance and tones major muscle groups. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN DV1 SPRINGBOARD DIVING 1-2 UNITS

This course is designed to give students an introduction into the sport of Springboard Diving. Instruction will include 1 meter and 3 meter springboards, and the 5 types of dives (forward, backward, reverse, inward, twisting). Strongly Recommended: KIN SW1 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN ETD1 ESKRIMA - TENIO DECUERDAS 1 1-2 UNITS

An introductory course of the Filipino martial art system of Tenio DeCuerdas Eskrima: a complete system combining 18 styles of eskrima, kali, and arnis. The course will focus on history of the system, basic movement and striking, increasing hand speed, defenses against daga, daga versus daga, and how to receive techniques safely. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE:

E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN ETD2 ESKRIMA - TENIO DECUERDAS 2 1-2 UNITS

A second semester course of the Filipino martial art system of Tenio DeCuerdas Eskrima. The course will focus on history of the head of the system, concepts of rhythms and beats, proper footwork, defenses against daga, daga versus daga, and how to receive techniques safely. Strongly Recommended: KIN ETD1 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN ETD3 ESKRIMA - TENIO DECUERDAS 3 1-2 UNITS

A third semester course of the Filipino martial art system of Tenio DeCuerdas Eskrima. The course will focus on concepts of sectoring, advanced footwork, trapping and locking, intermediate daga versus daga concepts, and how to safely receive advanced techniques. Strongly Recommended: KIN ETD2 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN ETD4 ESKRIMA - TENIO DECUERDAS 4 1-2 UNITS

A fourth semester course of the Filipino martial art system of Tenio DeCuerdas Eskrima. The course will focus on concepts of the third arm, proper leg evasions, and advanced open hand and daga versus daga techniques. Strongly Recommended: KIN ETD3 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN FC FITNESS CENTER 0.5-2 UNITS

Students will be presented instruction on how to develop and maintain the components of fitness: muscular strength, muscular endurance, cardiovascular endurance, flexibility and body composition. Students will learn how to design an individualized exercise program based on sound training principles and personal goals. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN FD FITNESS DEVELOPMENT 0.5-2 UNITS

Introduction to the components of fitness development. Students will be presented instruction on how to maintain and development the components of fitness: muscular strength, muscular endurance, cardiovascular endurance, flexibility and balance. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. **Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E.
** Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN GF1 GOLF 1 **1-2 UNITS**

This is an introductory course to the sport of golf. The course will include the rules, regulations and etiquette of golf, the fundamental swing skills for the long and short game and appropriate club selection. Beg-Intermediate and Intermediate players can benefit from the basic instruction to improve their skill set through the art of practice on the range. The course will be offered at a local golf range and student will be charged a minimal fee for bucket of balls to be used. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. ** Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

KIN GF2 GOLF 2 **1-2 UNITS**

For students who possess the rudimentary skills of golf and aim to improve those abilities. Students will hone their putting, short game, mid-long iron play and driving capabilities. The course is offered at a local driving range who will charge a minimal fee for practice balls. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. ** Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

KIN GF3 GOLF 3 **1-2 UNITS**

Advanced technical aspects of golf match play will be included. Additionally, psychological skills for the elite golfer will be incorporated including visualization, pre-shot routines, relaxation methods and self-talk strategies. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. ** Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

KIN HHA HIP HOP AEROBICS **1-2 UNITS**

This course is designed to give a vigorous full-body workout with choreographed dance moves to hip hop/club music. Hip hop dance is an alternate form of exercise that helps improve and maintain the shape of one's body, burn calories, and strengthen immune system in a low pressure, safe, and fun environment. Will include low and high impact aerobics. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. ** Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN JDR1 JUJUTSU - DANZAN RYU 1 **1-2 UNITS**

An introductory course of the martial art system of Danzan Ryu Jujutsu: a hybrid of Japanese Jujitsu, Judo, and Kenpo, and the Hawaiian art of Lua. Techniques are not strength based and primarily involve the use of joint and nerve manipulation, precision

striking, and throwing to subdue an attacker. This course will focus on history of the system and founder, basic movement, escapes, trip throws, strikes, and how to receive techniques safely. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. ** Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN JDR2 JUJUTSU - DANZAN RYU 2 **1-2 UNITS**

A second semester course of the martial art system of Danzan Ryu Jujutsu. This course will focus on history of techniques and the successor, ukemi, holds, trip throws, sweep throws, and how to receive techniques safely. Strongly Recommended: KIN JDR1 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. ** Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN JDR3 JUJUTSU - DANZAN RYU 3 **1-2 UNITS**

A third semester course of the martial art system of Danzan Ryu Jujutsu. This course will focus on ukemi, escapes, locks, sweep throws, reap throws, hip throws, pins, striking combinations, and how to receive techniques safely. Strongly Recommended: KIN JDR2 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. ** Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN JDR4 JUJUTSU - DANZAN RYU 4 **1-2 UNITS**

A fourth semester course of the martial art system of Danzan Ryu Jujutsu. This course will focus on ukemi, escapes, locks, constrictions, hip throws, drop throws, and how to receive techniques safely. Strongly Recommended: KIN JDR3 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. ** Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN JW JOG/WALK **1-2 UNITS**

This kinesiology fitness course focuses on walking or jogging to enhance one's cardiovascular fitness, body composition, and overall general health. This course is ideal for the general population to begin or continue a lifetime of exercise. Walking/Jogging techniques, training intensity assessment, methods for improvement and personal programs will be provided during the course. With consistent practice and implementing sound fitness principles provided by this course, one will benefit from participation. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. ** Any or all of these PE Activity courses combined: maximum UC credit, 4 units.*

Degree Applicable, Credit Grading Option: OP

KIN LAX1 LACROSSE **1-2 UNITS**

Introduction to the team invasion game of Lacrosse. Fundamental skills of cradling, passing and catching, dealing with ground balls, shooting and dodging are incorporated. Strategies and tactics, for example; zonal defending, exploiting counter- attacking situations, and the settled offense will be integrated. Applied exercise physiology and psychology concepts are explained in context with the activity.

54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN LG LIFEGUARDING 1.5 UNITS

This course is designed to provide the students with the knowledge and skills to prevent, recognize and respond to emergencies and to provide care for injuries and sudden illness until emergency medical services arrive and take over. Upon successful completion of the Lifeguarding course requirements and exams, students will earn American Red Cross certificates. The Lifeguarding/First Aid certificates are valid for three (3) years, and the CPR/AED portion is valid for one (1) year. The student must be 15 years of age on or before the final scheduled session of the course. Strongly Recommended: KIN SWF1 or KIN SWA. 18 hours lecture, 27 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

KIN OM1 OPTIMAL MOVEMENT 1 0.5-2 UNITS

This course is an introduction to the biomechanics of optimal movement. The program consists of exercises to teach and restore motor skill and optimal muscle length using objective alignment markers that serve as indicators to healthy muscle activity and overall health. Using the alignment principles of Restorative Exercise you will learn what optimal alignment is and how to apply it in your daily life. This biomechanical model is based on physics, physiology, anatomy, and engineering and simply states that all-over muscle use is a requirement of human health and is not optional. Pilates exercises and Yogic breathing will be included in the curriculum. This course is appropriate for all fitness levels and valuable to Kinesiology majors for its applied anatomy and biomechanics of optimal movement. 27-108 hours laboratory. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

KIN PF PERSONAL FITNESS 1 UNIT

An independent, self paced, personal activity program planned and implemented in conjunction with student goals. Based on goals and results of a fitness assessment and health risk appraisal, an individualized program is developed through personal counseling. Programs can include a physical assessment profile, a health risk appraisal, an individualized exercise/activity program, nutrition counseling, health/wellness education, and behavior modification. The student is required to meet with the instructor on campus at the beginning and end of the semester. This is a hybrid class in which the students are assessed and there is a lecture component in the beginning of the class. At the end of the term the students will be reassessed and there will be individual instruction, handouts and another face-to-face lecture. 9 hours lecture, 27 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN PL1 PILATES 1 0.5-2 UNITS

This course is an introduction to the Pilates Method of body

conditioning. This course presents a system that helps build flexibility and long lean muscles as well as strength and endurance in the legs, abdominals, arms, hips and back. Strong emphasis is placed on spinal and pelvic alignment. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN PL2 PILATES 2 1-2 UNITS

This Kinesiology course is continued study of the Pilates Method. The student will learn the principle of neutral spine, how to use Pilates props to provide variation and increased difficulty, and create level 2 exercise routines to enhance overall fitness. The concept of "complete coordination of the body, mind and spirit" will be experienced. Strongly Recommended: KIN PL1 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN SD1 SALSA DANCE 1 1-2 UNITS

An introductory course in salsa music and the basics of salsa dance. Various patterns will be introduced, allowing students to improve their technique and develop a strong awareness of the rhythm of the dance. No partner required. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

KIN SI1 SOCCER – INDOOR 1 1-2 UNITS

Students will practice the skills of kicking, passing, trapping and heading necessary for controlled indoor soccer play. Students will discuss and employ basic offensive and defensive strategies and tactics; and put into practice the rules governing soccer. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN SI2 SOCCER - INDOOR 2 1-2 UNITS

A second semester course for outdoor soccer. This course will focus on the defensive and offensive tactics of the sport. Students will use the skills covered in Indoor Soccer 1 (SI1) while participating in both small sided and full sided play. Strongly Recommended: KIN SI1 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

KIN SO1 SOCCER - OUTDOOR 1 1-2 UNITS

This course will teach students the rules of soccer and the fundamental skills of soccer including passing, receiving, shooting, and dribbling. Students will participate in both small-sided and full-sided play. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN SO2 SOCCER - OUTDOOR 2 1-2 UNITS

A second semester course for outdoor soccer. This course will focus

on the defensive and offensive tactics of the sport. Students will use the skills covered in Soccer - Outdoor 1 (SO1) while participating in both small sided and full sided play. Strongly Recommended: KIN SO1 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN SW1 SWIMMING 1 1-2 UNITS

An introductory course designed to teach basic swimming skills and is designed for non-swimmers who cannot complete one length of the pool (25 yards). Emphasis will be on the physical and psychological adjustment to the water as well as basic swimming stroke technique. Students will also learn aquatics safety methods. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN SW2 SWIMMING 2 1-2 UNITS

This is a beginning level course designed to teach fundamental swimming skills. Emphasis will be on developing basic swimming techniques for the freestyle and backstroke, and include an introduction to breaststroke, butterfly, and sidestroke. Students will also learn aquatic safety methods. Strongly Recommended: KIN SW1 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN SW3 SWIMMING 3 0.5-2 UNITS

This is an Intermediate Swimming course. Instruction includes refining the competitive strokes (freestyle, backstroke, butterfly, breaststroke) of the individual medley, and competitive turns for each stroke. Strongly Recommended: KIN SW2 with a minimum grade of C. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN SW4 SWIMMING 4 1-2 UNITS

This is an advanced course designed to enhance the overall knowledge and technique for the aspiring swimmer. Instruction will include an in depth analysis of stroke, turn, and start techniques used in competition (Intercollegiate, High School, Open Water, Triathlon, USA Swimming, and Recreational League). Strongly Recommended: KIN SW3. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN SWF1 SWIMMING FOR FITNESS 1 1-2 UNITS

This course is designed to introduce students to conditioning for swimming. This is a broad level course that will utilize a variety of strokes to increase cardiovascular fitness, as well as introduce the students to different training methodologies. Strongly Recommended: KIN SW2. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity

courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN SWF2 SWIMMING FOR FITNESS 2 0.5-2 UNITS

This is an intermediate level swim fitness course with an emphasis in sprint training. This course will teach the student about the different aspects of sprint training as they relate to different distances (50 and 100 yards/meters). Instruction will also include sprint training for each of the competitive strokes (backstroke, breaststroke, and butterfly). Strongly Recommended: KIN SW3 and KIN SWF1. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN SWF3 SWIMMING FOR FITNESS 3 1-2 UNITS

This is an intermediate level swim fitness course with an emphasis in middle distance training. This course will teach the student about the different aspects of middle distance training for freestyle as they relate to specific race distances: 200, 400, and 500. Instruction will also focus on the 200 & 400 Individual Medley and the 200's of the strokes (backstroke, breaststroke, and butterfly). Strongly Recommended: KIN SWF1 and KIN SW3. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN SWF4 SWIMMING FOR FITNESS 4 1-2 UNITS

This is an intermediate level swim fitness course with an emphasis in distance training. This course will teach the student about the different aspects of distance training for freestyle as they relate to specific race distances: 800/1500 meters and 1000/1650 yards. Instruction will also include an introduction to open water swimming techniques and strategies. Strongly Recommended: KIN SWF1 and KIN SW3. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN TK1 TAE KWON DO 1 0.5-2 UNITS

A beginning level self-defense course designed to teach fundamental techniques of Taekwondo. Developing basic techniques in kicking, punching and sparring, the course will introduce concepts of fitness and cardio-respiratory conditioning achieved through participating in Taekwondo. This course is structured as a martial arts class. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN TK2 TAE KWON DO 2 1-2 UNITS

This martial arts course is structured as a continuation from Level 1 Taekwondo. The intermediate techniques of kicking, punching and sparring will reinforce concepts of fitness and cardiorespiratory conditioning achieved through participating in Taekwondo. Students will learn intermediate self-defense techniques from Taekwondo skills. Attending and observing local tournaments will be assigned

as an off campus activity. Strongly Recommended: KIN TK1 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN TK3 TAE KWON DO 3 1-2 UNITS

This martial arts course is structured as a continuation from Level 2 Taekwondo. The advanced techniques of blocks, kicks and stances will reinforce concepts of fitness, cardio-respiratory conditioning, strength and balance achieved through participating in Taekwondo. Students will learn advanced self-defense techniques and advanced required forms in Accordance with World Taekwondo Federation Regulations. Attending and observing local tournaments will be assigned as an off campus activity. Strongly Recommended: KIN TK2 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN TN1 INTRODUCTORY TENNIS 1-2 UNITS

This course is an introduction to the game of Tennis. The rules, regulations, etiquette, equipment required and appropriate apparel will be presented. The fundamentals of tennis including footwork, forehand, backhand and service will be taught and developed. Discussion of the terminology, scoring and singles versus doubles play are included. Beginning to Intermediate level players would benefit from this skills course. This course will be offered off campus at a designated tennis court location. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN UF1 ULTIMATE FRISBEE 1 0.5-2 UNITS

This is an introductory course designed to teach students basic skills of ultimate frisbee and "spirit of the game". Instruction will include learning basic throws, catches, offensive and defensive strategies, and rules of the game. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN UF2 ULTIMATE FRISBEE 2 1-2 UNITS

This is a beginning/intermediate level course designed to enhance skills that pertain to the sport of Ultimate Frisbee. Instruction will include throwing, catching, pivoting and marking skills. Offensive and defensive strategies will be introduced. Strongly Recommended: KIN UF1. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN UF3 ULTIMATE FRISBEE 3 1-2 UNITS

This is an advanced level course designed to master the skills necessary to compete in the sport of ultimate frisbee. Instruction will include increasing throwing distance and accuracy, offensive and defensive strategies, and aerobic conditioning. Strongly

Recommended: KIN UF2 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN UF4 ULTIMATE FRISBEE 4 1-2 UNITS

This is a progressive competitive level course designed to prepare students for tournament play in the sport of ultimate frisbee. Instruction will provide a strong emphasis on high levels physical conditioning required for competitive play such as agility, speed, and endurance. Instruction will discuss successful game management and coaching philosophy. Prerequisite: KIN UF3 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN VB1 VOLLEYBALL BEGINNING 1-2 UNITS

Provides instruction on the individual and team skills and strategies of volleyball. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN VB2 VOLLEYBALL INTERMEDIATE 1-2 UNITS

This is a course designed and developed for the intermediate level volleyball player. It is a continuation of beginning volleyball with an emphasis in executing the fundamental skills and techniques of power volleyball at a higher level. This course differs from beginning volleyball in that set patterns and systems of offense and defense are used in a team strategy. Before enrolling student should have proficiency in the skills of passing and setting. Strongly Recommended: KIN VB1 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN VB3 VOLLEYBALL ADVANCED 1-2 UNITS

Advanced techniques of volleyball with emphasis on competitive play. Strongly Recommended: KIN VB2 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN WP1 WATER POLO 1 1-2 UNITS

This course is an introduction to the sport of Water Polo. Instruction will include individual skills relating to the play of water polo. Instruction will also include rules, regulations, and basic team play. Strongly Recommended: KIN SW2 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN WP2 WATER POLO 2 1-2 UNITS

This is an intermediate course designed to give the student the

opportunity to learn and enhance personal and team skills relating to the game of Water Polo. Instruction will focus on advancing individual skills, team strategies, and an appreciation for competition. Strongly Recommended: KIN WP1, KIN SW2. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN WP3 WATER POLO 3 1-2 UNITS

This course is designed to give students the opportunity to learn and apply specific conditioning skills relating to the game of Water Polo. Instruction will focus on speed, quickness, strength, and cardiovascular conditioning in the pool as they relate to the play of Water Polo. Concepts of dryland training and periodization will be discussed. Strongly Recommended: KIN WP1 with a minimum grade of C, KIN SW2 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN WT1 WEIGHT TRAINING 1 1-2 UNITS

This course provides an introduction to weight training. Students will learn how to improve muscle strength and muscle endurance through the correct application of basic weight training principles. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN WT2 WEIGHT TRAINING 2 1-2 UNITS

Weight Training 2 is a continuation course to the Basic course WT1. The Principles of Training, Level 2 terminology and weight training biomechanics will be presented. Level 2 programs and possible variations will be applied in the prescription of the personal weight training program. The course will incorporate lectures on possible injuries and prevention in a more advanced weight training setting. Implementation of goal setting, tracking, analyzing, progressing individual programs will be included. Strongly Recommended: KIN WT1 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN WTW1 WOMEN'S WEIGHT TRAINING ONE 1-2 UNITS

This specialized course will provide an orientation to the basic weight training machines available in gyms/clubs and proper gym etiquette, a study of the basic musculoskeletal anatomy and kinesiology of the female body, present the fundamental tenets of weight training, discuss how to maintain healthy body composition, and information on designing a weight training program to achieve attainable personal goals. Pre/Post Fitness Assessments will be conducted to establish a baseline of fitness and a measuring instrument for improvement toward weight training goals. Through proper education and implementation of sound weight training principles, the female student will be able to maintain a healthy lifestyle throughout various stages of life. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined:

maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN WTW2 WOMEN'S CIRCUIT TRAINING 1-2 UNITS

This course will present the basic tenets of Circuit Training. The Circuits to be introduced are Power Circuits, Strength Circuits and Cardio-Resistance Circuits. The Course will include basic muscle anatomy & anatomical movement terminology as it relates to weight training, instruction on use of equipment and safety guidelines, physiological changes in aerobic capacity and body composition secondary to the circuits, and pre/post physical fitness assessments to establish a baseline for current level of conditioning and improvement made over the course of the semester. Strongly Recommended: KIN WTW1 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN XT1 X-TRAINING 1-2 UNITS

This kinesiology class will offer the student an opportunity to learn how to exercise safely in a Weight/Cardio gym. Circuit, Interval and Cross Training programs will be introduced. The topics of discussion will include: equipment orientation and safety, Principles of Resistance and Aerobic Training, energy systems used for various training regimens, and the benefits of exercise in establishing and maintaining a healthy lifestyle throughout life. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN YO1 YOGA 1 0.5-2 UNITS

This is an introductory course exploring the principles of Hatha Yoga and how they apply to achieving lifetime fitness. Emphasis is on developing awareness of body alignment, balance, and flexibility through a series of exercises and poses. Breathing exercises, relaxation and meditation techniques are learned and practiced throughout the course. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN YO2 YOGA 2 1-2 UNITS

This is an intermediate Hatha Yoga course that emphasizes intense stretching, balancing, and building of muscular strength. A series of poses and breathing techniques will be practiced in order to create a more strenuous yoga experience. Emphasis will be on the principles of healthy living, along with proper posture, relaxation and meditation techniques. Strongly Recommended: KIN YO1 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN YO3 YOGA 3 1-2 UNITS

This is an intermediate/advanced Hatha Yoga course that introduces the student to a variety of Yoga styles and meditation practices.

Gentle, Restorative, and Vinyasa Yoga along with various meditation techniques will be practiced, improving concentration, physical endurance, flexibility, balance, and posture. The course integrates intermediate breathing techniques to deepen the level of introspection in both poses and meditation. Basic Sanskrit terminology will be introduced. Emphasis will be placed on mindfulness and strengthening the mind/body connection. Strongly Recommended: KIN YO1 with a minimum grade of C, KIN YO2 with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN YO4 YOGA 4 0.5-2 UNITS

This course introduces the student to the advanced practice of Yoga and meditation. Students learn the practice of vigorous Vinyasa flow to improve concentration, physical endurance, flexibility, balance and posture. This course integrates Yoga philosophy and advanced breathing techniques to deepen the mind/body connection and reduce stress. Strongly Recommended: KIN YO1 with a minimum grade of C, KIN YO2 with a minimum grade of C. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: OP

KIN ZUM1 ZUMBA FITNESS WORKOUT 11-2 UNITS

Zumba is a Latin-inspired, dance-fitness workout class that incorporates Latin American inspired music, along with jazz, hip hop, pop, country and African inspired international music. Zumba workouts will use choreographed steps and movements to form a fitness based calorie burning dance workout. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

Kinesiology Theory Courses (KIN)

KIN 5 SPORTS MANAGEMENT 3 UNITS

Course content includes how to organize, manage, plan, staff, direct, and control a sports program. Furthermore, areas such as Title IX, budget, facilities management, sports law, scheduling, officials, sports marketing, transportation, public relations, parent and booster clubs, purchase and care of athletic equipment, fund raising. This course will provide an overview of the many careers available in the sports management industry. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

KIN 6 PERSONAL TRAINER 3.5 UNITS

This course emphasizes the theoretical and hands on skills required of personal trainers, coaches and fitness professionals. This course will bridge the gap between exercise science, kinesiology and practical hands-on learning by integrating the latest in scientific and physiologically based research. This class will have lectures, labs, group work/discussions and assignments. 54 hours lecture, 27 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

KIN 14 RESPONDING TO EMERGENCIES: COMPREHENSIVE FIRST AID/CPR/AED 3 UNITS

This course involves the theory and detailed demonstration of the first aid care of the injured. The student will learn to assess a victim's condition and incorporate proper treatment. Standard first aid, CPR, and AED certification(s) will be granted upon successful completion of requirements. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

KIN 15 FIRST AID & SAFETY 1.5 UNITS

This course has been designed to help you acquire the knowledge and skills you will need to effectively respond to emergency situations. Topics Include: recognition and treatment for cardiac and respiratory emergencies, first aid for bleeding, shock, burns, poisoning, stroke, and various injuries. American Red Cross Standard First Aid and Community CPR/AED certificates issued upon successful completion of Red Cross requirements. 18 hours lecture, 27 hours laboratory. AA/AS GE. Transfer: CSU, UC.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: GR

KIN 16 THE SUCCESSFUL STUDENT ATHLETE 1 UNIT

This course is designed to assist the student-athlete in developing realistic expectations and goals of college, explore academic programs, and understand what is necessary to succeed in college while competing in an intercollegiate sport. This course will also discuss the probability of becoming a professional athlete and life after athletics. The rules and regulations of the California Community College Athletic Association (CCCAA), National Intercollegiate Athletic Association (NCAA) Association of Intercollegiate Athletics (NAIA) will be defined and explored to bring awareness to the student-athlete regarding eligibility and transferring to a four-year institution. 18 hours lecture. Transfer: CSU, UC*. *KIN 16 and PCN 30 combined: maximum UC credit, 3 units.

Degree Applicable, Credit Grading Option: GR

KIN 17 INTRO TO ATHLETIC TRAINING AND SPORTS MEDICINE 4 UNITS

Basic taping skills, introduction to modality usage, and basic rehabilitation principles of athletic training. Designed to be preparatory for further education and a career in Athletic Training and or other Sports Medicine related fields. May include work with intercollegiate sports programs. Legal and ethical issues, professionalism, organization and administration of a sports medicine facility. This course is focused on preparing those interested in becoming Athletic Trainers and Coaches. 54 hours lecture, 54 hours laboratory. Transfer: CSU, UC*. *KIN 17, 22A, and 27 combined: maximum UC credit, 8 units.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: GR

KIN 18A ATHLETIC TRAINING PRACTICUM 1 1 UNIT

Designed to provide clinical experience for students interested in

sports-related injury care and prevention. Organization of a clinical facility and management of game day operations. Experiences will include taping for prevention of injury, use of modalities for the treatment and/or rehabilitation of injuries, stretching techniques, identify and manage emergency situations. Prerequisite: KIN 17 with a minimum grade of C. 54 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: GR

KIN 18B ATHLETIC TRAINING PRACTICUM 2 1 UNIT

This course will expose students to injury evaluation, methods of diagnosis and rehabilitation. The student will help make return to play decisions based on the knowledge they have learned in their coursework. The students will develop and administer conditioning programs to Las Positas College athletes with the guidance of the Certified Athletic Trainer. Prerequisite: KIN 18A with a minimum grade of C. 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

KIN 19 CARE AND PREVENTION OF ATHLETIC INJURIES 3 UNITS

This course provides an introduction to the principles and scientific foundations of athletic training. Examination in the techniques used in the prevention of athletic injuries, including taping, bandaging, and strapping along with how to recognize and evaluate basic signs and symptoms associated with common injuries. Establishing a plan of care that includes rehabilitative exercise will also be studied. Legal and ethical issues, professionalism, organization and administration of a sports medicine facility. This course is focused on preparing those interested in becoming Athletic Trainers and Coaches. Prerequisite: KIN 17 with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

KIN 22A SCIENCE OF SOCCER I 3 UNITS

An introduction to sociological, physiological, psychological, and performance aspects of soccer. This course will provide an analysis of the physiological demands of the game, as well as, the use of applied psychological techniques to enhance confidence and reduce anxiety. Socio-cultural influences on the development of the game and match performance will also be analyzed. 54 hours lecture. AA GE. Transfer: CSU, UC*; CSU GE: E. *KIN 17, 22A, and 27 combined: maximum UC credit, 8 units.

Degree Applicable, Credit Grading Option: OP

KIN 24 SPORT PSYCHOLOGY 3 UNITS

A formal introduction to the study of sport psychology focusing upon both the psychological factors that influence participation in sport and exercise and the psychological effects derived from that participation. Emphasis on understanding the psychological processes involved in human performance, models of intervention that can enhance and improve learning and performance conditions, and the strategies which can elicit and influence favorable psychological perceptions and outcomes. 54 hours lecture. Transfer: CSU; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

KIN 25A YOGA TEACHER TRAINING I 3 UNITS

This course focuses on the fundamentals of yoga that are essential for both practice and teaching. Students learn proper body mechanics, introductory anatomy and physiology, alignment principles, and breathing techniques as they relate to the performance and instruction of beginning yoga poses. Topics include the history and philosophy of yoga, sanskrit terminology, injury prevention and rehabilitation, and vocational opportunities. Strongly Recommended: KIN YO1 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

KIN 26A COACHING YOUTH SOCCER 3 UNITS

This course is intended for those with an interest in coaching youth soccer. It will examine philosophies developed by US and European National Soccer Associations. The purpose is to explore best practices and age-appropriate activities, thereby enhancing the learning experience of the youth soccer participant. 54 hours lecture. Transfer: CSU; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

KIN 27 PRINCIPLES OF COACHING & SPORTS OFFICIATING 3 UNITS

Theory, principles, and ethics of coaching sports with emphasis on the fundamentals and techniques of coaching. Course completion certificate available upon completion (with a grade of "C" or higher). Also, theory and practical applications of sports officiating. Discussion, study and implementation of rule enforcement, mechanics, and techniques used by officials in officiating athletic contests. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC*. *KIN 17, 22A, and 27 combined: maximum UC credit, 8 units.

Degree Applicable, Credit Grading Option: GR

KIN 29A INDEPENDENT STUDY INTERCOLLEGIATE ATHLETICS 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

Degree Applicable, Credit Grading Option: OP

KIN 29K INDEPENDENT STUDY, KINESIOLOGY 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

Degree Applicable, Credit Grading Option: OP

KIN 29P INDEPENDENT STUDY, PHYSICAL EDUCATION 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

Degree Applicable, Credit Grading Option: OP

KIN 30 INTRODUCTION TO KINESIOLOGY 3 UNITS

This class is designed to introduce the student to Kinesiology - the science of human movement (and of humans moving). Concepts in the various subfields of Kinesiology are examined and career

opportunities in the field of Kinesiology are explored. Due to the interdisciplinary nature of Kinesiology, the field will be covered from a humanities, social science, and life science perspective. 54 hours lecture. AA GE. Transfer: CSU, UC; CSU GE: E; C-ID# KIN 100.

Degree Applicable, Credit Grading Option: OP

Kinesiology Intercollegiate Athletics Courses (KIN)

KIN 31A PRE-SEASON INTERCOLLEGIATE MEN'S BASKETBALL 1-2 UNITS

This course is designed to provide the student with an opportunity to develop the skills and physical conditioning, along with the understanding of basketball at the advanced level in preparation for intercollegiate competition. Skills such as dribbling, passing, shooting, defensive and offensive strategies will be presented and practiced. Team play and sportsmanship are important priorities that are emphasized in this class. Fall semester. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 31B FALL INTERCOLLEGIATE MEN'S BASKETBALL 1.5 UNITS

Basketball training for intercollegiate competition. Daily practice for advanced skill development will occur. Fall semester. 81 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 31C SPRING INTERCOLLEGIATE MEN'S BASKETBALL 1.5 UNITS

Basketball training for intercollegiate competition. Daily practice for advanced skill learning will occur. Spring semester. 81 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 31D OFF SEASON INTERCOLLEGIATE MEN'S BASKETBALL 0.5-2 UNITS

Students will practice the skills of passing, dribbling, shooting, cutting, screening and defensive fundamentals that are necessary for competitive basketball play. Students will learn the governing rules of basketball, learn the appropriate terminology used in basketball and the safety procedures related to the game. 27-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 38A PRE-SEASON INTERCOLLEGIATE MEN'S SOCCER 1-2 UNITS

Students will work on fundamental skills of soccer, such as, kicking, passing, trapping, heading and physical conditioning which are needed for controlled outdoor higher levels of soccer play, discuss and employ basic offensive and defensive strategies and tactics; use and apply the rules governing outdoor soccer play. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 38B INTERCOLLEGIATE MEN'S SOCCER 3 UNITS

Training for soccer competition at the collegiate level. Practice will take place which will include training students to perform at the college competitive level for the Coast Conference Soccer League of Northern California. Prepares the individual for intercollegiate competition in the sport of soccer using such skills as passing, receiving and heading as well as offensive and defensive strategies. Students must meet California Community College eligibility requirements as established by the California Commission on Athletics. Strongly Recommended: KIN 38A with a minimum grade of C. 162 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 38C POST SEASON INTERCOLLEGIATE MEN'S SOCCER 1-2 UNITS

Students will learn and develop fundamental to advanced outdoor soccer skills of kicking, passing and conditioning necessary for playing field soccer at an intercollegiate level. Students will learn the rules governing outdoor soccer play. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 40A PRE-SEASON INTERCOLLEGIATE WOMEN'S VOLLEYBALL 1 UNIT

Preseason preparation for intercollegiate competition in the sport of women's volleyball. 54 hours laboratory. AA/AS GE. Transfer: CSU, UC*. Number of times course may be taken for credit: 4. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 40B IN-SEASON INTERCOLLEGIATE WOMEN'S VOLLEYBALL 1-3 UNITS

Intercollegiate competition in the sport of women's volleyball. Strongly Recommended: KIN 40A with a minimum grade of C and/or Ability to demonstrate the following skills: bump, set, spike, serve. 54-162 hours laboratory. AA/AS GE. Transfer: CSU, UC*. Number of times course may be taken for credit: 4. *Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 40C OFF SEASON 1-2 UNITS
INTERCOLLEGIATE WOMEN'S
VOLLEYBALL

Designed to provide a physical, mental, nutritional and instructional conditioning program for the student preparing for and/or interested in being evaluated for the intercollegiate sport of women's volleyball. Strongly Recommended: KIN 40B with a minimum grade of C. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*. Number of times course may be taken for credit: 4. * Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 41A PRE-SEASON 1-2 UNITS
INTERCOLLEGIATE WOMEN'S
BASKETBALL

This course is designed to provide the student with an opportunity to develop the skills and physical conditioning, along with the understanding of basketball at the advanced level in preparation for intercollegiate competition. Skills such as dribbling, passing, shooting, defensive and offensive strategies will be presented and practiced. Team play and sportsmanship are important priorities that are emphasized in this class. Fall semester. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. * Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 41B FALL INTERCOLLEGIATE 1.5 UNITS
BASKETBALL - WOMEN

Training for intercollegiate competition. Daily practice. Fall semester. 81 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. * Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 41C SPRING INTERCOLLEGIATE 1.5 UNITS
BASKETBALL - WOMEN

Training for intercollegiate competition. Daily practice. Spring Semester. 81 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. * Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 41D OFF SEASON 1-2 UNITS
INTERCOLLEGIATE WOMEN'S
BASKETBALL

Students will practice the skills of dribbling, passing, shooting and defense necessary for competitive basketball play; put into practice the governing rules of basketball; learn about the appropriate terminology used in basketball and the safety procedures related to the game. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. * Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 48A PRE-SEASON 1-2 UNITS
INTERCOLLEGIATE WOMEN'S SOCCER

Students will be taught to execute technical skills of soccer in game situations. For example, the techniques of long/short passing, receiving, crossing, shooting, individual and zonal defending. They will compare and contrast various offensive and defensive strategies and systems of play, and identify strengths and weaknesses of various formations. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. * Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 48B INTERCOLLEGIATE ATHLETICS: 3 UNITS
WOMEN'S SOCCER

Instruction and intercollegiate competition is offered in this sport to those students who are selected, based on tryouts, prior to the start of the sport season. Strongly Recommended: KIN 48A with a minimum grade of C. 162 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. * Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 48C OFF SEASON 1-2 UNITS
INTERCOLLEGIATE WOMEN'S SOCCER

Students will practice the skills of kicking, passing, trapping and heading necessary for controlled outdoor soccer play; put into practice the rules governing outdoor soccer play; learn about the appropriate terminology used in soccer and the safety procedures related to the soccer game. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. * Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 50 INTERCOLLEGIATE SWIMMING 3 UNITS
& DIVING

This course is for intercollegiate swimming and diving competition conducted through the NCAA and the CCCAA. Strongly Recommended: KIN SW3 with a minimum grade of C, KIN SWF1 with a minimum grade of C. 162 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. * Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

Degree Applicable, Credit Grading Option: GR

KIN 51 PRE-SEASON TRAINING - 1-2 UNITS
SWIMMING & DIVING

This course is designed to give student-athletes participating in intercollegiate swimming and diving the opportunity to enhance fitness levels and skills prior to competition season. Course content will include technique, aerobic conditioning, race specific training, and dryland/weight training. Strongly Recommended: KIN SW3. 54-108 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. Number of times course may be taken for credit: 4. * Any or all of these PE Activity courses combined: maximum UC credit, 4 units.

important texts and ideas within the global intellectual tradition.

Required Core: Complete at least 18 Units from Below with at least 6 Units from Arts and 6 Units from Humanities (18-22 Units)

Arts

ARHS 1 (Introduction to Art History)3
 ARHS 2 (Art of the Ancient Americas)3
 ARHS 4 (Western Art History - Ancient to Medieval)3
 ARHS 5 (Western Art History - Renaissance to Contemporary)3
 ARHS 7 (Modern Art History)3
 ARHS 8 (Asian Art History)3
 ARTS 2A (Introduction to Drawing)3
 ARTS 2B (Drawing and Composition)3
 ARTS 3A (Figure and Composition I)3
 ARTS 3B (Figure and Composition II)3
 ARTS 3C (Figure and Composition III)3
 ARTS 3D (Figure and Composition IV)3
 ARTS 4A (Introduction to Ceramics)3
 ARTS 7A (Introduction to Watercolor Painting)3
 ARTS 7B (Watercolor Painting)3
 ARTS 7C (Advanced Watercolor Painting I)3
 ARTS 7D (Advanced Watercolor Painting II)3
 ARTS 10 (Design and Materials)3
 ARTS 12A (Oil/Acrylic Painting: Beginning I)3
 ARTS 12B (Oil/Acrylic Painting: Beginning II)3
 ARTS 12C (Oil/Acrylic Painting: Advanced I)3
 ARTS 12D (Oil/Acrylic Painting: Advanced II)3
 ARTS 13A (Acrylic Painting: Beginning I)3
 ARTS 13B (Acrylic Painting: Beginning II)3
 ARTS 13C (Acrylic Painting: Advanced I)3
 ARTS 13D (Acrylic Painting: Advanced II)3
 ARTS 23 (2-D Design)3
 ARTS 24 (3-D Design)3
 ARTS 26 (Color Theory)3
 GDDM 2 (Wordpress and Content Management Systems)3
 GDDM 3 (The History of Modern Design)3
 GDDM 4 (User Interface and User Experience Design)3
 GDDM 40 (Design Shop: The Business of Design)3
 GDDM 45A (Digital Painting I)3
 GDDM 45B (Digital Painting II)3
 GDDM 50 (Graphic Design/Digital Media Fundamentals)3
 GDDM 51 (Color Theory for Design)3
 GDDM 52 (Introduction to Typography)3
 GDDM 53 (Photoshop I)3
 GDDM 54 (Illustrator I)3
 GDDM 55 (Web Design I)3
 GDDM 56 (Introduction to Graphic Design)3
 GDDM 57 (Branding and Identity Design)3
 GDDM 58 (Photoshop II)3
 GDDM 59 (Illustrator II)3
 GDDM 60 (Creative Portfolio Development & Self Promotion)3
 GDDM 62 (Web Design II)3
 GDDM 63 (Website/Multimedia Production)3
 GDDM 64 (InDesign I)3
 GDDM 65 (Elect Prepress/Print Prod)3
 GDDM 67 (InDesign II)3

GDDM 68 (Creative Portfolio Preparation)3
 GDDM 70 (Photoshop and Lightroom for Photographers)3
 MUS 1 (Introduction to Music)3
 MUS 3 (World Music)3
 MUS 4 (Jazz in American Culture)3
 MUS 5 (American Cultures in Music)3
 MUS 6 (Basic Music Skills)2
 MUS 8A (Music Theory and Musicianship 1)4
 MUS 8B (Music Theory and Musicianship 2)4
 MUS 10A (Music Theory and Musicianship 3)4
 MUS 10B (Music Theory and Musicianship 4)4
 MUS 12 (Wind Ensemble)1
 MUS 13 (History of Rock & Roll)3
 MUS 14 (Jazz Workshop)1
 MUS 15 (Jazz Ensemble)1
 MUS 16 (Philharmonic Orchestra)1
 MUS 20A (Elementary Guitar)1
 MUS 20B (Study of Guitar)1
 MUS 20C (Advanced Guitar)1
 MUS 21A (Beginning Piano)1
 MUS 21B (Beginning Piano: Intermediate)1
 MUS 22A (Scoring for Film and Multimedia 1)3
 MUS 22B (Scoring for Film and Multimedia 2)3
 MUS 23A (Elementary Voice I)1
 MUS 23B (Elementary Voice II)1
 MUS 25 (Teaching Beginning Piano)2
 MUS 26 (Methods/Materials/Piano Teachers)2
 MUS 27 (Teaching Intermediate Piano)2
 MUS 28 (Keyboard Skills)1
 MUS 31 (Study of Piano)1
 MUS 33 (Study of Voice)1
 MUS 34 (Music in Film)3
 MUS 35 (Intro to Music Technology)3
 MUS 36 (Intermediate Music Technology)3
 MUS 37 (Music Industry Career Development)3
 MUS 38 (Applied Lessons)1
 MUS 39 (Musical Theater Workshop)2
 MUS 44 (Concert Choir)1
 MUS 45 (Chamber Choir)1
 MUS 46A (Beginning Jazz Choir)1
 MUS 46B (Advanced Jazz Choir)1
 MUS 47 (College Productions-Music)1-5
 MUS 48 (Improvisation Lab)1
 PHTO 50 (Introduction to Photography)3
 PHTO 51A (Individual Projects A)1.5
 PHTO 56 (Introduction to Digital Photography)1.5
 PHTO 57 (Intermediate Digital Photography)1.5
 PHTO 58 (Introduction to Videography)3
 PHTO 60 (Intermediate Black and White Photography)3
 PHTO 64A (Artificial Light Photography)3
 PHTO 66 (Digital Imaging)3
 PHTO 67 (History of Photography)3
 PHTO 68 (Color Field Photography)3
 PHTO 69 (Intermediate Videography)3
 PHTO 70 (Photoshop and Lightroom for Photographers)3
 PHTO 72 (Introduction to Photojournalism)3
 THEA 1A (Theory/Practice of Acting I)3
 THEA 1B (Theory/Practice of Acting II)3
 THEA 3A (Beginning Improvisation)3
 THEA 3B (Intermediate Improvisation)3

THEA 3C (Improvisation in Performance).....	3	HUMN 12 (Culture and the Arts II: The Modern World).....	3
THEA 4 (American Cultures in Theater).....	3	HUMN 28 (World Mythology).....	3
THEA 5 (Theater for Young Audiences).....	3	HUMN 44 (Narrative Film and Film Music).....	3
THEA 10 (Introduction to Dramatic Arts).....	3	ITLN 1A (Beginning Italian).....	5
THEA 11 (Stage to Screen).....	3	ITLN 1B (Elementary Italian).....	5
THEA 12 (Film As Art & Communication).....	4	LIBR 1 (Working with Sources).....	1
THEA 14 (Bay Area Theatre).....	3	LIBR 4 (College Research Techniques).....	0.5
THEA 25 (Fundamentals of Stage Speech).....	3	LIBR 5 (College Research and Databases).....	0.5
THEA 31A (Drama Workshop - Beginning).....	3	LIBR 6 (Research in Special Subjects).....	0.5
THEA 31B (Drama Workshop - Intermediate).....	3	LIBR 7 (The Open Web and Search Engines).....	0.5
THEA 31C (Drama Workshop - Technical Theater).....	3	LIBR 8 (Research and Information Literacy).....	2
THEA 31D (Drama Workshop - Directing).....	3	PHIL 1 (God, Nature, Human Nature).....	3
THEA 39A (Musical Theater Workshop - Beginning).....	4	PHIL 1H (Honors Philosophy 1: God, Nature, Human Nature).....	3
THEA 39B (Musical Theater Workshop - Intermediate).....	4	PHIL 2 (Ethics).....	3
THEA 39C (Musical Theater Workshop - Advanced).....	4	PHIL 2H (Honors Philosophy 2: Ethics).....	3
THEA 41A (Passport to Theater - Non Musical).....	1	PHIL 3 (Aesthetics).....	3
THEA 41B (Advanced Passport to Theater -Musical).....	1	PHIL 4 (Intro to Philosophy: Knowledge).....	3
THEA 47A (Performance in Production: Introduction to Live Performance).....	3	PHIL 5 (Feminist Philosophy).....	3
THEA 47B (Performance in Production: Beginning).....	3	PHIL 6 (Introduction to Logic).....	3
THEA 47C (Performance in Production: Intermediate).....	3	PHIL 8 (Logic and Argumentation).....	4
THEA 47D (Performance in Production: Advanced).....	3	RELS 1 (Religions of the World).....	3
THEA 48A (Technical Theater in Production - Beginning).....	3	RELS 2 (Bible: History and Literature).....	3
THEA 48B (Technical Theater in Production - Intermediate).....	3	RELS 3 (Intro To Women's Spirituality).....	3
THEA 48C (Technical Theater in Production - Advanced).....	3	RELS 11 (The Nature of Islam).....	3
THEA 48D (Technical Theater in Production - Management).....	3	SPAN 1A (Beginning Spanish).....	5
THEA 50 (Stagecraft).....	3	SPAN 1B (Elementary Spanish).....	5
THEA 50L (Introduction to Stage Lighting).....	3	SPAN 2A (Intermediate Spanish I).....	4
THEA 51 (Introduction to Costume Design).....	3	SPAN 2B (Intermediate Spanish II).....	4
THEA 52 (Introduction to Design).....	3	SPAN 21 (Spanish for Spanish Speakers I).....	5
THEA 53 (Script Analysis).....	3	SPAN 22 (Spanish for Spanish Speakers II).....	5
THEA 57A (Performance in Production - Intro to Musical Theater).....	3	SPAN 23 (Introduction to Hispanic Literature).....	3
THEA 57B (Performance in Production - Beginning Musical Theater).....	3	Total Units in the Area of Emphasis	18-22
THEA 57C (Performance in Production -Intermediate Musical Theater).....	3	Additional General Education and Elective Units.....	38-42
THEA 57D (Performance in Production - Advanced Musical Theater).....	3	Total Units	60
WLDT 71 (Welding for the Arts).....	3	See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.	
Humanities			
FREN 1A (Beginning French).....	5	<div style="border: 2px solid #800000; border-radius: 15px; padding: 10px; display: inline-block; background-color: #800000; color: white; font-weight: bold; font-size: 1.2em;">AA – Liberal Arts & Sciences: Business</div>	
FREN 1B (Elementary French).....	5		
FREN 2A (Intermediate French I).....	4		
FREN 2B (Intermediate French II).....	4		
HIST 1 (Western Civilization to 1600).....	3		
HIST 2 (Western Civilization Since 1600).....	3		
HIST 7 (US History Through Reconstruction).....	3		
HIST 8 (US History Post-Reconstruction).....	3		
HIST 14 (History and American Cultures of California).....	3		
HIST 25 (American Indian History).....	3		
HIST 28 (History of American West).....	3		
HIST 32 (U.S. Women's History).....	3		
HUMN 3 (Introduction to Humanities).....	3		
HUMN 4 (Global Cinemas).....	4		
HUMN 6 (Nature and Culture).....	3		
HUMN 7 (Contemporary Humanities).....	3		
HUMN 10 (American Arts and Ideas).....	3		
HUMN 11 (Culture and the Arts I: Ancient World to the Renaissance).....	3		

AA – Liberal Arts & Sciences: Business

About the Degree

The Liberal Arts and Sciences: Business AA courses emphasize the integration of theory and practice within the field of business. Students will develop the ability to effectively manage and lead organizations. Students will demonstrate an understanding of the place of business within the global economy. Students will critically apply ethical standards to business practices and decisions.

Program Outcomes

- Upon completion of the AA in Liberal Arts & Sciences: Business, the student should be able to identify and describe types of business organizations and operations, as well as the

effects of legal environments, when making a selection.

- Upon completion of the AA in Liberal Arts & Sciences: Business, the student should be able to describe the significance of marketing functions including Price, Product, Place and Promotion in a product life cycle.
- Upon completion of the AA in Liberal Arts & Sciences: Business, the student should be able to compare, contrast, and apply ethical standards and use best practices regarding the social responsibility of a business.

Required Core: Select at least 18 Units from Below with at least 3 Units from Two Disciplines (18-20 Units)

BUSN 1A (Financial Accounting).....	4
BUSN 1B (Managerial Accounting).....	4
BUSN 18 (Business Law).....	4
BUSN 20 (International Business).....	3
BUSN 30 (Business Ethics and Society).....	3
BUSN 33 (Personal Financial Management and Planning).....	3
BUSN 40 (Introduction to Business).....	3
BUSN 45 (Entrepreneurship).....	3
BUSN 48 (Human Relations in Organizations).....	3
BUSN 51 (General Accounting).....	3
BUSN 52 (Business Communications).....	3
BUSN 53 (Business Correspondence).....	3
BUSN 56 (Introduction to Management).....	3
BUSN 58 (Small Business Management).....	3
BUSN 61 (Quickbooks Accounting).....	1.5
BUSN 65 (Federal Income Tax Accounting).....	3
BUSN 88 (Human Resources Management).....	3
ECON 1 (Principles of Microeconomics).....	3
ECON 2 (Principles of Macroeconomics).....	3
ECON 5 (Economic History of the United States).....	3
ECON 10 (General Economics).....	3
MKTG 50 (Introduction to Marketing).....	3
MKTG 60 (Retail Store Management).....	3
MKTG 61 (Professional Selling).....	3
MKTG 64 (Introduction to Advertising).....	3

Total Units in the Area of Emphasis 18-20

Additional General Education and Elective Units..... 40-42

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

**AA – Liberal Arts & Sciences:
Computer Science**

About the Degree

The Liberal Arts & Sciences: Computer Studies AA courses emphasize the integration of theory and practice within the field of computer applications, computer networking, and computer science. Students will develop the ability to effectively use computer applications, manage and maintain networks, and develop software applications. Students will demonstrate an understanding of the place of technology within the global economy. Students will critically evaluate the impact of technology on the workplace, on their lives, and on society as a whole.

Program Outcomes

- Upon completion of the AA in Liberal Arts & Sciences: Computer Studies, the student will be able to demonstrate a strong foundation of knowledge in computer hardware, software, networking, and programming.

Required Core: Select at least 18 Units from Below with at least 3 Units from Each Discipline (18-20 Units)

CIS 8 (Essential Computing Skills).....	2
CIS 43 (Professional Communications).....	3
CIS 50 (Intro to Computing Info Tech).....	3
CIS 54 (Excel: Intro to Spreadsheets).....	4
CIS 55 (Integrating Office Applications).....	4
CIS 55B (Advanced MS Office Skills).....	2
CIS 57 (Database Concepts).....	3
CIS 59 (Web Dev: HTML/CSS/Javascript).....	3
CIS 59C (Web Programming - JavaScript).....	3
CIS 60 (Systems Analysis and Design).....	3
CIS 62 (Project Management).....	3
CIS 65 (Introduction to Desktop Operating Systems).....	2
CIS 66 (Networking Fundamentals).....	3
CIS 88A (Introduction to Microsoft Word).....	1.5
CIS 88B (Adv Microsoft Word).....	1.5
CIS 89A (Desktop Presentation).....	1
CIS 89B (Desktop Publishing).....	1
CIS 9001 (Database Design Methodology).....	3
CIS 9002 (ORACLE: Database Design and SQL Programming).....	3
CIS 9003 (ORACLE: Database Programming with PL/SQL).....	3
CNT 43 (Professional Communications).....	3
CNT 50 (Introduction to Desktop Operating Systems).....	2
CNT 51 (CompTIA's A+ Certification Computer Technician).....	4
CNT 52 (Networking Fundamentals).....	3
CNT 54 (Administering Windows Client).....	4
CNT 55 (MCSA I Windows Server Installation, Storage, and Compute).....	3
CNT 56 (MCSA II Networking with Windows Server).....	3
CNT 57 (MCSA III Identity with Windows Server).....	3
CNT 68 (Digital Forensics Fundamentals).....	3
CNT 69 (Network Security; CompTIA Security+ Certification).....	3
CNT 72 (Cisco Bootcamp Certification Prep).....	2
CNT 7285 (Cloud Infrastructure: CompTIA Cloud+ Certification).....	3
CNT 7401 (Intro to Linux/LPI Linux+ Certification).....	3
CNT 7501 (Ethical Hacking).....	3
CNT 7701 (IT Virtualization, Data Centers, VMware Certification).....	3
CNT 8001 (Introduction to Networks (CCNA1)).....	3
CNT 8002 (Routing and Switching Essentials (CCNA2)).....	3
CNT 8003 (Cisco CCNA3 Scaling Networks).....	3

CNT 8004 (Cisco CCNA4 R&S Connecting Networks).....	3
CS 1 (Computing Fundamentals I).....	4
CS 2 (Computing Fundamentals II).....	4
CS 7 (Introduction to Computer Programming Concepts).....	3
CS 20 (Advanced Programming with Data Structures/C++)	4
CS 21 (Computer Organization and Assembly Language Programming).....	4
CS 31 (Java Programming).....	4
CS 41 (Intro to Linux/LPI Linux+ Certification)	3
CS 43 (Professional Communications).....	3
CS 45 (Database Programming).....	4
CS 47 (Capstone Project).....	3

Total Units in the Area of Emphasis 18-20

Additional General Education and Elective Units 40-42

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Liberal Arts & Sciences: Language Arts and Communication

About the Degree

The Liberal Arts and Sciences: Language Arts and Communication AA courses emphasize the content of communication, as well as the form and should provide an understanding of the psychological basis and social significance of communication. Students will be able to assess communication as the process of human symbolic interaction. Students will also develop skills in the areas of reasoning and advocacy, organization, reading and listening effectively. Students will be able to integrate important concepts of critical thinking as related to the development of analytical and critical evaluation, being able to reason inductively and deductively, enabling them to make important decisions regarding their own lives and society at large.

Program Outcomes

- Upon completion of the AA in Liberal Arts & Sciences: Language Arts and Communication, students will be able to apply critical thinking principles to the evaluation of human symbolic interaction.
- Upon completion of the AA in Liberal Arts & Sciences: Language Arts and Communication, students will be able to choose and apply appropriate communication strategies based on consideration of audience and purpose.
- Upon completion of the AA in Liberal Arts & Sciences: Language Arts and Communication, students will be able to recognize and appreciate the value of a multicultural world and of diversity in its many forms.

Required Core: Select at least 18 Units from Below with at least 3 Units from

2 Disciplines (18-19 units)

ASL 1A (American Sign Language I)	3
ASL 1B (American Sign Language II)	3
ASL 2A (American Sign Language III)	3
ASL 2B (American Sign Language IV).....	3
CMST 1 (Fundamentals of Public Speaking)	3
CMST 2 (Oral Interpretation of Literature)	3
CMST 3 (Group Communication)	3
CMST 4 (Introduction to Communication Studies).....	3
CMST 5 (Readers Theater).....	3
CMST 10 (Interpersonal Communication).....	3
CMST 11 (Intercultural Communication).....	3
CMST 46 (Argumentation and Debate)	3
CMST 48 (Activities in Forensics)	1 - 4
ENG 1A (Critical Reading and Composition)	3
ENG 4 (Critical Thinking and Writing about Literature)	3
ENG 7 (Critical Thinking and Writing Across Disciplines)	3
ENG 11 (Introduction to Creative Writing).....	3
ENG 12A (Craft of Writing Fiction)	3
ENG 12B (Craft of Writing Fiction: Intermediate)	3
ENG 13A (Introduction To The Craft of Writing - Poetry)	3
ENG 19A (Journal of Arts, Literature, and Academic Writing A).....	3
ENG 19B (Journal of Arts, Literature, and Academic Writing B).....	3
ENG 20 (Studies in Shakespeare).....	3
ENG 32 (U.S. Women's Literature).....	3
ENG 35 (Modern American Literature).....	3
ENG 41 (Modern World Literature)	3
ENG 44 (Literature of the American West)	3
ENG 45 (Studies in Fiction).....	3
ESL 23 (Advanced Grammar)	3
ESL 24 (Advanced Reading and Composition I).....	6
ESL 25 (Advanced Reading and Composition II)	6
ESL 26 (Advanced Editing).....	3
MSCM 1 (Introduction to Reporting and Newswriting).....	3
MSCM 2 (Journalism: Investigative News).....	3
MSCM 3 (Magazine & Feature Writing).....	3
MSCM 7 (Introduction to Public Relations).....	3
MSCM 14 (Writing and Photo Publication)	1
MSCM 16A (Express College Newspaper A)	3
MSCM 16B (Express College Newspaper B).....	3
MSCM 16C (Express College Newspaper C).....	3
MSCM 16D (Express College Newspaper D)	3
MSCM 17 (Express Editorial Board).....	1
MSCM 19A (Journal of Arts, Literature, and Academic Writing A) .	3
MSCM 19B (Journal of Arts, Literature, and Academic Writing B) .	3
MSCM 32A (Introduction to Radio Production).....	3
MSCM 32B (Intermediate Radio Production)	3
MSCM 33A (Introduction to Television Studio Operations)	3
MSCM 33B (Intermediate Television Studio Operations)	3
MSCM 34A (Naked Magazine: College Magazine A)	3
MSCM 34B (Naked Magazine: College Magazine B).....	3
MSCM 35 (Multimedia Reporting)	3
MSCM 72 (Introduction to Photojournalism)	3
SPAN 23 (Introduction to Hispanic Literature)	3

Total Units in the Area of Emphasis 18-19

Additional General Education and Elective Units 41-42

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Liberal Arts & Sciences: Mathematics and Science

About the Degree

The Liberal Arts & Sciences: Mathematics and Science AA courses emphasize the natural sciences, which examine the physical universe, its life forms and its natural phenomena. Courses in math emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Students will be able to demonstrate an understanding of the methodologies of science as investigative tools. Students will also examine the influence that the acquisition of scientific knowledge has on the development of the world's civilizations.

Program Outcomes

- Upon completion of the AA in Liberal Arts & Sciences: Mathematics and Science, students will be able to apply mathematical and scientific ideas to analyze real-world situations.
- Upon completion of the AA in Liberal Arts & Sciences: Mathematics and Science, the student will read, write, listen to, and speak about mathematical and scientific ideas with understanding.
- Upon completion of the AA in Liberal Arts & Sciences: Mathematics and Science, the student will use appropriate technology and/or tools to enhance their scientific thinking and understanding.
- Upon completion of the AA in Liberal Arts & Sciences: Mathematics and Science, the student will use scientific reasoning to solve problems or conduct research, and assess the reasonableness of their results.

Required Core: Select at least 18 Units from Below with at least 6 Units from Science and 3 Units from Mathematics (18-20 units)

Mathematics

CS 17 (Discrete Mathematical Structures)	4
MATH 1 (Calculus I).....	5
MATH 2 (Calculus II)	5
MATH 3 (Multivariable Calculus).....	5
MATH 5 (Ordinary Differential Equations).....	3.5
MATH 7 (Elementary Linear Algebra)	3.5
MATH 10 (Discrete Mathematical Structures).....	4
MATH 30 (College Algebra for STEM)	4
MATH 33 (Finite Mathematics)	4
MATH 34 (Calculus for Business and Social Sciences).....	5
MATH 39 (Trigonometry).....	4

MATH 40 (Statistics and Probability)	4
MATH 47 (Mathematics for Liberal Arts)	3

Science

ANTR 1 (Biological Anthropology)	3
ANTR 1L (Biological Anthropology Lab).....	1
ANTR 2L (Archaeology Field Lab)	1
ANTR 13 (Introduction to Forensic Anthropology)	3
ASTR 10 (Introduction to Astronomy: The Solar System)	3
ASTR 20 (Introduction to Astronomy: Stars and the Universe).....	3
ASTR 30L (Introduction to Astronomy Lab).....	1
BIO 1A (General Botany).....	5
BIO 1B (General Zoology)	5
BIO 1C (Cell and Molecular Biology)	5
BIO 7A (Human Anatomy)	5
BIO 7B (Human Physiology)	5
BIO 7C (Microbiology)	5
BIO 10 (Introduction to the Science of Biology)	4
BIO 20 (Contemporary Human Biology).....	3
BIO 30 (Introduction to College Biology).....	4
BIO 40 (Humans and the Environment).....	3
BIO 50 (Anatomy and Physiology).....	4
BIO 60 (Marine Biology)	4
BIO 70 (Field Biology)	3
CHEM 1A (General College Chemistry I).....	5
CHEM 1B (General College Chemistry II).....	5
CHEM 12A (Organic Chemistry I)	5
CHEM 12B (Organic Chemistry II)	5
CHEM 30A (Intro and Applied Chemistry I).....	4
CHEM 30B (Intro and Applied Chemistry II)	4
CHEM 31 (Intro to College Chemistry)	4
EVST 5 (Energy and Sustainability)	3
GEOG 1 (Introduction to Physical Geography).....	3
GEOG 1L (Introduction to Physical Geography Laboratory)	1
GEOG 8 (Introduction to Atmospheric Science)	3
GEOG 12 (Geography of California)	3
GEOL 1 (Physical Geology)	3
GEOL 1L (Physical Geology Laboratory).....	1
GEOL 2 (Historical Geology with Lab)	4
GEOL 5 (Environmental Geology: Hazards & Disasters).....	3
GEOL 7 (Environmental Geology: Resources, Use Impact & Pollution).....	3
GEOL 12 (Introduction to Oceanography).....	3
GEOL 12L (Intro to Oceanography Lab).....	1
PHYS 1A (General Physics I)	5
PHYS 1B (General Physics II)	5
PHYS 1C (General Physics III).....	5
PHYS 1D (General Physics IV).....	3
PHYS 2A (Introduction to Physics I)	4
PHYS 2B (Introduction to Physics II)	4
PHYS 10 (Descriptive Physics)	3
PHYS 10L (Descriptive Physics Lab).....	1
PSYC 4 (Brain, Mind, and Behavior)	3

Total Units in the Area of Emphasis 18-20

Additional General Education and Elective Units..... 40-42

Total Units 60

See the Las Positas College General Education Pattern for Associate

of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Liberal Arts & Sciences: Social and Behavioral Sciences

About the Degree

The Liberal Arts & Sciences: Social and Behavioral Sciences AA courses emphasize the perspective, concepts, theories and methodologies of the disciplines typically found in the vast variety of disciplines that comprise study in the Social and Behavioral Sciences. Students will study about themselves and others as members of a larger society. Topics and discussion to stimulate critical thinking about ways people have acted in response to their societies will allow students to evaluate how societies and social subgroups operate.

Program Outcomes

- Upon completion of the AA in Liberal Arts & Sciences: Social and Behavioral Sciences, the student should be able to apply basic social scientific methods to investigate the relationships among individuals, cultures, and societies.
- Upon completion of the AA in Liberal Arts & Sciences: Social and Behavioral Sciences, the student should be able to describe the major concepts, theoretical perspectives, empirical findings, and historical trends in the social science disciplines.
- Upon completion of the AA in Liberal Arts & Sciences: Social and Behavioral Sciences, the student should be able to identify the major ideas, values, beliefs, and experiences that have shaped human history and cultures.

Required Core: Select at least 18 Units from Below with at least 3 Units from 3 Disciplines (18-20 Units)

AJ 50 (Intro to Admin of Justice)3
 AJ 54 (Investigative Reporting)3
 AJ 55 (Intro to Correctional Science)3
 AJ 56 (Fundamentals of Crime and Delinquency)3
 AJ 59 (Child Abuse in the Community)3
 AJ 60 (Criminal Law)3
 AJ 61 (Evidence)3
 AJ 63 (Criminal Investigation)3
 AJ 64 (Patrol Procedures)3
 AJ 66 (Juvenile Procedures)3
 AJ 68 (Police Ethics and Leadership)3
 AJ 69 (Sex Crime Investigation)3
 AJ 70 (Community Relations)3
 AJ 71 (Narcotics & Drug Enforcement)3
 AJ 74 (Gangs and Drugs)3
 AJ 88 (The Police and Hollywood)3
 AJ 89 (Family Violence)3
 ANTR 1 (Biological Anthropology)3
 ANTR 2 (Introduction to Archaeology)3

ANTR 3 (Cultural Anthropology)3
 ANTR 4 (Language and Culture)3
 ANTR 5 (Cultures of the U.S. in Global Perspective)3
 ANTR 6 (Anthropology of Sex and Gender)3
 ANTR 7 (Native American Cultures of North America)3
 ANTR 8 (World Prehistory In Archaeological Perspective)3
 ANTR 12 (Magic/Religion/Witchcraft/Healing)3
 ANTR 13 (Introduction to Forensic Anthropology)3
 ECE 15 (Abnormal Child Psychology)3
 ECE 40 (Social and Emotional Foundations for Early Learning)3
 ECE 54 (Child Health, Safety and Nutrition)3
 ECE 56 (Child Growth and Development)3
 ECE 60 (Introduction to the Young Child With Exceptional Needs)3
 ECE 61 (Literature for the Young Child)3
 ECE 62 (Child, Family and Community)3
 ECE 74 (Child Guidance)2
 ECE 79 (Teaching in a Diverse Society)3
 ECON 1 (Principles of Microeconomics)3
 ECON 2 (Principles of Macroeconomics)3
 ECON 5 (Economic History of the United States)3
 ECON 10 (General Economics)3
 ENG 32 (U.S. Women's Literature)3
 ENG 44 (Literature of the American West)3
 GEOG 2 (Cultural Geography)3
 GEOG 5 (World Regional Geography)3
 GEOG 12 (Geography of California)3
 GS 1 (Introduction to Global Studies)3
 GS 2 (Global Issues)3
 HIST 1 (Western Civilization to 1600)3
 HIST 2 (Western Civilization Since 1600)3
 HIST 7 (US History Through Reconstruction)3
 HIST 8 (US History Post-Reconstruction)3
 HIST 14 (History and American Cultures of California)3
 HIST 25 (American Indian History)3
 HIST 28 (History of American West)3
 HIST 32 (U.S. Women's History)3
 HLTH 1 (Introduction to Personal Health)3
 HLTH 3 (Women's Health)3
 HLTH 7 (Introduction to Public Health)3
 HLTH 11 (Health and Social Justice)3
 MSCM 5 (Introduction to Mass Communications)3
 MSCM 31 (Introduction to Media)3
 POLI 7 (Introduction to American Government)4
 POLI 12 (Introduction to California State and Local Government)3
 POLI 20 (Comparative Government)3
 POLI 25 (Introduction to Political Theory)3
 POLI 30 (International Relations)3
 PCN 3 (Theories And Concepts Of Counseling: An Introduction)3
 PCN 5 (Introduction to Social Work and Human Services)3
 PCN 6 (Introduction to Case Management for Human Services)3
 PCN 8 (Theories and Concepts of Group Process)3
 PCN 13 (Multicultural Issues in Contemporary America)3
 PSYC 1 (General Psychology)3
 PSYC 3 (Introduction to Social Psychology)3
 PSYC 4 (Brain, Mind, and Behavior)3
 PSYC 6 (Abnormal Psychology)3
 PSYC 10 (Psychology of Human Sexuality)3
 PSYC 12 (Life-Span Psychology)3
 PSYC 13 (Psychology of Women)3

PSYC 15 (Abnormal Child Psychology)	3
PSYC 17 (The Psychology of Sleep and Dreams)	3
PSYC 21 (Introduction to Cross-Cultural Psychology)	3
PSYC 25 (Research Methods)	4
PSYC 27 (Introduction to Cognitive Science)	3
SOC 1 (Principles of Sociology)	3
SOC 3 (Cultural and Racial Minorities)	3
SOC 4 (Marriage and Family Relations)	3
SOC 5 (Introduction to Global Studies)	3
SOC 6 (Social Problems)	3
SOC 7 (Sociology of Sexuality)	3
SOC 11 (Sociology of Gender)	3
SOC 12 (Popular Culture)	3
SOC 13 (Research Methods)	4
WMST 1 (Introduction to Women's Studies)	3
WMST 2 (Global Perspective of Women)	3

Total Units in the Area of Emphasis 18-20

Additional General Education and Elective Units..... 40-42

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

LIBRARY STUDIES

Library Studies are for students doing research projects, transferring to a four-year college, or wanting to locate sources of information in a more efficient manner. These classes teach the research process, including location, evaluation, and citation of sources from the library catalog, the library databases, and the web. Students transferring to a four-year college will be expected to have these research skills.

Library Studies Courses (LIBR)

LIBR 1 WORKING WITH SOURCES 1 UNIT

Introduction to using sources as supporting documentation in a college level research project. Teaches the skills needed to successfully find, evaluate, use, cite, and document information using library and open web sources. Focus on identifying appropriate sources and proper use of sources. Students will learn to distinguish between source types, how to avoid plagiarism, and how to use sources in their research projects. 18 hours lecture. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

LIBR 4 COLLEGE RESEARCH TECHNIQUES 0.5 UNITS

Introduction to basic research techniques in a college library. Focus is on use of the library catalog, search strategies, organization of materials in the library including reference, faculty reserves, circulating books, audiovisuals, use of reference materials, evaluation of relevant resources, recognition of plagiarism, and bibliographic

citation of books, audiovisuals, and magazines and journals. 9 hours lecture. Transfer: CSU, UC*. *LIBR 4, 5, 6, 7, and 8 combined: maximum UC credit, one course.

Degree Applicable, Credit Grading Option: P/NP

LIBR 5 COLLEGE RESEARCH AND DATABASES 0.5 UNITS

Introduction to research techniques in a college library using general research databases. Focus on campus and remote use of multi-disciplinary research databases, search strategies, distinction between scholarly journals and popular magazines, evaluation of relevant resources, recognition of plagiarism, and bibliographic citation of articles from magazine, journal, and newspaper databases. 9 hours lecture. Transfer: CSU, UC*. *LIBR 4, 5, 6, 7, and 8 combined: maximum UC credit, one course.

Degree Applicable, Credit Grading Option: P/NP

LIBR 6 RESEARCH IN SPECIAL SUBJECTS 0.5 UNITS

Introduction to college library research techniques in a specific subject area. Focus on campus and remote use of subject databases, emphasis on discipline specific physical and electronic resources, search strategies, evaluation of relevant resources, distinction between scholarly journals and popular magazines, discussion of plagiarism, and bibliographic citation of materials. 9 hours lecture. Transfer: CSU, UC*. *LIBR 4, 5, 6, 7, and 8 combined: maximum UC credit, one course.

Degree Applicable, Credit Grading Option: P/NP

LIBR 7 THE OPEN WEB AND SEARCH ENGINES 0.5 UNITS

Introduction to research techniques in a college library using search engines to find materials on the open web. Focus on use of the open web for research purposes, including web search strategies, appropriate search engines and directories, evaluation techniques for web resources, recognition of plagiarism, and bibliographic citation of web resources. 9 hours lecture. Transfer: CSU, UC*. *LIBR 4, 5, 6, 7, and 8 combined: maximum UC credit, one course.

Degree Applicable, Credit Grading Option: P/NP

LIBR 8 RESEARCH AND INFORMATION LITERACY 2 UNITS

Introduction to research techniques using college library resources. Teaches the skills needed to successfully find, evaluate, and document information in print, electronic, and Internet formats. Covers plagiarism, the ethical and legal aspects of information use, and the critical thinking skills necessary for successful college research. 36 hours lecture. Transfer: CSU, UC*. *LIBR 4, 5, 6, 7, and 8 combined: maximum UC credit, one course.

Degree Applicable, Credit Grading Option: OP

LIBR 29 INDEPENDENT STUDY, LIBRARY STUDIES 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

MARKETING

Marketing consists of activities that direct the flow of goods and services from producer to consumer. This may include product development, retail management, distribution, advertising, and personal selling. This broad field offers many employment opportunities and the course offerings at Las Positas College provide students a solid foundation and preparation for entry level marketing positions. Students may pursue courses, degrees and certificates to upgrade skills and prepare them for work or transfer to a four-year college or university.

Programs of Study

Degrees:

- AA – Marketing

Certificates of Achievement:

- Retailing

AA – Marketing

About the Degree

The Associate in Arts in Marketing is a general business degree for those who want to pursue entry-level jobs in marketing. In addition to advertising and promotion, the field of marketing involves everything from researching whether a new product is needed, to labeling, packaging, transportation, warehousing, merchandising and sales. Entry-level marketing positions exist in manufacturing, service firms, wholesalers, retailers, advertising agencies, consulting firms and private and public non-profit organizations. This degree provides students with an understanding of business operations, including determining the demand for products and services to be offered by a firm and the identification of appropriate target markets to construct a detailed marketing plan. Courses prepare students for studying business at most universities. This program fulfills typical lower-division requirements at baccalaureate institutions. Counselors will assist students in preparing a comprehensive Student Education Plan that will prepare them to transfer to the university of their choice. Counselors will also advise students on the general education plan that best prepares them for future transfer.

Career Opportunities

Entry-level jobs exist in manufacturing, service firms, wholesalers, retailers, advertising agencies, consulting firms and private and public non-profit organizations.

Program Outcomes

- Upon completion of the AA in Marketing, students will be able to compare and contrast the processes used to determine the (1) demand for products and services to be offered by a firm and the (2) identification of appropriate target markets.
- Upon completion of the AA in Marketing, students will be able to construct a detailed marketing plan, which includes all

aspects of the marketing mix.

- Upon completion of the AA in Marketing, students will be able to demonstrate knowledge of business operations, the business organization, business environments, and business procedures.
- Upon completion of the AA in Marketing, students will be able to detail available pricing strategies and prepare comparisons of strategies to achieve a firm's market objectives.

Required Core: (19 Units)

BUSN 18 (Business Law).....	4
BUSN 55 (Business Mathematics).....	3
BUSN 40 (Introduction to Business).....	3
CIS 50 (Intro to Computing Info Tech).....	3
MKTG 50 (Introduction to Marketing)	3
MKTG 61 (Professional Selling)	3

List A: Select One Course from Each Area (13-16 Units)

Area 1

BUSN 1A (Financial Accounting).....	4
BUSN 51 (General Accounting).....	3

Area 2

BUSN 48 (Human Relations in Organizations).....	3
BUSN 52 (Business Communications).....	3
BUSN 53 (Business Correspondence).....	3

Area 3

ECON 2 (Principles of Macroeconomics)	3
ECON 10 (General Economics)	3

Area 4

MKTG 56 (Retail Strategies)	3
MKTG 64 (Introduction to Advertising).....	3

Area 5

BUSN 56 (Introduction to Management)	3
WRKX 94 (Occupational Work Experience/Internship)	1-3
WRKX 95 (General Work Experience)	1-3

Total Units for the Major 32-35

Additional General Education and Elective Units 25-28

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Retailing

About the Certificate

The Certificate of Achievement in Retailing provides a detailed focus on the retailing efforts of products and services with the objective of meeting and exceeding consumer's expectations and engaging consumers for the long term. This certificate provides students with the knowledge needed in the various retail marketing environments. Students learn the fundamentals of marketing goods and services in the B2C and B2B environments. This certificate provide students with essential knowledge concerning retailing, including effective operations, retail structure, non-store retailing, and upcoming trends. The Retailing Certificate is designed for individuals with career interests in the retail management field or those seeking to enhance existing knowledge and skills.

Career Opportunities

Retail is a growing fast paced, and diverse industry with many opportunities for career advancement. Careers are available in all areas of business. Opportunities for retailing professionals are growing exponentially due to the rapidly expanding retail platforms. The Bureau of Labor Statistics indicates that the field employs over 42 million people and is responsible for 1 in 4 jobs in the United States. Projections indicate the field will be viable over the next 20 years. Career options include positions in merchandising, independent small retailer management, online engagement specialists, display positions, and others.

Program Outcomes

- Upon completion of the Certificate of Achievement in Retailing, students will be able to compare and contrast the various pricing strategies.
- Upon completion of the Certificate of Achievement in Retailing, students will be able to determine the demand for products and services offered by a firm and identify potential customers.
- Upon completion of the Certificate of Achievement in Retailing, students will be able to develop pricing strategies with the goal of maximizing the firm's profits and/or market share while ensuring customer satisfaction.
- Upon completion of the Certificate of Achievement in Retailing, students will be able to explain promotional mixes and effective strategies for each.
- Upon completion of the Certificate of Achievement in Retailing, students will be able to identify distinctions between distribution channels.
- Upon completion of the Certificate of Achievement in Retailing, students will be able to identify the primary business operations, business organizational options, and business procedures.
- Upon completion of the Certificate of Achievement in Retailing, students will be able to list resources and strategies for monitoring trends which help identify the need for new products and services.
- Upon completion of the Certificate of Achievement in Retailing, students will be able to summarize measures that can be taken by individuals and organizations to correct organizational dysfunctions.

Required Core: (19 Units)

BUSN 48 (Human Relations in Organizations).....	3
CIS 55 (Integrating Office Application)	4
MKTG 50 (Introduction to Marketing)	3
MKTG 56 (Retail Strategies)	3
MKTG 61 (Professional Selling)	3
MKTG 64 (Introduction to Advertising)	3

List A: Select One (3 Units)

BUSN 52 (Business Communications).....	3
CMST 1 (Fundamentals of Public Speaking)	3

List B: Select One (3-6 Units)

WRKX 94 (Occupational Work Experience/Internship)	3 - 6
WRKX 95 (General Work Experience)	3 - 6

Total Units 25-28

Marketing Courses (MKTG)

MKTG 50 INTRODUCTION TO MARKETING 3 UNITS

Marketing as a value exchange process involving all societal members; an overview of product development, pricing, placement, and promotion; Target markets including the demographic and behavioral dimensions of markets; analyses of marketing placement and pricing strategies and the social, cultural, economic, competitive and legal factors affecting marketing mix decisions. Strongly Recommended: ENG 1A with a minimum grade of C. 54 hours lecture. Transfer: CSU; CSU GE: D7.

Degree Applicable, Credit Grading Option: OP

MKTG 56 RETAIL STRATEGIES 3 UNITS

An overview of marketing in the retail industry. Developing business strategies appropriate to consumers' behavior and preferences. An examination of various brick-and-mortar, online, and brick/clicks options. Applying the principles of persuasion in image development for Internet retailing and visual merchandising. Developing a successful plan for utilizing social media. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MKTG 60 RETAIL STORE MANAGEMENT 3 UNITS

Profitably starting and managing a retail business. Operational strategies regarding site identification and selection, buying alternatives, pricing options, merchandising strategies, staffing, financial, cash and risk management, point of sale considerations, and information systems. Strongly Recommended: BUSN 53 with a minimum grade of C, MKTG 50 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MKTG 61 PROFESSIONAL SELLING 3 UNITS

Principles and techniques involved in selling products, ideas, and/or services. Focus is on building relationships with others, identifying the reasons a purchase decision may be made. Includes buying motives, communication options, developing commonalities, sales call planning, ethics, follow-up contacts, and customer service.

Interactions for face-to-face and online encounters; professional and technical products; consultants; and anyone wanting to improve their interactions with others. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MKTG 64 INTRODUCTION TO ADVERTISING 3 UNITS

An examination of the major aspects of modern advertising and its position as one of the components of integrated marketing communications. This course explores the expanding options of advertising media. Key areas explored include the social and economic role of advertising, research, planning of the media campaign, media planning, strategy selection and integration with other elements of the marketing mix. This course provides an introduction to the fundamentals of advertising with emphasis on conceptual process and development, and basic advertising methodologies and techniques. Emphasis is on the application of advertising principles, planning, and design. Strongly Recommended: MKTG 50 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MASS COMMUNICATIONS

The Mass Communications program provides students with a broad understanding of the principles, roles, techniques, and effects of media in society. Students use these principles to produce media for student media outlets, including the newspaper, the radio station, the journalistic magazine, the literary magazine, and related multimedia forums. Students who earn a degree or certificate in Mass Communications may enter the workforce or transfer to a four-year school. The program includes two degrees and two certificates, allowing students to select the career or transfer pathway best suited to their educational goals.

Programs of Study

Degrees:

- AA-T – Journalism
- AA – Mass Communications

Certificates of Achievement:

- Mass Communications: Journalism

Certificates of Accomplishment:

- Mass Communications: Radio Communications

Career Opportunities

The Mass Communications degree program provides specific hands-on training that will prepare students for immediate job entry, especially involving broadcast technology. Mass Communications majors often successfully pursue careers in media, such as reporting, public relations, print production, copy editing, broadcasting, videography, and photography.

AA-T – Journalism

About the Degree

The Associate in Arts in Journalism for Transfer is based on the Transfer Model Curriculum for Journalism. Upon successful completion of the program requirements, students will have guaranteed admission to some California State University (CSU) campuses. The Associate in Arts in Journalism for Transfer provides students with a broad understanding of the principles, roles, techniques, and effects of media in society as well as experience in the application of these principles to the student media. The broad-based focus of the program serves to hone and refine students' reading, writing, speaking, cultural literacy, and critical thinking skills, enabling them to succeed in an academic environment or in the workplace and providing specific hands-on skills.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education – Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Career Opportunities

The information on the Labor Market Index web site indicates that three areas, Editors, Reporters and Correspondents, and Writers and Authors, are especially well-served by a Mass Communications degree. In recent years, social media and online media have provided career opportunities for many Mass Communications graduates.

Program Outcomes

- Upon completion of the AA-T in Journalism, the student will be able to develop a broad understanding of the principles, roles, techniques, and effects of media in society.
- Upon completion of the AA-T in Journalism, the student will be able to gain experience in production of the student media.
- Upon completion of the AA-T in Journalism, the student will be able to prepare for careers in media and related fields.

Required Core: (9 Units)

MSCM 1 (Introduction to Reporting and Newswriting).....	3
MSCM 5 (Introduction to Mass Communications).....	3
MSCM 16A (Express College Newspaper A)	3

List A: Select One (3 Units)

MSCM 35 (Multimedia Reporting).....	3
MSCM 7 (Introduction to Public Relations).....	3
MSCM 72 (Introduction to Photojournalism) or PHTO 72 (Documentary Photography)	3
MSCM 16B (Express College Newspaper B)	3

List B: Select Two (6-7 Units)

ECON 1 (Principles of Microeconomics) or ECON 2 (Principles of Macroeconomics)	3
ENG 1A (Critical Reading and Composition)	3
ENG 7 (Argumentation Writing and Critical Thinking)	3
MATH 40 (Statistics and Probability)	4
MSCM 31 (Introduction to Media)	3
PHIL 2 (Ethics)	3
PHIL 6 (Introduction to Logic).....	3
SOC 1 (Principles of Sociology)	3

Total Units for the Major 18-19

Additional General Education and Elective Units..... 41-42

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Mass Communications

Program Outcomes

- Upon completion of the AA in Mass Communications, the student will be able to demonstrate an understanding of different aspects of the role of media in society through research and writing.
- Upon completion of the AA in Mass Communications, the student will be able to participate in the creation of student media, following a timeline for production, editing and formatting content, and publishing and distributing.

Required Core: (24 Units)

ENG 1A (Critical Reading and Composition)	3
MSCM 1 (Introduction to Reporting and Newswriting).....	3
MSCM 5 (Introduction to Mass Communications).....	3
MSCM 7 (Introduction to Public Relations).....	3
MSCM 31 (Introduction to Media)	3
MSCM 35 (Multimedia Reporting)	3
MSCM 72 (Introduction To Photojournalism) or PHTO 72 (Introduction To Photojournalism).....	3
PHIL 2 (Ethics)	3

List A: Select One (3 Units)

MSCM 2 (Journalism: Investigative News).....	3
MSCM 3 (Magazine and Feature Writing)	3

List B: Select from Below (9 Units)

MSCM 16A (Express College Newspaper A)	3
MSCM 17 (Express Editorial Board).....	1
MSCM 19A (Las Positas Literary Anthology A) or ENG 19A (Las Positas Literary Anthology A)	3
MSCM 32A (Introduction to Radio Production).....	3
MSCM 32B (Intermediate Radio Production)	3
MSCM 33A (Introduction to Television Studio Operations)	3
MSCM 33B (Intermediate Television Studio Operations)	3
MSCM 34 (Magazine Editing and Prod)	3

Total Units for the Major 36

Additional General Education and Elective Units..... 24

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree

program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Mass Communications: Journalism

About the Certificate

The Las Positas College Certificate of Achievement in Mass Communications: Journalism provides specific hands-on training that will prepare students for immediate job entry, especially involving broadcast and technology. The certificate has a broad-based focus that services to hone and refine students' reading, writing, speaking, cultural literacy, and critical thinking skills, enabling them to succeed in an academic environment or in the workplace.

Career Opportunities

The certificate in Mass Communications: Journalism provides a solid foundation and preparation for entry-level careers in reporting, public relations, print production, copyediting, broadcasting, videography, photography, and media technology.

Program Outcomes

- Upon completion of the Certificate of Achievement in Mass Communications: Journalism, the student will be able to demonstrate an understanding of different aspects of the role of media in society through research and writing.
- Upon completion of the Certificate of Achievement in Mass Communications: Journalism, the student will be able to participate in the creation of student media, following a timeline for production, editing and formatting content, and publishing and distributing.
- Upon completion of the Certificate of Achievement in Mass Communications: Journalism, the student will be able to recognize, acquire, produce, and distribute content for the weekly college newspaper, The Express, demonstrating increasing understanding of standards of journalism and design.

Required Core: (18 Units)

ENG 1A (Critical Reading and Composition)	3
MSCM 1 (Introduction to Reporting and Newswriting)	3
MSCM 16A (Express College Newspaper A)	3
MSCM 16B (Express College Newspaper B)	3
MSCM 35 (Multimedia Reporting)	3
MSCM 72 (Introduction to Photojournalism) or PHTO 72 (Introduction to Photojournalism)	3

List A: Select from Below (12 Units)

MSCM 2 (Journalism: Investigative News)	3
MSCM 3 (Magazine & Feature Writing)	3
MSCM 7 (Introduction to Public Relations)	3
MSCM 14 (Writing and Photo Publication)	1
MSCM 17 (Express Editorial Board)	1
MSCM 34A (Naked Magazine: College Magazine A)	3
MSCM 19A (Las Positas Literary Anthology A) or ENG 19A (Las Positas Literary Anthology A)	3

MSCM 19B (Literary Magazine B) or ENG 19B (Literary Magazine B)	1.5-2
WRKX 95 (General Work Experience)	1-6
GDDM 64 (InDesign I)	3

List B: Select One (3 Units)

MSCM 5 (Introduction to Mass Communications)	3
MSCM 31 (Introduction to Media)	3

Total Units 33

Certificate of Accomplishment Mass Communications: Radio Communications §

About the Certificate

The Certificate of Accomplishment in Mass Communications: Radio Communications provides students with production and performance skills, as well as a background in communication for entry-level employment in radio.

Program Outcomes

- Upon completion of the Certificate of Accomplishment in Radio Communications, the student will be able to create a marketing plan for all potential advertising clients as a web presence and use metrics such as adsense and metatags to show high web traffic for buyers.
- Upon completion of the Certificate of Accomplishment in Radio Communications, the student will use an all-digital environment, using multi-platform sources to be able to deliver media in a high definition, streaming, mobile media in all broadcasting mediums.

Required Core: (6 Units)

MSCM 32A (Introduction to Radio Production)	3
MSCM 32B (Intermediate Radio Production)	3

List A: Select One (3 Units)

CMST 1 (Fundamentals of Public Speaking)	3
MUS 1 (Introduction to Music)	3
THEA 1A (Theory/Practice of Acting I)	3
THEA 25 (Fundamentals of Stage Speech)	3

List B: Select One (3 Units)

MSCM 1 (Introduction to Reporting and Newswriting)	3
MSCM 7 (Introduction to Public Relations)	3

List C: Select One (3 Units)

MSCM 5 (Introduction to Mass Communications)	3
MSCM 31 (Introduction to Media)	3

Total Units 15

§ This certificate is not transcripted. This group of courses provides industry-based professional development. Individual courses will appear on transcript. See a counselor for further information.

Mass Communication Courses (MSCM)

MSCM 1 INTRODUCTION TO REPORTING AND NEWSWRITING 3 UNITS

An introduction to gathering, synthesizing/ organizing, and writing news in journalistic style across multiple platforms. Includes role of the journalist, analysis of exemplary journalistic models, and related legal and ethical issues. Students will report and write based on their original interviews and research to produce news content. Experiences may include covering speeches, meetings, and other events, writing under deadline and use of AP Style. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU; C-ID# JOUR 110.

Degree Applicable, Credit Grading Option: OP

MSCM 2 JOURNALISM: INVESTIGATIVE NEWS 3 UNITS

News and feature writing, emphasizing investigative reporting, research techniques, and story presentation. Strongly Recommended: ENG 1A. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

MSCM 3 MAGAZINE & FEATURE WRITING 3 UNITS

Feature writing, freelance journalism, and how to get published in newspapers and magazines. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MSCM 5 INTRODUCTION TO MASS COMMUNICATIONS 3 UNITS

Survey of mass communication and the interrelationships of media with society, including history, structure, and trends in a digital age. Discussion of theories and effects, economics, technology, law and ethics, global media, media literacy, and social issues, including gender and cultural diversity. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC*; CSU GE: D7; IGETC: 4G; C-ID# JOUR 100. *MSCM 5 and 31 combined: maximum UC credit, one course.

Degree Applicable, Credit Grading Option: OP

MSCM 7 INTRODUCTION TO PUBLIC RELATIONS 3 UNITS

Introduction to the principles, history, development, and professional practice of modern public relations. Includes concepts of planning and executing effective communication strategies, including message design and distribution, for any organization. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. Transfer: CSU; C-ID# JOUR 150.

Degree Applicable, Credit Grading Option: OP

MSCM 14 WRITING AND PHOTO PUBLICATION 1 UNIT

Journalism, photojournalism, content development, and production

for the college newspaper. 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MSCM 16A EXPRESS COLLEGE NEWSPAPER A 3 UNITS

An applied course in which students practice and refine beginning journalism skills, including recognizing, acquiring, producing, and distributing content for the print and online editions of the student newspaper, the Express. The focus of study is on basic news, feature, and opinion stories. Students are introduced to concepts related to photojournalism, business management, graphic arts, design, social media, and leadership and editing skills. The course includes ethical, practical, and legal issues in journalism. Strongly Recommended: Eligibility for ENG 1A. 18 hours lecture, 108 hours laboratory. Transfer: CSU; C-ID# JOUR 130.

Degree Applicable, Credit Grading Option: OP

MSCM 16B EXPRESS COLLEGE NEWSPAPER B 3 UNITS

An applied course in which students practice and refine intermediate journalism skills, including recognizing, acquiring, producing, and distributing content for the print and online editions of the student newspaper, the Express. Focus is on in-depth news, feature and opinion stories. Students develop intermediate abilities in photojournalism, business management, graphic arts, design, social media, and leadership and editing skills. The course includes ethical, practical, and legal issues in journalism. Prerequisite: MSCM 16A with a minimum grade of C. Strongly Recommended: Eligibility for ENG 1A. 18 hours lecture, 108 hours laboratory. Transfer: CSU; C-ID# JOUR 131.

Degree Applicable, Credit Grading Option: OP

MSCM 16C EXPRESS COLLEGE NEWSPAPER C 3 UNITS

An applied course in which students practice and refine advanced journalism skills, including recognizing, acquiring, producing, and distributing content for the print and online editions of the student newspaper, the Express. Focus is on leadership, editing the work of others, improving writing and multimedia skills, and improving the Express. Enhanced leadership role includes outreach to the community and representation as journalist and leader at events. Students develop advanced abilities in writing, photojournalism, business management, graphic arts, design, social media, and leadership and editing skills. Students will produce newscasts, an infographics, and reader surveys. The course includes ethical, practical, and legal issues in journalism. Students should serve in a leadership role. Prerequisite: MSCM 16B with a minimum grade of C. 18 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MSCM 16D EXPRESS COLLEGE NEWSPAPER D 3 UNITS

An applied capstone course in which students practice and refine advanced journalism skills, including recognizing, acquiring, producing, and distributing content for the print and online editions of the student newspaper, the Express. Focus is on completing a portfolio project, exploring career opportunities in the field, leading

others, editing the work of others, improving writing and multimedia skills, and improving the Express. Students work to develop advanced abilities in writing, photojournalism, business management, graphic arts, design, social media, leadership, and editing skills. The course includes ethical, practical, and legal issues in journalism. Student assumes a leadership role and create workshops to benefit other staff members. Prerequisite: MSCM 16C with a minimum grade of C. 18 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MSCM 17 EXPRESS EDITORIAL BOARD 1 UNIT

The roles and responsibilities of leaders on the college newspaper, the Express. Practical experience participating in editorial board meetings, setting policy for the newspaper, and leading in the decision-making process for issue planning, budgeting, and the development of the newspaper. Enrollment is limited to student leaders on the Express. Strongly Recommended: Eligibility for ENG 1A. 18 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MSCM 19A JOURNAL OF ARTS, LITERATURE AND ACADEMIC WRITING A 3 UNITS

Creation of a literary-style student magazine. Practical training in the managing, editing, formatting, and printing of a literary magazine. Enrollment constitutes the staff of the magazine. Cross listed with ENG 19A. A student who has successfully completed ENG 19A cannot enroll in MSCM 19A. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MSCM 19B JOURNAL OF ARTS, LITERATURE AND ACADEMIC WRITING B 3 UNITS

Creation of a literary-style student magazine. Practical intermediate-level training in the managing, editing, formatting, and printing of a literary supplement and/or magazine with a focus on the production process, including copy editing, design, layout, proofreading, working with the printer, and digital and print distribution. Enrollment constitutes the staff of the magazine. A student who has completed ENG 19B cannot enroll in MSCM 19B. Prerequisite: MSCM 19A with a minimum grade of C or ENG 19A with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MSCM 29 INDEPENDENT STUDY, MASS COMMUNICATIONS 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

MSCM 31 INTRODUCTION TO MEDIA 3 UNITS

A survey of radio, television, film, and multimedia and their impact on culture and society; includes economics, technological development, programming, ratings, legal aspects, and social control of broadcasting in America, and cross-cultural, international comparisons. Strongly Recommended: Eligibility for ENG 1A.

54 hours lecture. AA/AS GE. Transfer: CSU, UC*; CSU GE: D7; IGETC: 4G. *MSCM 5 and 31 combined, max UC credit, one course.

Degree Applicable, Credit Grading Option: OP

MSCM 32A INTRODUCTION TO RADIO PRODUCTION 3 UNITS

History, law, ethics, theory, and practical use of radio technology. Operations procedures and practices in a modern radio broadcast studio. Extended study of various aspects of radio production, including editing and announcing, producing studio-recordings, producing a news or feature interview story, producing pre-recorded newscasts, supporting station operations, preparing content for radio programming, publishing content online, selling ads, establishing a brand identity, producing news, collaborating with other media, creating and maintaining audio and video streams, podcasts, and direct feed, creating content for a multimedia website, and producing ad spots and promotional posts. 18 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MSCM 32B INTERMEDIATE RADIO PRODUCTION 3 UNITS

Intermediate-level procedures and practices in a modern radio broadcast studio. Extended study of various aspects of intermediate-level radio production, including editing and announcing, producing a live newsmagazine interview program, producing pre-recorded newscasts, managing station operations, preparing commercial radio programming, selling ads, establishing a brand identity, producing news, collaborating with other media, creating and maintaining audio and video streams, podcasts, and direct feed, creating a multimedia news website, and producing ad spots and promotional posts. Prerequisite: MSCM 32A with a minimum grade of C. 18 hours lecture, 108 hours laboratory. Transfer: CSU

Degree Applicable, Credit Grading Option: OP

MSCM 32C ADVANCED RADIO PRODUCTION 3 UNITS

Advanced-level procedures and practices in a modern radio broadcast studio with an emphasis on public relations, social media, and the use of video in radio production. Additional study of various aspects of advanced-level radio production, including leading new radio students, editing and announcing, producing a live newsmagazine interview program, producing pre-recorded newscasts, managing station operations, preparing commercial radio programming, selling ads, establishing a brand identity, producing news, collaborating with other media, creating and maintaining audio streams, podcasts, and direct feed, creating video to enhance a multimedia news website, and producing ad spots and promotional posts. Provide leadership in creating at least one campus-wide event involving Radio Las Positas. Prerequisite: MSCM 32B with a minimum grade of C. 18 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MSCM 33A INTRODUCTION TO TELEVISION STUDIO OPERATIONS 3 UNITS

Introduction to the theory, terminology, and operations within a television studio and control room. This introduction includes

television directing, the operation of television audio equipment, TV cameras, and television switcher, fundamentals of TV lighting, graphics, video control, and video tape recording for TV and documentaries. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MSCM 33B INTERMEDIATE TELEVISION STUDIO OPERATIONS 3 UNITS

Further experience in television studio operations, control room procedures, and basic program production. Designed to improve skills in operating television equipment and producing and directing TV programs. Emphasis is placed upon theory and practice in television production, including planning, writing, producing staging, and directing interviews, commercials, public service announcements, dramatic pieces, multimedia, and other program segments. Prerequisite: MSCM 33A with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MSCM 34A NAKED MAGAZINE: COLLEGE MAGAZINE A 3 UNITS

Creation of a journalistic-style student magazine. Emphasis is placed on developing content, writing in-depth magazine articles, producing photographs and other visual elements, correlating copy and visuals, laying out pages in the production process, copy editing, promoting advertising, managing the business-side of the magazine, and exploring ethical issues. Strongly Recommended: Eligibility for ENG 1A. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MSCM 34B NAKED MAGAZINE: COLLEGE MAGAZINE B 3 UNITS

Leadership in the creation and promotion of a journalistic-style student magazine, including development of skills in areas of social media and multimedia. Emphasis is placed on practicing and refining intermediate-level journalism skills while developing content, writing in-depth magazine articles, producing photographs and other visual elements, correlating copy and visuals, laying out pages in the production process, copy editing, promoting advertising, managing the business-side of the magazine, and exploring ethical issues. Prerequisite: MSCM 34A with a minimum grade of C. Strongly Recommended: Eligibility for ENG 1A. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MSCM 35 MULTIMEDIA REPORTING 3 UNITS

This course will provide an introduction to multimedia storytelling with a journalism emphasis. Techniques that will be explored include use of video, photos, audio, animation, and text to convey interactive news and feature stories through the Internet and other electronic media. It also will include techniques in digital research, critical thinking, and synthesis. It will introduce the legal and ethical issues in the recording of sources. Emphasis is placed upon the methods and techniques of multimedia reporting, including scripting, storyboarding, camera use, lighting, sound, and editing with video editing software such as Adobe Premiere Pro. 18 hours lecture, 108 hours laboratory. Transfer: CSU, UC*; C-ID# JOUR 120. *MSCM 35, MSCM 72, and PHTO 72 combined: maximum UC credit, one

course.

Degree Applicable, Credit Grading Option: OP

MSCM 72 INTRODUCTION TO PHOTOJOURNALISM 3 UNITS

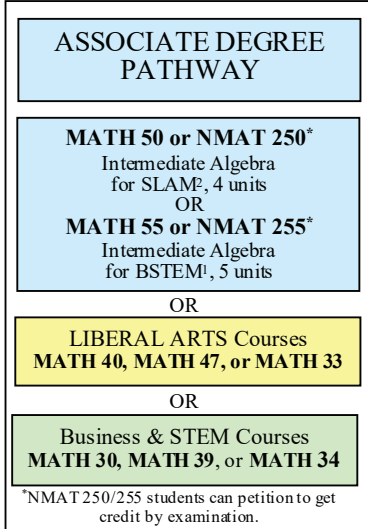
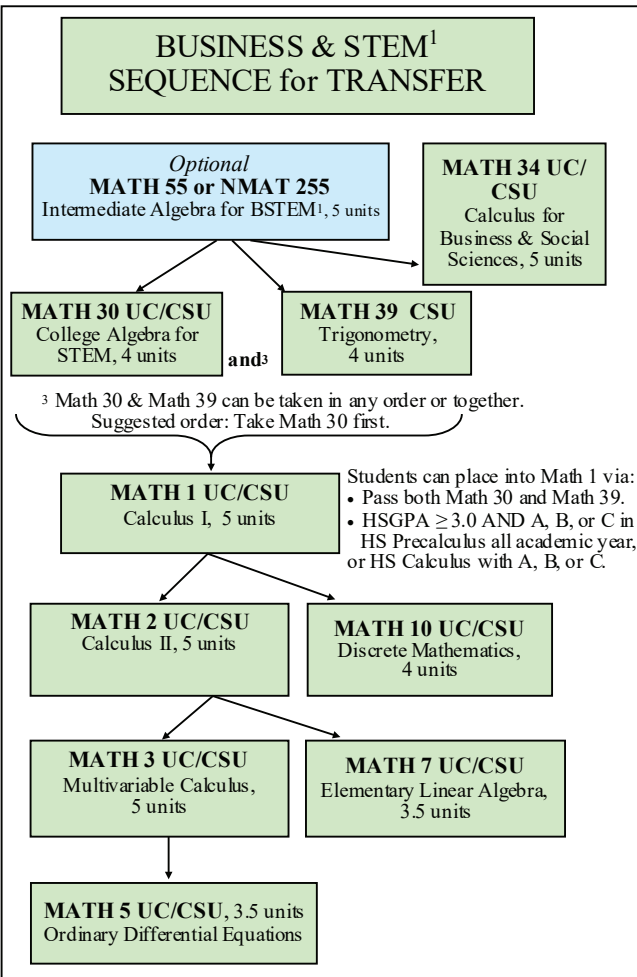
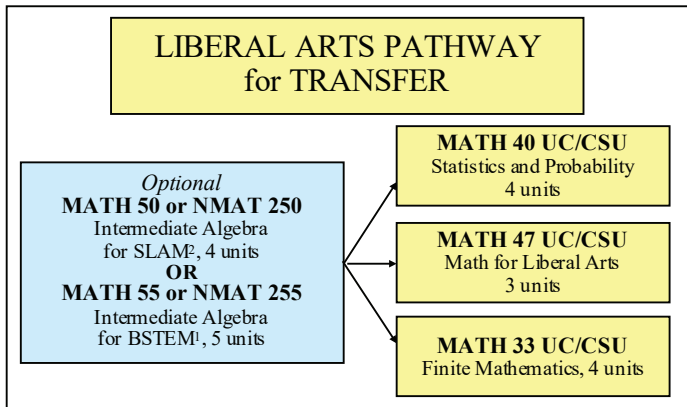
This course deals with the photographer as a journalist, focusing on theory and practice in press and publications photography, with emphasis on using the camera as a reporting and communications tool. Covered are news and feature photography and photographic essays, including composition, impact, and creativity, for newspapers, magazines, the Internet, and other mass communications media. Understanding and applying photojournalistic and basic technical and visual skills in the making of successful reportage photographs. Consideration of the work of major 20th and 21st century photojournalists. Course is cross listed with PHTO 72. Student will receive credit for taking either MSCM 72 or PHTO 72. Strongly Recommended: PHTO 50 and/or PHTO 56 and/or GDDM 53. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC*; C-ID# JOUR 160. *MSCM 35, MSCM 72, PHTO 72 combined: maximum UC credit, one course.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

LAS POSITAS COLLEGE MATH COURSE PATHWAYS Starting Fall 2019

Credit Courses and Programs



SUPPORT OPTIONS

Math Jam Bootcamp
Award winning & tuition-free! Offered the week *before* the Fall and Spring semesters. Innovative learning interventions help you prepare for upcoming mathematics courses. Proven to increase student success and retention rates!

Concurrent Support
NEW! Jam all semester with RECOMMENDED support *during* the semester. Offered for credit or tuition-free (noncredit). Aligned with your math course and designed with innovative strategies to provide math and learning support.

Automotive and Welding Technical Pathway

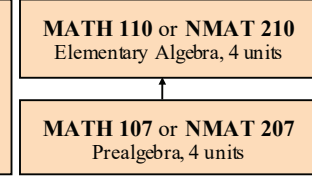
Technical Pathway to Associate's Degree
7 unit sequence to complete in two semesters.
Satisfies the mathematics requirement for an AS degree.

Welding Certificate Pathway
4 unit sequence to complete in 1 or 2 semesters.
Satisfies the mathematics requirement for a Welding Certificate.

Offered only in Emporium Mode. Emporium classes are designed to provide maximum flexibility and support with contextualized material. Self-accelerate through the material at a pace that is right for you. To learn more, visit www.laspositascollege.edu/mathemporium

FOUNDATIONAL MATH

Solidify your math understanding prior to Intermediate Algebra or transfer-level. We offer credit and tuition-free (noncredit) foundational and associate degree level math courses to meet your learning needs.



¹BSTEM = Business, Science, Technology, Engineering, & Mathematics

²SLAM = Statistics and Liberal Arts Mathematics

Foundational Math Courses
 Associate Degree-Level Math Courses
 SLAM Transfer-Level Math Courses
 BSTEM Transfer-Level Math Courses

CSU = Transferable to CSU
UC = Transferable to UC
Transfer limitations to UC are as follows: 1, 2, and 33, 34 combined; maximum credit, one series

For more information about pathway and support options that are right for you, visit:
www.LasPositasCollege.edu/Math

MATHEMATICS

Mathematics is one of the oldest intellectual disciplines, yet it has never lost its relevance; we are continually finding new and exciting applications in fields as diverse as biology and counter-terrorism. Mathematical methods play a pivotal role in bioinformatics, cryptography, computer graphics, analysis of large-scale networks, cyber security and operations research, as well as in computer science, engineering, business, and the natural, physical and social sciences. Applications of mathematics can be found in many vocational disciplines such as carpentry, electronics, automotive technology and welding.

The Mathematics department at Las Positas College offers a wide range of courses in a variety of formats designed to meet the needs of a diverse student population. Whatever your educational goals, we have the courses you need to succeed. We offer a full lower-division curriculum which prepares students for transfer to four-year institutions, as well as basic skills and associate degree applicable courses.

Programs of Study

Degrees:

- AS-T – Mathematics

Career Opportunities

The Associate of Science Degree in Mathematics for Transfer is intended to provide an option for students who plan to complete a bachelor's degree in a similar major at a CSU campus, or pursue a teaching career, since teachers of mathematics are always in demand. The study of mathematics can prepare students for a variety of technical and scientific careers. The problem-solving and communication skills acquired are valuable in business, industry, and everyday life, and mathematics is an essential component of any engineering or science degree.

Mathematics courses can be taken in a variety of modes including "traditional" lecture, hybrids of on-campus and online, and in the Math Emporium. For more information about these modes, and which fits your learning style, please see www.LasPositasCollege.edu/Math

Math Emporium

The Math Emporium consists of courses offered in an independent study/self-accelerated mode. In the Math Emporium, a math instructor, an instructional assistant, and a peer tutor are available to answer questions. Students attend at a specified time to work through the material at their own pace. The instructor will not hold formal class-wide lectures. Each student completes homework and lab assignments as they work independently through the material. Students must take and pass a chapter exam before moving on to the next chapter. These courses are designated in the schedule by an "X" followed by the section number (e.g. Math 107 – X01 indicates that this is a Pre-Algebra course offered as part of the Math Emporium).

These courses work well for students with the following characteristics:

- I am a self-motivated, dedicated, and organized student.
- I need a quick brush up on my algebra skills.
- I can learn the material using my textbook, online supports, video lectures and classroom support staff.

Students may complete any of the following courses in the Math Emporium Mode:

- MATH 52A, 52B – Technical Intermediate Algebra for Automotive Technology
- MATH 53A, 53B – Technical Intermediate Algebra for Welding
- MATH 55 – Intermediate Algebra
- MATH 72A, 72B, 72C, 72D – Technical Elementary Algebra
- MATH 107 – Pre-Algebra
- MATH 110 – Elementary Algebra

AS-T – Mathematics

About the Degree

The Las Positas College Mathematics program offers courses that lead to an Associate of Science in Mathematics for Transfer degree. The major requirements for the Associate of Science in Mathematics for Transfer degree align with the Intersegmental Transfer Model Curriculum (TMC) for Mathematics. Students will have guaranteed admission to a California State University (CSU) campus upon successful completion of the program requirements. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals. General education requirements should be selected carefully based on the intended transfer institution.

Completion Requirements:

- Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education – Breadth Requirements.
 - A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Career Opportunities

The Associate of Science in Mathematics for Transfer degree is intended to provide an option for students who plan to complete a bachelor's degree in a similar major at a CSU campus, or pursue a teaching career, since teachers of mathematics are always in demand. The study of mathematics can prepare students for a variety of technical and scientific careers. The problem-solving and communication skills acquired are valuable in business, industry, and everyday life, and mathematics is an essential component of any engineering or science degree.

Program Outcomes

- Upon successful completion of the Mathematics AS-T, students will be able to demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical ideas.
- Upon successful completion of the Mathematics AS-T, students will be able to learn mathematics through modeling real-world situations.
- Upon successful completion of the Mathematics AS-T, students will be able to read, write, listen to, and speak mathematics with understanding.
- Upon successful completion of the Mathematics AS-T, students will be able to use appropriate technology to enhance their mathematical thinking and understanding, solve mathematical problems, and judge the reasonableness of their results.
- Upon successful completion of the Mathematics AS-T, students will be able to use mathematical reasoning and, when appropriate, a general problem solving process to solve problems.

Required Core: (15 Units)

MATH 1 (Calculus I).....	5
MATH 2 (Calculus II)	5
MATH 3 (Multivariable Calculus).....	5

List A: Select One (3.5 Units)

MATH 5 (Ordinary Differential Equations).....	3.5
MATH 7 (Elementary Linear Algebra)	3.5

List B: Select One (3.5-5 Units)

Any List A course not already used.....	3.5
CS 1 (Computing Fundamentals I)	4
MATH 40 (Statistics and Probability)	4
PHYS 1A (General Physics I)	5

Total Units for the Major 22-23.5

Additional General Education and Elective Units... 36.5-38

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Mathematics Courses (MATH)

MATH 1 CALCULUS I 5 UNITS

An introduction to single-variable differential and integral calculus including: functions, limits and continuity; techniques and applications of differentiation and integration; the Fundamental Theorem of Calculus; areas and volumes of solids of revolution. Prerequisite: MATH 30 with a minimum grade of C, MATH 39 with a minimum grade of C. 90 hours lecture. AA/AS GE. Transfer:

CSU, UC*; CSU GE: B4; IGETC: 2A; C-ID# MATH 211, MATH 900 S (if taken with MATH 2). *MATH 1, 33, and 34 combined: maximum UC credit, one course.

Degree Applicable, Credit Grading Option: GR

MATH 2 CALCULUS II 5 UNITS

Continuation of single-variable differential and integral calculus. Topics covered include: inverse and hyperbolic functions; techniques of integration; polar and parametric equations; infinite sequences, series, power series and Taylor series; applications of integration. Primarily for mathematics, physical science and engineering majors. Prerequisite: MATH 1 with a minimum grade of C. 90 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B4; IGETC: 2A; C-ID# MATH 221, MATH 900 S (if taken with MATH 1).

Degree Applicable, Credit Grading Option: GR

MATH 3 MULTIVARIABLE CALCULUS 5 UNITS

Vector valued functions, functions of several variables, partial differentiation, multiple integration, change of variables theorem, scalar and vector fields, gradient, divergence, curl, line integral, surface integral, Green's Stokes' and divergence theorem, applications. Prerequisite: MATH 2 with a minimum grade of C. 90 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B4; IGETC: 2A; C-ID# MATH 230.

Degree Applicable, Credit Grading Option: GR

MATH 5 ORDINARY DIFFERENTIAL EQUATIONS 3.5 UNITS

Introduction to differential equations including the conditions under which a unique solution exists, techniques for obtaining solutions, and applications. Techniques include generation of series solutions, use of Laplace Transforms, and the use of eigenvalues to solve linear systems. Generation of exact solutions, approximate solutions, and graphs of solutions using MATLAB. Prerequisite: MATH 3 with a minimum grade of C. 54 hours lecture, 27 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B4; IGETC: 2A; C-ID# MATH 240.

Degree Applicable, Credit Grading Option: GR

MATH 7 ELEMENTARY LINEAR ALGEBRA 3.5 UNITS

An introduction to linear algebra including: techniques and theory needed to solve and classify systems of linear equations using Gaussian elimination and matrix algebra; properties of vectors in n-dimensions; generalized vector spaces, inner product spaces, basis, norms, orthogonality; eigenvalues, eigenspaces; and linear transformations. Selected applications of linear algebra, including the use of MATLAB™ to solve problems involving advanced numerical computation. Prerequisite: MATH 2 with a minimum grade of C. 54 hours lecture. 27 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B4; IGETC: 2A; C-ID# MATH 250.

Degree Applicable, Credit Grading Option: GR

MATH 10 DISCRETE MATHEMATICAL STRUCTURES 4 UNITS

Designed for majors in mathematics and computer science, this course provides an introduction to discrete mathematical structures

used in Computer Science and their applications. Course content includes: Propositional and predicate logic; rules of inference; quantifiers; elements of integer number theory; set theory; methods of proof; induction; combinatorics and discrete probability; functions and relations; recursive definitions and recurrence relations; elements of graph theory and trees. Applications include: analysis of algorithms, Boolean algebras and digital logic circuits. Students who have completed, or are enrolled in, CS 17 may not receive credit. Prerequisite: MATH 1 with a minimum grade of C (May be taken concurrently), CS 1 with a minimum grade of C (May be taken concurrently). 72 hours lecture, 18 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B4; IGETC: 2A; C-ID# COMP 152.

Degree Applicable, Credit Grading Option: GR

MATH 29 INDEPENDENT STUDY, 0.5-2 UNITS
MATHEMATICS

For course information, see "Independent Studies". 27-108 hours laboratory.

MATH 30 COLLEGE ALGEBRA FOR STEM 4 UNITS

College algebra core concepts relating to Science, Technology, Engineering and Mathematics (STEM) and Business fields are explored, such as: polynomial, rational, radical, exponential, absolute value, and logarithmic functions; systems of equations; theory of polynomial equations; and analytic geometry. Multiple representations, applications and modeling with functions are emphasized throughout. May not receive credit if Mathematics 20 or 45 have been completed. Prerequisite: MATH 55 with a minimum grade of C or MATH 55B with a minimum grade of C or NMAT 255 with a minimum grade of C. 72 hours lecture, 18 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B4, IGETC: 2A; C-ID# MATH 151.

Degree Applicable, Credit Grading Option: GR

MATH 33 FINITE MATHEMATICS 4 UNITS

Linear functions, systems of linear equations and inequalities, exponential and logarithmic functions and applications, matrices, linear programming, mathematics of finance, sets and Venn diagrams, combinatorial techniques and an introduction to probability. Applications in business, economics and social sciences. Prerequisite: MATH 50 with a minimum grade of C or MATH 55 with a minimum grade of C or MATH 55B with a minimum grade of C or NMAT 250 with a minimum grade of C or NMAT 255 with a minimum grade of C. 72 hours lecture. AA/AS GE. Transfer: CSU, UC*; CSU GE: B4; IGETC: 2A; C-ID# MATH 130. *MATH 1, 33, and 34 combined: maximum UC credit, one course.

Degree Applicable, Credit Grading Option: GR

MATH 34 CALCULUS FOR BUSINESS AND 5 UNITS
SOCIAL SCIENCES

Functions and their graphs; limits of functions; differential and integral calculus of algebraic, exponential and logarithmic functions. Applications in business, economics, and social sciences and use of graphing calculators. Partial derivatives and the method of LaGrange multipliers. Prerequisite: MATH 55 with a minimum grade of C or MATH 55B with a minimum grade of C or NMAT 255 with a minimum grade of C. 90 hours lecture. AA/AS GE. Transfer: CSU, UC*; CSU GE: B4; IGETC: 2A; C-ID# MATH 140. *MATH 1, 33,

and 34 combined: maximum UC credit, one course.

Degree Applicable, Credit Grading Option: GR

MATH 39 TRIGONOMETRY 4 UNITS

Trigonometry includes definitions of the trigonometric functions and their inverses, graphs of the trigonometric functions and their inverses, trigonometric equations, trigonometric expressions and identities, including proofs, an introduction to vectors, polar coordinates and complex numbers. Applications include solving right triangles and solving triangles using the law of sines and the law of cosines. Prerequisite: MATH 55B with a minimum grade of C or MATH 55 with a minimum grade of C or NMAT 255 with a minimum grade of C. 72 hours lecture, 18 hours laboratory. AA/AS GE. Transfer: CSU; CSU GE: B4; C-ID# MATH 851.

Degree Applicable, Credit Grading Option: GR

MATH 40 STATISTICS AND PROBABILITY 4 UNITS

Descriptive statistics, including measures of central tendency, dispersion and position; elements of probability; confidence intervals; hypothesis tests; two-population comparisons; correlation and regression; goodness of fit; analysis of variance; applications in various fields. Introduction to the use of a computer software package to complete both descriptive and inferential statistics problems. Prerequisite: MATH 55 with a minimum grade of C or MATH 55B with a minimum grade of C or MATH 50 with a minimum grade of C or NMAT 250 with a minimum grade of C or NMAT 255 with a minimum grade of C. 72 hours lecture, 18 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B4; IGETC: 2A; C-ID# MATH 110.

Degree Applicable, Credit Grading Option: GR

MATH 47 MATHEMATICS FOR LIBERAL 3 UNITS
ARTS

An introduction to a variety of mathematical concepts for students interested in liberal arts. Intended to cultivate an appreciation of the significance of mathematics in daily life and help develop students' mathematical reasoning. Topics include personal finance, logic, and exponential growth. Prerequisite: MATH 55 with a minimum grade of C or MATH 55B with a minimum grade of C or MATH 50 with a minimum grade of C or NMAT 250 with a minimum grade of C or NMAT 255 with a minimum grade of C. 54 hours lecture, 18 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B4; IGETC: 2A.

Degree Applicable, Credit Grading Option: GR

MATH 50 INTERMEDIATE ALGEBRA 4 UNITS
FOR SLAM

This is an Intermediate Algebra course for students interested in fields of study that require Statistics or Liberal Arts Mathematics (SLAM). Intermediate algebra concepts will be explored in the context of the function. Function concepts covered include: distinction between functions and relations, domain and range, function notation, multiple representation of functions, behavior of functions, operations with functions (including composition), one-to-one functions, and invertible functions. Types of functions considered: polynomial, rational, radical, exponential and logarithmic functions. The course includes an introduction to probability, counting and quantitative data. Standards for mathematical practice, applications

of functions, and modeling with functions are emphasized throughout. Strongly Recommended: MATH 110 with a minimum grade of C or MATH 110B with a minimum grade of C or NMAT 210 with a minimum grade of C. 54 hours lecture, 54 hours laboratory. AA/AS GE.

Degree Applicable, Credit Grading Option: OP

MATH 51 ALGEBRA BRIDGE 2 UNITS

This course is intended for students who completed Math 50 Core Intermediate Algebra and need the equivalent of Math 55 Intermediate Algebra. The course covers content included in Math 55 but not Math 50. Topics include: operations with rational expressions; rational equations; operations with radical expressions; complex numbers; quadratic inequalities and equations quadratic in form; systems of three linear equations; properties of logarithms and logarithmic equations; conic sections; and non-linear systems. Students may not receive credit for both Math 55 and the combination of Math 50 and Math 51. Prerequisite: MATH 50 with a minimum grade of C. 36 hours lecture.

Degree Applicable, Credit Grading Option: OP

MATH 52A TECHNICAL INTERMEDIATE ALGEBRA FOR AUTOMOTIVE TECHNOLOGY A 1.5 UNITS

This course provides a survey of algebraic processes with an emphasis on applications in the automotive trades. Topics covered include, but are not limited to: algebraic expressions; quadratic functions; and functions. This course may not be used as a prerequisite for any transfer level course. Prerequisite: MATH 72D with a minimum grade of C. 27 hours lecture. AA/AS GE.

Degree Applicable, Credit Grading Option: OP

MATH 52B TECHNICAL INTERMEDIATE ALGEBRA FOR AUTOMOTIVE TECHNOLOGY B 1.5 UNITS

This course provides a survey of algebraic and geometric processes with an emphasis on applications in the automotive trades. Topics covered include, but are not limited to: plane geometry; linear regression, financial mathematics, and measures of central tendency. This course is not intended as a prerequisite for any transfer level course. Prerequisite: MATH 52A with a minimum grade of C. 27 hours lecture. AA/AS GE.

Degree Applicable, Credit Grading Option: OP

MATH 53A TECHNICAL INTERMEDIATE ALGEBRA FOR WELDING A 2 UNITS

This course provides a survey of algebraic processes with an emphasis on applications in welding. Topics covered include, but are not limited to: algebraic expressions, plane geometry, the geometry of solids, and triangle trigonometry. This course may not be used as a prerequisite for any transfer level course. Prerequisite: MATH 72C with a minimum grade of C or MATH 72D with a minimum grade of C. 36 hours lecture. AA/AS GE.

Degree Applicable, Credit Grading Option: OP

MATH 53B TECHNICAL INTERMEDIATE ALGEBRA FOR WELDING B 1 UNIT

This course provides a survey of algebraic processes with an emphasis on applications in welding. Topics covered include, but are not limited to: quadratic equations, functions, and mathematical models. This course may not be used as a prerequisite for any transfer level course. Prerequisite: MATH 72D with a minimum grade of C and MATH 53A with a minimum grade of C. 18 hours lecture. AA/AS GE.

Degree Applicable, Credit Grading Option: OP

MATH 55 INTERMEDIATE ALGEBRA FOR BSTEM 5 UNITS

Intermediate Algebra concepts, in the service of Business, Science, Technology, Engineering and Math fields (BSTEM), will be explored in this course including: an introduction to functions; linear and absolute value functions; absolute value equations and inequalities; compound linear inequalities; rational expressions, functions and equations; radical expressions, functions and equations; rational exponents; complex numbers; quadratic functions and equations; inverse of a function; exponential and logarithmic functions; properties of logarithms; exponential and logarithmic equations; conic sections; and systems of equations and inequalities. Multiple representations, applications and modeling with functions are emphasized throughout. Strongly Recommended: MATH 110 with a minimum grade of C, MATH 110B with a minimum grade of C, or NMAT 210 with a minimum grade of C. 90 hours lecture. AA/AS GE.

Degree Applicable, Credit Grading Option: OP

MATH 55A INTERMEDIATE ALGEBRA FOR STEM A 2.5 UNITS

Concepts covered in the first half of Intermediate Algebra, in the service of Science, Technology, Engineering and Math (STEM) fields, will be explored in this course including: an introduction to functions, linear and absolute value functions, absolute value equations and inequalities, compound linear inequalities, rational expressions, functions and equations, radical expressions, functions and equations, rational exponents, complex numbers, quadratic functions and equations, inverse of a function, exponential and logarithmic functions, properties of logarithms, exponential and logarithmic equations, conic sections; and systems of equations and inequalities. Multiple representations, applications and modeling with functions are emphasized throughout. May not receive credit if Mathematics 55 has been completed. Prerequisite: MATH 110 with a minimum grade of C or MATH 110B with a minimum grade of C. Corequisite: MATH 55E. 45 hours lecture, 18 hours laboratory. AA/AS GE.

Degree Applicable, Credit Grading Option: OP

MATH 55B INTERMEDIATE ALGEBRA FOR STEM B 2.5 UNITS

Concepts covered in the second half of Intermediate Algebra concepts, in the service of Science, Technology, Engineering and Math (STEM) fields, will be explored in this course including: an introduction to functions; linear and absolute value functions; absolute value equations and inequalities; compound linear inequalities; rational expressions, functions and equations; radical expressions, functions and equations; rational exponents; complex numbers; quadratic functions and equations; inverse of a function;

exponential and logarithmic functions; properties of logarithms; exponential and logarithmic equations; conic sections; and systems of equations and inequalities. Multiple representations, applications and modeling with functions are emphasized throughout. May not receive credit if Mathematics 55 has been completed. Prerequisite: MATH 55A with a minimum grade of C or Corequisite: MATH 55F. 45 hours lecture, 18 hours laboratory. AA/AS GE.

Degree Applicable, Credit Grading Option: OP

**MATH 55C CONCURRENT SUPPORT FOR 1 UNIT
INTERMEDIATE ALGEBRA**

This course is concurrent support for Intermediate Algebra. The course is designed to provide additional, formal support to students who are currently taking an Intermediate Algebra. It includes a review of arithmetic, algebraic and geometric concepts that are relevant to their Intermediate Algebra course, study strategies that promote understanding and improve performance, and more in-depth investigation of core concepts that are difficult for students to master. Embedded are learning skills such as growth mindset, brain research, time management, study skills, test taking, math anxiety and more. Corequisite: MATH 55 or NMAT 255 or MATH 50 or NMAT 250. 54 hours laboratory.

Degree Applicable, Credit Grading Option: P/NP

**MATH 55E INTERMEDIATE ALGEBRA 2.5 UNITS
A COREQUISITE SUPPORT**

This credit course is a co-requisite for Intermediate Algebra A, the first half of Intermediate Algebra. This course is only available through manual enrollment during the semester for students who are taking Intermediate Algebra in the Emporium mode and are on track to complete at least the Intermediate Algebra A material. This course will support students in achieving Intermediate Algebra A learning goals by providing support around mastering the necessary arithmetic, algebraic and geometric concepts that are relevant to their Intermediate Algebra A course. This course will provide study strategies that promote understanding and improve performance, more in-depth investigation of core concepts that are difficult for students to master, and learning skills. Prerequisite: MATH 110 with a minimum grade of C or MATH 110B with a minimum grade of C. Corequisite: MATH 55A. 45 hours lecture.

Degree Applicable, Credit Grading Option: P/NP

**MATH 55F INTERMEDIATE ALGEBRA 2.5 UNITS
B COREQUISITE SUPPORT**

This credit course is a co-requisite for Intermediate Algebra B, the second half of Intermediate Algebra. This course is only available when taken concurrently with an intermediate Algebra B course in the Emporium mode. This course will support students in achieving Intermediate Algebra B learning goals by providing support around mastering the necessary arithmetic, algebraic and geometric concepts that are relevant to their Intermediate Algebra B course. This course will provide study strategies that promote understanding and improve performance, more in-depth investigation of core concepts that are difficult for students to master, and learning skills. Prerequisite: MATH 55A with a minimum grade of C. Corequisite: MATH 55B. 45 hours lecture.

Degree Applicable, Credit Grading Option: P/NP

MATH 66 MATH JAM FOR CALCULUS 0.5-1 UNITS

Math Jam for Calculus is a credit course for students preparing for Calculus I, II or III. Embedded are essential study and life skills to develop each student holistically, including career development. Students will be learning basic skills and transfer-level material with the goal of preparing them to be successful in their upcoming class. It is strongly recommended that students taking this course are enrolled in a calculus course. 27- 54 hours laboratory.

Degree Applicable, Credit Grading Option: P/NP

**MATH 66C CONCURRENT SUPPORT FOR 1 UNIT
CALCULUS I, II, III**

This course offers structured support to students who are concurrently enrolled in Calculus I, II or III. The support course includes material to prepare students for the rigor of the calculus course by teaching learning skills necessary to succeed in college courses as well as review of relevant prerequisite algebraic, geometric and trigonometric concepts, and more in-depth investigation of core concepts in their concurrent math course. Corequisite: MATH 1 or MATH 2 or MATH 3. This is a one-way corequisite for Math 3. Everyone taking this Math 66C concurrent support course must be taking a Math 1, 2 or 3 class concurrently. However, not everyone taking Math 3 would have to take this Math 66C concurrent support course. 54 hours laboratory.

Degree Applicable, Credit Grading Option: P/NP

**MATH 72A TECHNICAL ELEMENTARY 1 UNIT
ALGEBRA A**

This course provides a survey of computational and elementary algebraic processes with an emphasis on applications in the automotive and welding trades. Topics covered include, but are not limited to: computations with real numbers, ratios, and proportions. This course cannot be used as a prerequisite for Math 50 Core Intermediate Algebra or Math 55 Intermediate Algebra. 18 hours lecture.

Degree Applicable, Credit Grading Option: OP

**MATH 72B TECHNICAL ELEMENTARY 1 UNIT
ALGEBRA B**

This course provides a survey of computational and elementary algebraic processes with an emphasis on applications in the automotive and welding trades. Topics covered include, but are not limited to: linear equations, the rectangular coordinate system, and linear equations in two variables. This course cannot be used as a prerequisite for Math 50 Core Intermediate Algebra or Math 55 Intermediate Algebra. Prerequisite: MATH 72A with a minimum grade of C. 18 hours lecture.

Degree Applicable, Credit Grading Option: OP

**MATH 72C TECHNICAL ELEMENTARY 1 UNIT
ALGEBRA C**

This course provides a survey of computational and elementary algebraic processes with an emphasis on applications in the automotive and welding trades. Topics covered include, but are not limited to: percentages and measurement. This course cannot be used as a prerequisite for Math 50 Core Intermediate Algebra or Math 55 Intermediate Algebra. Prerequisite: MATH 72A with a minimum

grade of C or MATH 72B with a minimum grade of C. 18 hours lecture.

Degree Applicable, Credit Grading Option: OP

MATH 72D TECHNICAL ELEMENTARY ALGEBRA D 1 UNIT

This course provides a survey of computational and elementary algebraic processes with an emphasis on applications in the automotive and welding trades. Topics covered include, but are not limited to: the rectangular coordinate system, linear equations in two variables, and systems of linear equations. This course cannot be used as a prerequisite for Math 50 Core Intermediate Algebra or Math 55 Intermediate Algebra. Prerequisite: MATH 72B with a minimum grade of C and MATH 72C with a minimum grade of C. 18 hours lecture.

Degree Applicable, Credit Grading Option: OP

MATH 100C CONCURRENT SUPPORT FOR SLAM MATHEMATICS 1 UNIT

Concurrent Support for SLAM Math is for students interested in disciplines that require Statistics and Liberal Arts Mathematics (SLAM) courses. This course offers structured support to students who are concurrently enrolled in a first-level transfer course, such as Statistics and Mathematics for Liberal Arts, and Finite Mathematics. The support course includes material to prepare students for the rigor of the transfer math course by teaching learning skills necessary to succeed in college courses as well as review of relevant prerequisite algebraic and geometric concepts, and more in-depth investigation of core concepts in their concurrent math course. Corequisite: MATH 40 or MATH 47 or MATH 33. 54 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

MATH 101C CONCURRENT SUPPORT FOR BSTEM MATHEMATICS 1 UNIT

Concurrent Support for BSTEM Mathematics is for students interested in Business, Science, Technology, Engineering and Mathematical fields. This course offers structured support to students who are concurrently enrolled in a first-level transfer course, such as College Algebra, Trigonometry, and Business Calculus. The support course includes material to prepare students for the rigor of the transfer math course by teaching learning skills necessary to succeed in college courses as well as review of relevant prerequisite algebraic and geometric concepts, and more in-depth investigation of core concepts in their concurrent math course. Corequisite: MATH 30 or MATH 39 or MATH 34. 54 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

MATH 107 PRE-ALGEBRA 4 UNITS

This course is intended to serve as a bridge between arithmetic and Elementary Algebra. It includes a review of arithmetic, operations involving signed integers, fractions, and decimals, variables and variable expressions, simple linear equations and their graphs, percent and proportion, introduction to statistics, geometry and measurement, and application problems. 54 hours lecture, 54 hours laboratory.

Non-Degree Applicable, Credit Grading Option: OP

MATH 107A PRE-ALGEBRA A 2 UNITS

This course is intended to serve as a bridge between arithmetic and Elementary Algebra. It includes a review of concepts covered in the first half of Mathematics 107 Pre-Algebra, including: review of arithmetic, operations involving signed integers, fractions, variables and variable expressions, and simple linear equations. Corequisite: MATH 107E. 27 hours lecture, 27 hours laboratory.

Non-Degree Applicable, Credit Grading Option: OP

MATH 107B PRE-ALGEBRA B 2 UNITS

This course is intended to serve as a bridge between arithmetic and Elementary Algebra. It includes a review of concepts covered in the second half of Mathematics 107 Pre-Algebra, including: decimals, graphs of simple linear equations, percent and proportion, introduction to statistics, geometry and measurement, and application problems. Prerequisite: MATH 107A with a minimum grade of C or Corequisite: MATH 107F. 27 hours lecture, 27 hours laboratory.

Non-Degree Applicable, Credit Grading Option: OP

MATH 107E PRE-ALGEBRA A CO-REQUISITE SUPPORT 2 UNITS

This credit course is a co-requisite for Pre-Algebra A, the first half of Pre-Algebra. This course is only available through manual enrollment during the semester for students who are taking Pre-Algebra in the Emporium mode and are on track to complete at least the Pre-Algebra A material. This course will support students in achieving Pre-Algebra A learning goals by providing support around mastering the necessary arithmetic, algebraic and geometric concepts that are relevant to their Pre-Algebra A course. This course will provide study strategies that promote understanding and improve performance, more in-depth investigation of core concepts that are difficult for students to master, and learning skills. Corequisite: MATH 107A. 36 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

MATH 107F PRE-ALGEBRA B CO-REQUISITE SUPPORT 2 UNITS

This credit course is a co-requisite for Pre-Algebra B, the second half of Pre-Algebra. This course will support students in achieving Pre-Algebra B learning goals by providing support around mastering the necessary arithmetic, algebraic and geometric concepts that are relevant to their Pre-Algebra B course. This course will provide study strategies that promote understanding and improve performance, more in-depth investigation of core concepts that are difficult for students to master, and learning skills. Prerequisite: MATH 107A with a minimum grade of C. Corequisite: MATH 107B. 36 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

MATH 110 ELEMENTARY ALGEBRA 4 UNITS

Elementary algebra concepts, including: real numbers and their properties; algebraic expressions; integer exponents; operations with polynomial expressions; linear and quadratic equations; linear inequalities and set notation; graphs of linear equations and inequalities; slope; systems of linear equations and inequalities; and modeling with linear and quadratic equations. Strongly Recommended: MATH 107 with a minimum grade of C or MATH 107B with a minimum grade of C or NMAT 207 with a minimum

grade of C. 72 hours lecture.

Non-Degree Applicable, Credit Grading Option: OP

MATH 110A ELEMENTARY ALGEBRA A 2 UNITS

Concepts covered in the first half of Elementary Algebra, including: real numbers and their properties, algebraic expressions, integer exponents, operations with polynomial expressions, linear and quadratic equations, linear inequalities and set notation, graphs of linear equations and inequalities, slope; systems of linear equations and inequalities, and modeling with linear and quadratic equations. May not receive credit if MATH 110, 65 or 65A have been completed. Prerequisite: MATH 107 with a minimum grade of C or MATH 107B with a minimum grade of C. Corequisite: MATH 110E. 36 hours lecture, 18 hours laboratory.

Non-Degree Applicable, Credit Grading Option: OP

MATH 110B ELEMENTARY ALGEBRA B 2 UNITS

Concepts covered in the second half of Elementary Algebra, including: real numbers and their properties; algebraic expressions; integer exponents; operations with polynomial expressions; linear and quadratic equations; linear inequalities and set notation; graphs of linear equations and inequalities; slope; systems of linear equations and inequalities; and modeling with linear and quadratic equations. May not receive credit if MATH 110, 65 or 65B have been completed. Prerequisite: MATH 110A with a minimum grade of C. Corequisite: MATH 110F. 36 hours lecture, 18 hours laboratory.

Non-Degree Applicable, Credit Grading Option: OP

**MATH 110C CONCURRENT SUPPORT 1 UNIT
FOR ELEMENTARY ALGEBRA**

This course is concurrent support for Elementary Algebra. The course is designed to provide additional, formal support to students who are currently taking an Elementary Algebra. It includes a review of arithmetic, algebraic and geometric concepts that are relevant to their Elementary Algebra course, study strategies that promote understanding and improve performance, and more in-depth investigation of core concepts that are difficult for students to master. Embedded are learning skills such as growth mindset, brain research, time management, study skills, test taking, math anxiety and more. Corequisite: MATH 110 or NMAT 210. 54 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

**MATH 110E ELEMENTARY ALGEBRA A 2 UNITS
COREQUISITE SUPPORT**

This credit course is a co-requisite for Elementary Algebra A, the first half of Elementary Algebra. This course is only available through manual enrollment during the semester for students who are taking Elementary Algebra in the Emporium mode and are on track to complete at least the Elementary Algebra A material. This course will support students in achieving Elementary Algebra A learning goals by providing support around mastering the necessary arithmetic, algebraic and geometric concepts that are relevant to their Elementary Algebra A course. This course will provide study strategies that promote understanding and improve performance, more in-depth investigation of core concepts that are difficult for students to master, and learning skills. Prerequisite: MATH 107 with a minimum grade of C or MATH 107B with a minimum grade of C. Corequisite: MATH 110A. 36 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

**MATH 110F ELEMENTARY ALGEBRA B 2 UNITS
COREQUISITE SUPPORT**

This credit course is a co-requisite for Elementary Algebra B, the second half of Elementary Algebra. This course is only available through corequisite enrollment with an Elementary Algebra B course taken in the Emporium mode. This course will support students in achieving Elementary Algebra B learning goals by providing support around mastering the necessary arithmetic, algebraic and geometric concepts that are relevant to their Elementary Algebra B course. This course will provide study strategies that promote understanding and improve performance, more in-depth investigation of core concepts that are difficult for students to master, and learning skills. Prerequisite: MATH 110A with a minimum grade of C. Corequisite: MATH 110B. 36 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

MUSIC

The LPC Music Program offers a nurturing and personalized educational environment for all students who wish to pursue their passions in performance, composition, theory, music business, music technology, or music education. The program is designed to appeal to a broad range of incoming students, from relative beginners to experienced artists that wish to ultimately move into music as a profession. Students are encouraged to consult music faculty and LPC counselors for guidance when planning their transfer pathways to a four-year institution in this major.

Programs of Study

Degrees:

- AA-T - Music
- AA - Music

Certificates of Achievement:

- Commercial Music: Teaching Beginning Piano
- Commercial Music: Teaching Intermediate Piano
- Commercial Music: Music Business
- Commercial Music: Music Technology Fundamentals
- Commercial Music: Scoring For Film and Multimedia
- Jazz Studies

Career Opportunities

Career opportunities in Music with further study include but are not limited to: Performer, Music Educator, Composer, Engineer, Mixer, Mastering Engineer, Sound Designer, Music Supervisor, Accompanist, Arranger, Orchestrator, Musicologist, Music Editor, Music Therapist, Music Attorney, Publisher, Booking Agent, Tour Manager, Music Librarian, Music Theorist, Piano Tuner, Music Journalist, Entrepreneur.

AA-T – Music

About the Department

A student earning the Associate in Arts in Music for Transfer Degree will utilize the theoretical elements of music to improve performance; perform music with regard to good use of pitch, tone, balance and expression; read and memorize music; improvise (as appropriate) and interpret music. Courses in the Music Department are designed to fulfill the needs of music majors, professional musicians, and those whose interest is avocational or recreational. Completion of the Associate in Arts in Music for Transfer Degree will provide a streamlined pathway for transfer to a CSU campus with a Music or similar major. Students are encouraged to contact a counselor and consult the Catalog for guidance when planning to transfer to a four-year institution in this major. Although not required to receive the AA-T in Music, the LPC Music department strongly recommends that its AA-T students complete MUS 1 – Music Literature and piano courses MUS 21A and 21B in preparation for piano placement exams. Students entering the BA in Music will be required to take placement exams in music theory and piano and audition on their instrument.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education – Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Program Outcomes

- Upon completion of the AA-T in Music, students will be able to adhere to recognized standards of professionalism in a rehearsal setting.
- Upon completion of the AA-T in Music, students will be able to analyze, rehearse, and perform music in a variety of genres at a high level.
- Upon completion of the AA-T in Music, students will be able to play or sing on pitch in a section and ensemble as directed by a conductor.
- Upon completion of the AA-T in Music, students will utilize their knowledge of music theory and music history to analyze, interpret, and gain appreciation for musical works across a variety of genres.

Required Core: (16 Units)

MUS 8A (Music Theory and Musicianship 1) 4

MUS 8B (Music Theory and Musicianship 2) 4
 MUS 10A (Music Theory and Musicianship 3) 4
 MUS 10B (Music Theory and Musicianship 4) 4

Applied Music: Must take Four Semesters (4 Units)

MUS 38 (Applied Lessons) 4

Large Ensemble: Select Four (4 Units)

MUS 12 (Wind Ensemble) 1
 MUS 14 (Jazz Workshop) 1
 MUS 15 (Jazz Ensemble) 1
 MUS 16 (Philharmonic Orchestra) 1
 MUS 44 (Concert Choir) 1
 MUS 45 (Chamber Choir) 1
 MUS 46A (Beginning Jazz Choir) 1
 MUS 46B (Advanced Jazz Choir) 1
 MUS 17A (Jazz Combo 1) 1
 MUS 17B (Jazz Combo 2) 1

Total Units for the Major 24

Additional General Education and Elective Units 36

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Music

About the Degree

The Associate of Arts in Music offers a secure foundation for further study in music, and is designed to prepare students to transfer to many four year colleges. Courses in the Music Department will fulfill the needs of music majors, professional musicians, and those whose interest is recreational. Students who obtain this degree will have completed the common core of lower division courses, including piano courses required for a CSU baccalaureate degree in Music, as well as most UCs and private institutions.

Career Opportunities

Examples of careers for the music major include the following: Accompanist, Acoustician, Adjudicator/Clinician, Agent, Arranger Arts, Entertainment and Contract Attorney, Arts Journalist/ Reviewer, Arts/Personnel Management, Arts Marketing and Sales, Audio Production, Composer, Conductor, Copyist/Transcriber, Copyright Consultant, Cruise Ship Entertainer, Curator (Arts, Instruments and Manuscripts), Editor, Film/T.V./Video Game Composer, Foley Artist, Fundraiser/Grant Writer, Instrument Designer and Builder, Instrument Manufacturer, Intellectual Property Rights Attorney, Keyboard Technician/Piano Tuner, Lyricist, Music-Consultant, Music Librarian, Music Psychologist,

Music Store Owner, Music Theoretician, Music Therapist, Musical Theater/Pit Musician, Musicologist, Organ Builder/Tuner/Technician, Part Preparer, Performer, Producer, Proofreader, Music Educator, Music Publisher, Recording Session Musician, Songwriter, Sound and Stage Technician, Sound Designer, Sound Engineer, Tour/Road Manager.

Program Outcomes

- Upon completion of the AA in Music, students will be able to adhere to recognized standards of professionalism in a rehearsal setting.
- Upon completion of the AA in Music, students will be able to apply theoretical and analytical tools to musical compositions and performance practices.
- Upon completion of the AA in Music, students will be able to play or sing on pitch in a section and ensemble as directed by a conductor.
- Upon completion of the AA in Music, students will develop a general overview of music history and stylistic developments to inform performance and analysis.

Required Core: (22 Units)

MUS 8A (Music Theory and Musicianship 1)	4
MUS 8B (Music Theory and Musicianship 2)	4
MUS 10A (Music Theory and Musicianship 3)	4
MUS 10B (Music Theory and Musicianship 4)	4
MUS 21A (Beginning Piano)	1
MUS 21B (Beginning Piano: Intermediate)	1
MUS 38 * (Applied Lessons)	4

List A: Select Music Courses from Below (4 Units)

MUS 1 (Introduction to Music)	3
MUS 3 (World Music)	3
MUS 4 (Jazz in American Culture)	3
MUS 5 (American Cultures in Music)	3
MUS 18A (Jazz/Pop Piano 1)	1
MUS 18B (Jazz/Pop Piano 2)	1
MUS 19 (Studies in Music Composition)	3
MUS 23A (Elementary Voice I)	1
MUS 23B (Elementary Voice II)	1
MUS 20A (Elementary Guitar)	1
MUS 20B (Study of Guitar)	1
MUS 31 (Study of Piano)	1
MUS 33 (Study of Voice)	1
MUS 34 (Music in Film)	3
MUS 35 (Intro to Music Technology)	3
MUS 37 (Music Industry Career Development)	3
MUS 39 (Musical Theater Workshop)	2
MUS 47 (College Productions-Music)	1-4

List B: Select Performance Courses from Below (4 Units)

MUS 12 (Wind Ensemble)	1
MUS 14 (Jazz Workshop)	1
MUS 15 (Jazz Ensemble)	1
MUS 16 (Philharmonic Orchestra)	1
MUS 17A (Jazz Combo 1)	1

MUS 17B (Jazz Combo 2)	1
MUS 44 (Concert Choir)	1
MUS 45 (Chamber Choir)	1
MUS 46A (Beginning Jazz Choir)	1
MUS 46B (Advanced Jazz Choir)	1

Total Units for the Major 30

Additional General Education and Elective Units 30

Total Units 60

See the Las Positas College General Education Pattern for Associate of Arts Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

* To be taken four times

Certificate of Achievement Commercial Music: Teaching Beginning Piano

About the Certificate

The Certificate of Achievement in Commercial Music: Teaching Beginning Piano provides those who are current or prospective piano teachers with practical courses focused on the art of teaching beginning students of all ages, a core music theory and technique background, and essential entrepreneurship skills they will need to succeed in self-employment and/or working for a music school. This certificate includes classes from the business department in addition to the music department.

Career Opportunities

Career opportunities include, but are not limited to: Private Piano Teacher for beginning students of all ages, piano teacher based in a music studio, music school owner/operator, and group piano teacher.

Program Outcomes

- Upon completion of the Certificate of Achievement in Commercial Music: Teaching Beginning Piano, the students will be able to present new pieces to their students by explaining the form, compositional technique, style and mood of the piece, as well as the intent of the composer.

Required Core: (13 Units)

MUS 8A (Music Theory and Musicianship 1)	4
MUS 8B (Music Theory and Musicianship 2)	4
MUS 18A (Jazz/Pop Piano 1)	1
MUS 25 (Teaching Beginning Piano)	2
MUS 38 (Applied Lessons)	2

List A: Select Two (5-6 Units)

BUSN 58 (Small Business Management)	3
MKTG 61 (Professional Selling)	3

MUS 26 (Methods/Materials/Piano Teachers) 2
Total Units 18-19

**Certificate of Achievement
Commercial Music: Teaching
Intermediate Piano**

About the Certificate

The Certificate of Achievement in Commercial Music: Teaching Intermediate Piano provides students who are current or prospective piano teachers with practical courses focused on the art of teaching intermediate students of all ages, a core music theory and technique background, and essential entrepreneurship skills they will need to succeed in self-employment and/or working for a music school. This certificate includes classes from the business department in addition to the music department.

Career Opportunities

Career opportunities include, but are not limited to: Private Piano Teacher for beginning through intermediate students of all ages, piano teacher based in a music studio, music school owner/operator, and group piano teacher.

Program Outcomes

- Upon completion of the Certificate of Achievement in Commercial Music: Teaching Intermediate Piano, the students will be able to choose appropriate methods and repertoire for the intermediate student.
- Upon completion of the Certificate of Achievement in Commercial Music: Teaching Intermediate Piano, the students will be able to present new pieces to their students by explaining the form, compositional technique, style and mood of the piece, as well as the intent of the composer.

Required Core: (14 Units)

MUS 10A (Music Theory and Musicianship 3) 4
 MUS 10B (Music Theory and Musicianship 4) 4
 MUS 18A (Jazz/Pop Piano 1) 1
 MUS 27 (Teaching Intermediate Piano)..... 2
 MUS 28 (Keyboard Skills) 1
 MUS 38 (Applied Lessons)..... 2

List A: Select Two (6 Units)

BUSN 58 (Small Business Management) 3
 MKTG 61 (Professional Selling) 3
 MUS 1 (Introduction to Music) 3

Total Units 20

**Certificate of Achievement
Commercial Music: Music Business**

About the Certificate

This program is designed for students who wish to learn or enhance their skills in the music business and become prepared for a career in music business. Students will gain a solid foundation in essential areas such as music theory, promotion, publishing, marketing, licensing, contracts, accounting, music technology, and entrepreneurship.

Career Opportunities

Typical career options include booking agent, personal manager, business manager, concert promotion, studio owner/manager, music legal services, publicity writer/ public relations, tour management, music retail, music publishing and distribution, and music licensing.

Program Outcomes

- Upon completion of the Certificate of Achievement in Commercial Music: Music Business, students will be able to analyze and evaluate standard contracts and legal procedures in the music industry.
- Upon completion of the Certificate of Achievement in Commercial Music: Music Business, students will be able to develop a variety of approaches for marketing and promoting musical ensembles.
- Upon completion of the Certificate of Achievement in Commercial Music: Music Business, students will be able to develop strategies to solve challenges of self employment in the music industry.

Required Core: (18 Units)

BUSN 58 (Small Business Management) 3
 MKTG 61 (Professional Selling) 3
 MUS 4 (Jazz in American Culture) 3
 MUS 5 (American Cultures in Music) 3
 MUS 6 (Basic Music Skills)..... 2
 MUS 21A (Beginning Piano) 1
 MUS 37 (Music Industry Career Development) 3

List A: Select One (3 Units)

MUS 1 (Introduction to Music 3
 MUS 19 (Studies in Music Composition)..... 3
 MUS 35 (Intro to Music Technology) 3

Total Units 21

**Certificate of Achievement
Commercial Music: Music Technology
Fundamentals**

About the Certificate

The Certificate of Achievement in Commercial Music: Music Technology Fundamentals is designed for students who wish to learn or enhance their skills in the music technology and become proficient in industry standard software and equipment such as Logic, ProTools, Sibelius, and a variety of microphones. Completion of the program will give students the fundamental knowledge and hands-on experience needed to pursue a career in the field.

Career Opportunities

Careers in Music Technology include recording engineer, producer, sound technician, foley artist, live sound engineer, mastering engineer, recording mixer, music editor, sound designer, DJ/remixer.

Program Outcomes

- Upon completion of the Certificate of Achievement in Commercial Music: Music Technology Fundamentals, students will be able to engineer, mix, and notate music using industry-standard software and equipment.

Required Core: (9 Units)

MUS 6 (Basic Music Skills)	2
MUS 21A (Beginning Piano)	1
MUS 35 (Intro to Music Technology)	3
MUS 36 (Intermediate Music Technology)	3

List A: Select One (1 Unit)

MUS 12 (Wind Ensemble)	1
MUS 14 (Jazz Workshop)	1
MUS 17A (Jazz Combo 1)	1
MUS 44 (Concert Choir)	1
MUS 45 (Chamber Choir)	1
MUS 46A (Beginning Jazz Choir)	1

Total Units 10

Certificate of Achievement Commercial Music: Scoring for Film and Multimedia

About the Certificate

The Certificate of Achievement in Commercial Music: Scoring for Film and Multimedia program is designed for students who wish to learn or enhance their skills in the art of composition for film or other visual media, and become prepared for a career in music business. Students will gain a well-rounded knowledge of essential areas such as composition, music technology, music theory, keyboard skills, film music history, and entrepreneurship.

Career Opportunities

Film Composer, ADR, Production sound mixer, Sound Designer, Music Editor, Music Supervisor, Copyist, Orchestrator, Composer's Assistant, Video Game Music Composer, Synth/MIDI Programmer

Program Outcomes

- Upon completion of the Certificate of Achievement in Commercial Music: Scoring for Film and Multimedia, students will be able to conceptualize, compose, and produce musical cues for visual media.
- Upon completion of the Certificate of Achievement in Commercial Music: Scoring for Film and Multimedia, students will be able to communicate and collaborate with a director, conduct an effective spotting session, and revise cues according to feedback.

- Upon completion of the Certificate of Achievement in Commercial Music: Scoring for Film and Multimedia, students will be able to heighten the action on screen using themes, syntactic matching, orchestration and timbral changes.

Required Core: (18 Units)

MUS 19 (Studies in Music Composition)	3
MUS 22A (Scoring for Film and Multimedia 1)	3
MUS 22B (Scoring for Film and Multimedia 2)	3
MUS 35 (Intro to Music Technology)	3
MUS 36 (Intermediate Music Technology)	3
MUS 37 (Music Industry Career Development)	3

List A: Select One (3-4 Units)

MUS 8A (Music Theory and Musicianship 1)	4
MUS 34 (Music in Film)	3

List B: Select One (1 Unit)

MUS 18A (Jazz/Pop Piano 1)	1
MUS 21A (Beginning Piano)	1

Total Units 22-23

Certificate of Achievement Jazz Studies

About the Certificate

The Certificate of Achievement in Jazz Studies provides creative and innovative training in all styles of jazz for students who wish to become working professionals. Concentrations of study include performance, theory, ear training, history, improvisation, music industry studies, and keyboard skills. Students are provided many opportunities to hone their skills in ensemble settings, individual practice, and The program maintains an active articulation agreement with the California Jazz Conservatory in Berkeley, for those students who wish to go on to earn a BM in Jazz Studies.

Career Opportunities

Opportunities include but are not limited to: Jazz Performance, Jazz Accompaniment, Jazz Arranging Jazz Education, Jazz History, Jazz Journalism, Ensemble Direction, and Music Entrepreneurship.

Program Outcomes

- Upon completion of the Certificate of Achievement in Jazz Studies, students will be able to perform, arrange, and compose jazz literature.
- Upon completion of the Certificate of Achievement in Jazz Studies, students will be able to analyze and interpret harmonic, melodic, and formal elements of solos by jazz improvisation masters.
- Upon completion of the Certificate of Achievement in Jazz Studies, students will be able to rehearse and practice effectively.

Required Core: (18 Units)

MUS 4 (Jazz in American Culture)	3
----------------------------------	---

MUS 8A (Music Theory and Musicianship 1)	4
MUS 8B (Music Theory and Musicianship 2)	4
MUS 18A (Jazz/Pop Piano 1)	1
MUS 37 (Music Industry Career Development)	3
MUS 38 * (Applied Lessons)	2
MUS 48 (Improvisation Lab)	1

List A: Select Two (2 Units)

MUS 14 (Jazz Workshop)	1
MUS 15 (Jazz Ensemble)	1
MUS 17A (Jazz Combo 1)	1
MUS 17B (Jazz Combo 2)	1
MUS 46A (Beginning Jazz Choir)	1
MUS 46B (Advanced Jazz Choir)	1

Total Units **20**

* Must take two semesters of Applied Lessons

Music Courses (MUS)

MUS 1 INTRODUCTION TO MUSIC 3 UNITS

Music for enjoyment and understanding through informed listening, analysis, evaluation and discernment of musical elements, forms, and repertoire. Attendance at concerts and listening to a variety of music may be required. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A; C-ID# MUS 100.

Degree Applicable, Credit Grading Option: GR

MUS 3 WORLD MUSIC 3 UNITS

The study of the folk and art music of world cultures. Includes the traditional music of Sub-Saharan Africa, Middle East, China, Japan, Indonesia, India, Latin America, Europe, and Native American. Attendance at world music concerts is required. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

Degree Applicable, Credit Grading Option: OP

MUS 4 JAZZ IN AMERICAN CULTURE 3 UNITS

History, trends and influences of the phenomenon of jazz through integration of the cultures of (but not limited to) European-American and the Latin-American communities. Required listening, reading and concert attendance will guide the student to value jazz as a form of self expression and improve the ability to listen and understand the various eras in jazz from pre-Dixieland to present day. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

Degree Applicable, Credit Grading Option: GR

MUS 5 AMERICAN CULTURES IN MUSIC 3 UNITS

Music in twentieth century United States through the study of contributions of three selected groups from the following: African-Americans, Latin-Americans, Asian-Americans, European-Americans, and Native Americans. Emphasis on understanding diverse styles, and on integrating these styles into American music. Concert, religious, and folk-pop music will be included. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

Degree Applicable, Credit Grading Option: OP

MUS 6 BASIC MUSIC SKILLS 2 UNITS

Essentials of music through notation, times elements, melody, harmony, and tonality, texture, dynamics and knowledge of the keyboard. Sight singing and ear training. 36 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; C-ID# MUS 110.

Degree Applicable, Credit Grading Option: OP

MUS 8A MUSIC THEORY AND MUSICIANSHIP 1 4 UNITS

Elements of diatonic harmony through part writing and ear training exercises as typified by musical practice from 1600 to the present. Includes keys, modes, scales, tonality, intervals, solfeggio, consonance/dissonance, rhythmic organization, chord structures, chord and interval recognition, melodic and rhythmic dictation, voice leading principles, non-chord tones, four-part voice leading with selected primary and secondary chords, and figured bass realization. Strongly Recommended: MUS 6 with a minimum grade of C, MUS 21A with a minimum grade of C. 63 hours lecture, 27 hours laboratory. Transfer: CSU, UC; CSU GE: C1; IGETC 3A; C-ID# MUS 120, MUS 125.

Degree Applicable, Credit Grading Option: OP

MUS 8B MUSIC THEORY AND MUSICIANSHIP 2 4 UNITS

Continues diatonic harmony through part writing and ear training exercises as typified by musical practice from 1600 to the present, continues solfeggio, chord recognition, melodic and rhythmic dictation, voice leading involving four-part choral writing, and figured bass realization. Introduces harmonic dictation, cadential elaboration, non-dominant seventh chords, and an introduction to secondary/applied chords and modulation. Prerequisite: MUS 8A with a minimum grade of C. Strongly Recommended: MUS 21A with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A; C-ID# MUS 130, MUS 135.

Degree Applicable, Credit Grading Option: OP

MUS 10A MUSIC THEORY AND MUSICIANSHIP 3 4 UNITS

This course incorporates the concepts from the Mus 8 series. In addition, through analysis and composition, the course will include: introduction to chromatic harmony; secondary/applied chords; modulation; borrowed chords; introduction to Neapolitan and augmented-sixth chords. Mus 10A also applies and develops the rhythmic, melodic, and harmonic materials of the musicianship portion of Mus 8 series through ear training, sight singing, analysis, and dictation. Prerequisite: MUS 8B with a minimum grade of C. 54 hours lecture, 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID# MUS 140, MUS 145.

Degree Applicable, Credit Grading Option: OP

MUS 10B MUSIC THEORY AND MUSICIANSHIP 4 4 UNITS

This course incorporates the concepts from Music 10A. In addition, through analysis and composition, the course will include: post-Romantic techniques such as borrowed chords and modal mixture, chromatic mediants, Neapolitan and augmented-sixth chords, 9th,

11th and 13th chords, altered chords and dominants; and 20th century techniques such as: Impressionism, tone rows, set theory, pandiatonicism and polytonalism, meter and rhythm. This course also applies and develops the rhythmic, melodic, and harmonic materials of MUS 10A through ear training, sight singing, analysis, and dictation. Prerequisite: MUS 10A with a minimum grade of C. 54 hours lecture, 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID# MUS 150, MUS 155.

Degree Applicable, Credit Grading Option: OP

MUS 12 WIND ENSEMBLE 1 UNIT

Wind ensemble repertoire of all styles and periods. Emphasis on group participation and public performance. Attendance at all scheduled performances required. Enrollment is subject to a standardized audition demonstrating musical ability and technical proficiency suitable to the course level. 72 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID# MUS 180. Number of times course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: OP

MUS 13 HISTORY OF ROCK & ROLL 3 UNITS

A cultural survey of original American music traditions, forms and trends influenced by cultural, socio-economic, socio-political and economic changes including blues, jazz, early rock, the "British invasion," rap, hip hop culture, Latino rock, heavy metal, jazz-rock fusion, electronic, modern rock, and pop. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

Degree Applicable, Credit Grading Option: OP

MUS 14 JAZZ WORKSHOP 1 UNIT

Reading, preparation and performance of contemporary Jazz music. Opportunity to apply improvisation techniques in a group setting. 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID# MUS 180. Number of times course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: OP

MUS 15 JAZZ ENSEMBLE 1 UNIT

This course is for the study, rehearsal, and public performance of standard jazz ensemble literature, with an emphasis on the development of skills needed to perform within an ensemble. New literature will be studied each term so that different technical and artistic issues are addressed. Opportunities to arrange and compose for the ensemble as well as to conduct. Opportunity to apply improvisation techniques in a group setting. 54 hours laboratory. Transfer: CSU, UC; C-ID# MUS 180. Number of times course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: OP

MUS 16 PHILHARMONIC ORCHESTRA 1 UNIT

This course is for the study, rehearsal, and public performance of the standard Classical orchestra literature, with an emphasis on the development of skills needed to perform within an ensemble. Different literature is studied each semester so that different technical, historical and artistic issues are addressed. Attendance at all scheduled performances is required. Audition required. 54 hours laboratory. Transfer: CSU, UC; C-ID# MUS 180. Number of times course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: OP

MUS 17A JAZZ COMBO 1 1 UNIT

For instrumentalists who want experience in performing and interpreting small-group literature. The music literature will cover important aspects of Jazz band development and works of all styles and periods. Emphasis will be on articulations, stylistic differences, composition, arranging, and common performance practices of the various periods of music. Enrollment by audition only. Strongly Recommended: MUS 18A with a minimum grade of C, MUS 6 with a minimum grade of C. 54 hours laboratory. Transfer: CSU, UC; C-ID# MUS 180, MUS 185. Number of times course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: OP

MUS 17B JAZZ COMBO 2 1 UNIT

For intermediate/advanced instrumentalists who want to continue what they learned in 17A by performing, composing, and arranging small-group literature. Enrollment by audition only. Prerequisite: MUS 17A with a minimum grade of C. 54 hours laboratory. Transfer: CSU, UC; C-ID# MUS 180. Number of times course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: OP

MUS 18A JAZZ/POP PIANO 1 1 UNIT

Voicing, chords, and guidelines for interpretation of lead sheets in a variety of genres for the contemporary pianist. Emphasis on improvisation, accompaniment, bass lines, grooves, and reharmonization. Strongly Recommended: MUS 21A with a minimum grade of C. 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

MUS 18B JAZZ/POP PIANO 2 1 UNIT

Building on the content offered in Music 18A, this course offers more advanced voicings, chords, and guidelines for interpretation of lead sheets in a variety of genres for the contemporary pianist. The student learns chords and chord progressions used in jazz and popular music styles as applied to the keyboard, focusing on chromatic seventh chords and sequences, chord extensions and advanced rhythmic concepts. Prerequisite: MUS 18A with a minimum grade of C. 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

MUS 19 STUDIES IN MUSIC COMPOSITION 3 UNITS

Presents a technical and historical analysis of works in various music languages. Students will compose individual pieces to be performed by college-based music ensembles. Strongly Recommended: MUS 8A with a minimum grade of B. 54 hours lecture. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

MUS 20A ELEMENTARY GUITAR 1 UNIT

Beginning guitar using a combination of folk and classic approaches to playing technique, utilizing basic scales and chords in first position, and music notation. Strongly Recommended: MUS 6 with a minimum grade of C. 54 hours laboratory. AA/AS GE. Transfer:

CSU, UC.

Degree Applicable, Credit Grading Option: OP

MUS 20B STUDY OF GUITAR 1 UNIT

Development of skills and knowledge from Music 20A. Emphasis on playing techniques and performance. Designed for the intermediate and advanced performer. Prerequisite: MUS 20A with a minimum grade of C. 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

MUS 20C ADVANCED GUITAR 1 UNIT

Development of skills and knowledge from Music 20B. Emphasis on advanced playing techniques and performance. Designed for the advanced performer. Prerequisite: MUS 20B with a minimum grade of C. 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

MUS 21A BEGINNING PIANO 1 UNIT

Group instruction in piano for the absolute beginner with emphasis on developing technique, reading music, and performing. Strongly Recommended: MUS 6. 54 hours laboratory. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

MUS 21B BEGINNING PIANO: INTERMEDIATE 1 UNIT

Development of skills learned in Music 21A. Emphasis on further development of technique and performance. Prerequisite: MUS 21A with a minimum grade of C. 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

MUS 22A SCORING FOR FILM AND MULTIMEDIA 1 3 UNITS

Applications and techniques of composition and sound effects for film and other visual media. Musical and technical elements of producing digital audio tracks are covered. Prerequisite: MUS 35 with a minimum grade of C (May be taken concurrently). 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MUS 22B SCORING FOR FILM AND MULTIMEDIA 2 3 UNITS

Building on material covered in Scoring for Film and Multimedia 1, students will continue to hone compositional technique for film and other visual media. Upon successful completion of this course, students will be prepared to enter the film music industry with necessary skill sets to succeed. Prerequisite: MUS 22A with a minimum grade of C. Strongly Recommended: MUS 36 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MUS 23A ELEMENTARY VOICE I 1 UNIT

Group singing with emphasis on solo performance. Tone production, breathing, diction, and interpretation in regard to song literature. Strongly Recommended: MUS 6. 54 hours laboratory. AA/AS GE.

Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

MUS 23B ELEMENTARY VOICE II 1 UNIT

Development of skills learned in Music 23A. Emphasis on further development of vocal production and performance. Prerequisite: MUS 23A with a minimum grade of C. 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

MUS 25 TEACHING BEGINNING PIANO 2 UNITS

Principles of successful piano teaching with emphasis upon development of technique and reading ability in beginner level students; private and group piano teaching methods; personal development as teacher and musician. Observation of piano lessons or classes and supervised practice teaching of private or class piano students may be required. Intended for pianists with intermediate or advanced skills. Strongly Recommended: MUS 21B. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MUS 26 METHODS/MATERIALS/PIANO TEACHERS 2 UNITS

Examination of various methods for use in teaching piano; setting up a teaching studio and maintaining the business; finding and selecting supplementary literature; preparing for recitals and other special events. Intended for pianists with intermediate or advanced skills who are engaged in the teaching of piano or who would like to prepare to teach. Strongly Recommended: MUS 21B with a minimum grade of C. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MUS 27 TEACHING INTERMEDIATE PIANO 2 UNITS

Principles of successful piano teaching with emphasis upon continued development of technique and reading ability in intermediate level students; private and group piano teaching methods; selection of intermediate literature; Baroque, Classical, Romantic and 20th Century styles; studio organization and personal development as teacher and musician. Observation of piano lessons or classes and supervised practice teaching of private or class piano students may be required. Intended for pianists with intermediate or advanced skills. Strongly Recommended: MUS 21B. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MUS 28 KEYBOARD SKILLS 1 UNIT

Emphasis on correct harmonization of melodies with various styles of piano accompaniments; transposition; improvisation; modulation; sight reading; principles of accompanying soloists and groups; ensemble playing; playing by ear. Frequent solo and ensemble performances in class. Intended for piano teachers or classroom music teachers. Strongly Recommended: MUS 21B with a minimum grade of C. 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

MUS 29 INDEPENDENT STUDY, MUSIC 0.5-2 UNITS

Supervised study in the area of Music. Any student interested in registering for an Independent Studies course should contact a full/part-time instructor or dean in the appropriate area. 27-108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MUS 31 STUDY OF PIANO 1 UNIT

Development of functional piano skill. Designed for knowledge and skill of intermediate or advanced level. Prerequisite: MUS 21B with a minimum grade of C. 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

MUS 33 STUDY OF VOICE 1 UNIT

Individual improvement of the technical facility, tone quality, and range of the singing voice in solo performances; designed to extend knowledge of the literature in general and help acquire a basic repertory. Required for voice majors. Prerequisite: MUS 23B with a minimum grade of C. 18 hours lecture. AA/AS GE. Transfer: CSU, UC; C-ID# MUS 160. Number of times course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: OP

MUS 34 MUSIC IN FILM 3 UNITS

The class traces the history and development of film music through reading, lecture and film viewing. The class studies the process of film scoring and how music and its relationship to film have changed over the last century. Class includes discussion and evaluation of different compositional styles and learning to listen critically to film scores while viewing movies. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1, C2; IGETC: 3A, 3B.

Degree Applicable, Credit Grading Option: OP

MUS 35 INTRO TO MUSIC TECHNOLOGY 3 UNITS

This course covers the following basic aspects of music technology: computer skills, software-based sequencing, synthesis, MIDI, sampling, notation, principles of sound, microphones, introduction to digital audio, signal processing, mixers and mixing, recording principles, cables and interconnects, and audio in live performance. 54 hours lecture. Transfer: CSU; C-ID# CMUS 100 X, CMUS 130 X.

Degree Applicable, Credit Grading Option: OP

MUS 36 INTERMEDIATE MUSIC TECHNOLOGY 3 UNITS

This course is the 2nd level course in the music technology series. Topics include intermediate/advanced computer skills, software-based sequencing, synthesis, MIDI, sampling, notation, principles of sound, microphones, introduction to digital audio, signal processing, mixers and mixing, recording principles, cables and interconnects, and audio in live performance. Prerequisite: MUS 35 with a minimum grade of C. 54 hours lecture. Transfer: CSU; C-ID# CMUS 110 X, CMUS 120 X.

Degree Applicable, Credit Grading Option: OP

MUS 37 MUSIC INDUSTRY CAREER DEVELOPMENT 3 UNITS

Career opportunities and business practices in the music industry. Focus on career options and development, artist management, unions, music merchandising, music for film and digital media, and concert promotion. 54 hours lecture. AA/AS GE. Transfer: CSU; C-ID# CMUS 140 X.

Degree Applicable, Credit Grading Option: OP

MUS 38 APPLIED LESSONS 1 UNIT

Individualized study of the appropriate techniques and repertoire for the specific instrument or voice being studied. The emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. Enrollment subject to a standardized audition demonstrating basic competencies in technique and musicianship in their major performance medium. Corequisite: MUS 8A or MUS 8B or MUS 10A or MUS 10B and MUS 12 or MUS 14 or MUS 15 or MUS 16 or MUS 45 or MUS 46A. 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID# MUS 160. Number of times course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: OP

MUS 39 MUSICAL THEATER WORKSHOP 2 UNITS

Training in performance skills for musical theatre with emphasis on vocal production, technique, and style. Corequisite: THEA 39A or THEA 39B or THEA 39C. 36 hours lecture. Transfer: CSU, UC. Number of times course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: GR

MUS 44 CONCERT CHOIR 1 UNIT

Development of sufficient vocal and music ability to interpret and perform a variety of vocal chamber music. Designed for singers with choral ensemble experience. Audition required. 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID# MUS 180. Number of times course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: OP

MUS 45 CHAMBER CHOIR 1 UNIT

Development vocal and musical ability to effectively study, interpret, and perform choral literature. Designed for vocalists with previous classical ensemble experience. Strongly Recommended: MUS 6 with a minimum grade of C, MUS 44 with a minimum grade of C. 54 hours laboratory. AA/AS GE. Transfer CSU, UC; C-ID# MUS 180. Number of times course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: OP

MUS 46A BEGINNING JAZZ CHOIR 1 UNIT

The various aspects of performing in a vocal jazz ensemble. Emphasis on developing the rudiments of vocal jazz technique. Strongly Recommended: MUS 6. 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID# MUS 180, MUS 185. Number of times course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: OP

MUS 46B ADVANCED JAZZ CHOIR 1 UNIT

The various aspects of performing in a vocal jazz ensemble. Emphasis on developing advanced vocal jazz technique. Prerequisite: MUS 46A with a minimum grade of C. 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID# MUS 180, MUS 185. Number of times

course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: OP

MUS 47 COLLEGE PRODUCTIONS 1-5 UNITS
MUSIC

Participation in scheduled music productions. Includes music support for drama productions, college musicals, and other major performances. Enrollment is for the duration of the production, and by audition only. 54-270 hours laboratory. Transfer: CSU, UC. Number of times course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: GR

MUS 48 IMPROVISATION LAB 1 UNIT

This course exposes students to the fundamental concepts and skills any improviser needs to succeed in a group setting. The course is open to any instrumentalist or vocalist with no audition or experience in jazz required. The course is intended to prepare students for established advanced jazz ensembles in the department like Jazz Combos, Jazz Band, and Vocal East. Emphasis will be on group activities, independent practice, basic theory concepts, and performance. Strongly Recommended: MUS 6 with a minimum grade of C or MATH 8A with a minimum grade of C. 54 hours laboratory. Transfer: CSU. Number of times course may be taken for credit: 4.

Degree Applicable, Credit Grading Option: OP

NONCREDIT COMPUTER INFORMATION SYSTEMS

The Computer Information Systems Department at Las Positas College offers tuition-free, noncredit courses that provide a pathway into the Computer Information Systems and Computer Networking Technology credit programs specifically in the fields of cybersecurity and networking technologies.

Noncredit Computer Information Systems Courses (NCIS)

NCIS 201 CYBERSECURITY CAMP 0 UNITS

This course will introduce the novice to cybersecurity career opportunities, cyber ethics, online safety, and cyber threats. Students will be introduced to cybersecurity principles, virtual machines, basic Windows and Linux administration security policies, fundamental CISCO network routing and CISCO packet tracer. As a culminating activity students will compete by analyzing and fixing vulnerabilities on the provided Windows and Linux images. 40 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP/SP

NCIS 202 CYBERSECURITY 0 UNITS
COMPETITION PREP

This course prepares students to participate in cyber security competitions (CyberPatriot, National Cyber League, etc). Topics include an overview of cyber competitions, virtual machines, Linux operating systems and administration, Windows operating systems and administration, CISCO networking, and packet tracer. Through business scenarios, students will create checklists of potential vulnerabilities and work in teams to secure networks and sensitive data. 30 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP/SP

NONCREDIT ENGLISH

The English Department offers a tuition-free, noncredit English course that provides secondary-level reading and writing skills to prepare students for further college coursework, including in career and technical programs, and to support other academic, personal, and professional goals.

Noncredit English Courses (NENG)

NENG 204 INTEGRATED READING AND 0 UNITS
WRITING II

An accelerated one-semester preparation in English for success in college. Integrates reading, critical thinking and writing assignments, using materials that present a variety of perspectives from across the curriculum. 108 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NONCREDIT ENGLISH AS A SECOND LANGUAGE

The ESL Department at Las Positas College offers tuition-free, noncredit courses designed to help students become proficient in English. Noncredit English as a Second Language courses lead to a College Grammar Pathway Certificate of Competency, and/or a College Reading and Writing Pathway Certificate of Competency. Most classes in the ESL Department are mirrored and can be taken for credit or noncredit.

Programs of Study

Certificates of Competency:

- ESL College Grammar Pathway
- ESL College Reading and Writing Pathway

Certificate of Competency ESL College Grammar Pathway

About the Certificate

The ESL College Grammar Pathway provides a supportive, noncredit pathway into transfer level ESL courses. The curriculum emphasizes rigorous study of the foundational English language skill of grammar with a special focus on application in reading and writing. Students have the opportunity to take a sequence of four courses, from beginning to intermediate, which will help in developing vocabulary, reading, writing, speaking and listening skills. Students who successfully complete the pathway will be able to enroll in UC and CSU transfer level ESL classes, and will be better prepared to pursue their educational goals, including language learning, transfer, Associate's Degree, certificate, or CTE.

Required Core: Select One or More (54-162 Hours)

NESL 230A (Beginning Grammar for Reading and Writing) 54
 NESL 230B (High-Beginning Grammar for Reading and Writing) 54
 NESL 220A (Intermediate Grammar for Reading and Writing)..... 54

Capstone: (54 Hours)

NESL 220B (High-Intermediate Grammar for
 Reading and Writing)..... 54

Total Hours 108-216

Certificate of Competency ESL College Reading and Writing Pathway

About the Certificate

The ESL College Reading and Writing Pathway provides a supportive, noncredit pathway into transfer level ESL courses. Students have the opportunity to take a sequence of four courses, from beginning to intermediate, which will focus on reading and writing, grammar, vocabulary development, and speaking and listening skills. The curriculum emphasizes rigorous study of the foundational English language skills of reading, writing, and grammar. Students who successfully complete the pathway will be able to enroll in UC and CSU transfer level ESL classes, and will be better prepared to pursue their educational goals, including language learning, transfer, Associate's Degree, certificate, or CTE.

Required Core: Select One or More (126-378 Hours)

NESL 231A (Beginning Reading and Writing)..... 126
 NESL 231B (High-Beginning Reading and Writing) 126
 NESL 221A (Intermediate Reading and Writing) 126

Capstone: (126 Hours)

NESL 221B (High-Intermediate Reading and Writing)..... 126

Total Hours 252-504

Noncredit English as a Second Language Courses (NESL)

NESL 220A INTERMEDIATE GRAMMAR 0 UNITS FOR READING AND WRITING

This is the first semester of a one-year course in intermediate grammar for academic writing and reading designed to enable students to identify, comprehend, and use linguistic forms accurately, meaningfully and appropriately in reading and writing. The course focuses on types of sentences, clauses, and phrases, word order, verb forms, verb tenses, and on the connection between vocabulary and grammar. Students are advised to enroll concurrently in NESL 220A and NESL 221A, and ESL 123 or ESL 126. Prerequisite: NESL 230B with a minimum grade of P or ESL 130B with a minimum grade of P or placement through the ESL assessment process. 54 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NESL 220B HIGH-INTERMEDIATE 0 UNITS GRAMMAR FOR READING AND WRITING

This is the second semester of a one-year course in intermediate grammar for academic writing and reading designed to enable students to use linguistic forms accurately, meaningfully and appropriately in written expression. The course focuses on types of

sentences, clauses, phrases, word order, verb forms, verb tenses, and on the connection between vocabulary and grammar. This course also emphasizes analyzing grammar and meaning and detecting and correcting grammatical errors. Students are advised to enroll concurrently in NESL 220B and NESL 221B, and ESL 123 or ESL 126. Prerequisite: NESL 220A with a minimum grade of P or ESL 120A with a minimum grade of P or placement through the ESL assessment process. 54 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NESL 221A INTERMEDIATE READING AND WRITING 0 UNITS

This is the first semester of a one-year course in intermediate academic writing and reading. Classes will focus on writing sentences, paragraphs and compositions, developing strategies for reading comprehension and flexibility, on interactive reading, and on academic vocabulary development. Students will develop cultural understanding, vocabulary, and fluency through a variety of academic writing and reading tasks. Students are advised to enroll concurrently in NESL 220A and NESL 221A, and ESL 123 or ESL 126. Prerequisite: NESL 231B with a minimum grade of P or ESL 131B with a minimum grade of P or placement through ESL assessment process. 126 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NESL 221B HIGH-INTERMEDIATE READING AND WRITING 0 UNITS

This is the second semester of a one-year course in intermediate academic writing and reading. Classes will focus on writing sentences, paragraphs and compositions, developing strategies for reading comprehension and flexibility, on interactive reading, and academic vocabulary development. Students will develop cultural understanding and fluency through a variety of academic writing and reading tasks. Students are advised to enroll concurrently in NESL 221B and NESL 220B, and ESL 123 or ESL 126. Prerequisite: NESL 221A with a minimum grade of P or ESL 121A with a minimum grade of P or placement through ESL assessment process. 126 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NESL 230A BEGINNING GRAMMAR FOR READING AND WRITING 0 UNITS

This is the first semester of a one-year course in beginning grammar for academic purposes designed to enable students to understand and use English accurately, meaningfully and appropriately. The course focuses on the connection between vocabulary and grammar, simple and compound sentences, phrases, verb forms, and verb tenses, especially simple present, simple past, and present progressive. Students are advised to enroll concurrently in NESL 230A and NESL 231A, and ESL 133 or ESL 136. Strongly Recommended: Placement through the ESL assessment process. 54 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NESL 230B HIGH - BEGINNING GRAMMAR FOR READING AND WRITING 0 UNITS

This is the second semester of a one-year course in beginning grammar for academic purposes designed to enable students to

identify and use linguistic forms accurately, meaningfully and appropriately in written expression. The course focuses on simple and compound sentences, word order, verb tenses: simple present, past, and future as well as present and past progressive, verb forms, modals, phrases, and vocabulary development. Students are advised to enroll concurrently in NESL 230B, NESL 231B, and ESL 133 or ESL 136. Prerequisite NESL 230A with a minimum grade of P or ESL 130A with a minimum grade of P or placement through the ESL assessment process. 54 hours lecture.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NESL 231A BEGINNING READING AND WRITING 0 UNITS

This is the first semester of a one-year course in beginning academic writing and reading. Classes will focus on writing simple and compound sentences in short paragraphs, on developing strategies for increasing reading comprehension and flexibility, on interactive reading, and on developing academic vocabulary. Students will develop cultural understanding and fluency through a variety of writing and reading tasks. Students are advised to enroll concurrently in NESL 231A and NESL 230A, and ESL 133 or ESL 136. Strongly Recommended: Appropriate skill level demonstrated through the ESL assessment process. 126 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NESL 231B HIGH-BEGINNING READING AND WRITING 0 UNITS

This is the second semester of a one-year course in beginning academic writing and reading. Classes will focus on writing simple, compound, and complex sentences in structured paragraphs, on developing strategies for increasing reading comprehension and flexibility, on interactive reading, and on developing academic vocabulary. Students will develop cultural understanding and fluency through a variety of writing and reading tasks. Students are advised to enroll concurrently in NESL 231B and NESL 230B, and ESL 133 or ESL 136. Prerequisite: NESL 231A with a minimum grade of P or ESL 131A with a minimum grade of P or Placement through ESL assessment process. 126 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NONCREDIT HORTICULTURE

The Horticulture Department at Las Positas College offers short-term, tuition-free, noncredit courses and a skills program designed to provide students both educational and vocational opportunities. A certificate will not only validate participation in the program, but it will also enhance the opportunities to secure gainful entry-level employment. The program is open to all and specifically designed for students that have difficulty in a traditional classroom setting.

Programs of Study

Certificates of Completion:

- Horticulture

Certificate of Completion Horticulture

About the Certificate

This Horticulture program is a short-term (typically one year) noncredit program. It is a career technical education program designed to prepare students for work in entry level horticultural fields, such as nursery, garden center, or landscape maintenance employment. The program will also aid students in preparing for college level courses in Horticulture.

Career Opportunities

Employment opportunities include working in fields related to retail nurseries and garden centers, wholesale nurseries or plant growers, landscape maintenance with either landscape contractors or various public agencies, interior plantscaping and plant rentals, and urban agriculture.

Required Core: (128 Hours)

NHRT 201 (Fundamentals of Horticulture).....	32
NHRT 202 (Landscape and Garden Maintenance)	32
NHRT 203 (Nursery and Garden Center Practices)	32
NHRT 204 (Landscape and Garden Planning)	32

Total Hours 128

Noncredit Horticulture Courses (NHRT)

NHRT 201 FUNDAMENTALS OF HORTICULTURE 0 UNITS

This is an eight week short-term vocational horticulture course with lessons and lab activities are designed for students that have difficulty in a traditional classroom setting. Students will learn basic

horticultural skills used in landscape, nursery, organic garden, and greenhouse settings. Safety training will be incorporated throughout the course. 32 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NHRT 202 LANDSCAPE AND GARDEN MAINTENANCE 0 UNITS

This is an eight week short-term vocational horticulture course with lessons and lab activities are designed for students that have difficulty in a traditional classroom setting. Students will demonstrate basic skills and safety procedures used in lawn maintenance, tree and shrub pruning, basic irrigation repair, and organic weed control strategies. 32 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NHRT 203 NURSERY AND GARDEN CENTER PRACTICES 0 UNITS

This is an eight week short-term vocational horticulture course with lessons and lab activities are designed for students that have difficulty in a traditional classroom setting. Students will demonstrate basic skills used in plant identification, nursery and garden center operations, plant propagation, and sales presentation. 32 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NHRT 204 LANDSCAPE AND GARDEN PLANNING 0 UNITS

This is an eight week short-term vocational horticulture course with lessons and lab activities are designed for students that have difficulty in a traditional classroom setting. Students will visit examples of well-planned gardens, recognize and implement a simple garden plan, and participate in the marketing of garden plants to fulfill landscape and garden goals. 32 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NONCREDIT MATHEMATICS

The Mathematics Department at Las Positas College offers a wide range of tuition-free, noncredit courses and programs designed to help students be successful in mathematics, from student learning support to being a math tutor. Course offerings include sections from our award-winning Math Jam program, foundational math classes in Prealgebra and Algebra, and our new concurrent support courses. Students interested in developing their tutoring skills can take training courses in our Math Jam mode. Most classes are mirrored in the math department and can be taken for noncredit or credit.

Programs of Study

Certificates of Competency:

- College Mathematics Pathway
- College Mathematics Support
- Foundational Mathematics Pathway
- Foundational Mathematics Support
- Math Jam for College Mathematics
- Math Jam for Foundational Mathematics

Certificates of Completion:

- Math Jam Tutor Pathway

Certificate of Competency College Mathematics Pathway

About the Certificate

The Math Course Pathway to an Associate's Degree Program is a noncredit pathway for students to develop the mathematical skills necessary at Las Positas to earn an Associate's (AA/AS). Embedded are essential study and life skills to help each student succeed in credit math courses and beyond. Students can then choose a capstone noncredit intermediate algebra level course based on their field of interest. Noncredit Intermediate Algebra for SLAM (Statistics or Liberal Arts Math) or Intermediate Algebra for BSTEM (Business, Science, Technology, Engineering or Mathematics) continues to offer students rigorous, holistic supports during the semester. Successful students may petition to get credit for the intermediate algebra course of their choice, and hence satisfy the math requirement for an Associate's Degree. Research at our college and similar community colleges have shown that supports such as these have a huge impact on student retention and success rates.

Program Outcomes

- Upon successful completion of the Certificate of Competency in College Mathematics Pathway, the student should be able to use symbolic, graphical, numerical, and written representations of

mathematical ideas.

- Upon successful completion of the Certificate of Competency in College Mathematics Pathway, the student should be able to learn mathematics through modeling real-world situations.
- Upon successful completion of the Certificate of Competency in College Mathematics Pathway, the student should be able to read, write, listen to, and speak mathematics with understanding.
- Upon successful completion of the Certificate of Competency in College Mathematics Pathway, the student should be able to use appropriate technology to enhance their mathematical thinking and understanding, solve mathematical problems, and judge the reasonableness of their results.
- Upon successful completion of the Certificate of Competency in College Mathematics Pathway, the student should be able to use mathematical reasoning and, when appropriate, a general problem solving process to solve problems

Required Core: Select One or Two (72-180 Hours)

NMAT 207 (Pre-Algebra)	108
NMAT 210 (Elementary Algebra)	72

Capstone: Select One (90-108 Hours)

NMAT 250 (Intermediate Algebra for SLAM)	108
NMAT 255 (Intermediate Algebra for BSTEM)	90

Total Hours **162-288**

Certificate of Competency College Mathematics Support

About the Certificate

College Mathematics Support is a noncredit program for all Las Positas College students. This pathway is designed to offer students prior and concurrent support as they prepare for the credit transfer-level math course required to transfer. Embedded are essential study and life skills to develop each student holistically as well as rigorous learning support of prerequisite and key math concepts. Prior to starting math courses, Math Jam assists students prepare for their target transfer-level math course required to transfer to a four-year program based on their educational goal. During the semester, concurrent support courses enable students to receive rigorous prerequisite review of math concepts and study skills to apply in their math classes. Research at our college and similar community colleges have shown that supports such as these have a huge impact on student retention and success rates.

Program Outcomes

- Upon successful completion of the Certificate of Competency in College Mathematics Support, the student should be able to formulate short-term and long-term learning objectives based on their academic goal(s). Students in this program have a goal to develop their knowledge, skills and abilities in preparing transfer.
- Upon successful completion of the Certificate of Competency

in College Mathematics Support, the student should be able to demonstrate the appropriate skills necessary to become a more productive, successful, and independent learner.

- Upon successful completion of the Certificate of Competency in College Mathematics Support, the student should be able to use prerequisite topics effectively in their target mathematics course.
- Upon successful completion of the Certificate of Competency in College Mathematics Support, the student should be able to learn and apply study skills and life skills that will improve the student's likelihood of succeeding in their academic goals (examples of topics include brain research, identifying their individual growth mindset, personal time management, test taking and conquering math anxiety strategies, etc.).

Required Core: Select One or More (30-408 Hours)

NMAT 261 (Math Jam for Prealgebra Preparation).....	30-60
NMAT 262 (Math Jam for Elementary Algebra Preparation) ...	30-60
NMAT 263 (Math Jam for Intermediate Algebra Preparation).....	30-60
NMAT 264 (Math Jam for SLAM Preparation)	30-60
NMAT 265 (Math Jam for BSTEM Preparation).....	30-60
NMAT 210C (Concurrent Support for Elementary Algebra).....	54
NMAT 255C (Concurrent Support for Intermediate Algebra).....	54

Capstone: Select One (1-54 Hours)

NMAT 200C (Concurrent Support for SLAM Mathematics)	54
NMAT 201C (Concurrent Support for BSTEM Mathematics)	54
NMAT 202C (Just In Time Concurrent Support for Mathematics)	1-54

Total Hours **31-462**

Certificate of Competency Foundational Mathematics Pathway

About the Certificate

The Basic Skills Math Program is a noncredit pathway for students to develop the mathematical skills necessary at Las Positas to enroll in an intermediate algebra level credit course required for an Associate's (AA/AS). Embedded are essential study and life skills to help each student succeed in credit math courses and beyond. Successful students will have the necessary mathematical understanding to enroll in an intermediate algebra level course, which is the math requirement for an Associate's Degree. Research at our college and similar community colleges have shown that supports such as these have a huge impact on student retention and success rates.

Program Outcomes

- Upon successful completion of the Certificate of Competency in College Mathematics Pathway, the student should be able to demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical ideas.
- Upon successful completion of the Certificate of Competency in College Mathematics Pathway, the student should be able to learn mathematics through modeling real-world situations.

- Upon successful completion of the Certificate of Competency in College Mathematics Pathway, the student should be able to read, write, listen to, and speak mathematics with understanding.
- Upon successful completion of the Certificate of Competency in College Mathematics Pathway, the student should be able to use appropriate technology to enhance their mathematical thinking and understanding, solve mathematical problems, and judge the reasonableness of their results.
- Upon successful completion of the Certificate of Competency in College Mathematics Pathway, the student should be able to use mathematical reasoning and, when appropriate, a general problem solving process to solve problems

Required Core: (180 Hours)

NMAT 207 (Pre-Algebra)	108
NMAT 210 (Elementary Algebra)	72

Total Hours **180**

Certificate of Competency Foundational Mathematics Support

About the Certificate

Foundational Mathematics Support is a noncredit program for all Las Positas College students. This pathway is designed to offer students prior and concurrent support as they prepare for the credit intermediate algebra-level math course required at Las Positas to earn an Associate's Degree in Arts or Science (AA/AS). Embedded are essential study and life skills to develop each student holistically as well as rigorous learning support of prerequisite and key math concepts. Prior to starting math courses, Math Jam assists students prepare for the intermediate algebra-level, credit math class required for an AA/AS degree. During the semester, concurrent support courses enable students to receive rigorous prerequisite review of math concepts and study skills to apply in their math classes. Research at our college and similar community colleges have shown that supports such as these have a huge impact on student retention and success rates.

Program Outcomes

- Upon successful completion of the Certificate of Competency in Foundational Mathematics Support, the student should be able to formulate short-term and long-term learning objectives based on their academic goal(s). Students in this program have a goal to develop their knowledge, skills and abilities in preparing to obtain an Associate's degree.
- Upon successful completion of the Certificate of Competency in Foundational Mathematics Support, the student should be able to demonstrate the appropriate skills necessary to become a more productive, successful, and independent learner.
- Upon successful completion of the Certificate of Competency in Foundational Mathematics Support, the student should be able to use prerequisite topics effectively in their target mathematics course.

- Upon successful completion of the Certificate of Competency in Foundational Mathematics Support, the student should be able to learn and apply study skills and life skills that will improve the student's likelihood of succeeding in their academic goals (examples of topics include brain research, identifying their individual growth mindset, personal time management, test taking and conquering math anxiety strategies, etc.).

Required Core: Select One or More (30-234 Hours)

NMAT 261 (Math Jam for Prealgebra Preparation).....	30-60
NMAT 262 (Math Jam for Elementary Algebra Preparation)...	30-60
NMAT 263 (Math Jam for Intermediate Algebra Preparation).	30-60
NMAT 210C (Concurrent Support for Elementary Algebra).....	54

Capstone: (54 Hours)

NMAT 255C (Concurrent Support for Intermediate Algebra).....	54
--	----

Total Hours84-288

**Certificate of Competency
Math Jam for College Mathematics**

About the Certificate

Math Jam for College Mathematics is a noncredit program for all Las Positas College students. This pathway is designed to offer students support as they prepare for the credit transfer-level math course required to transfer. Embedded are essential study and life skills to develop each student holistically as well as rigorous learning support of prerequisite and key math concepts. Prior to starting math courses, Math Jam assists students prepare for their target transfer-level math course required to transfer to a four-year program based on their educational goal. Research at our college and similar community colleges have shown that supports such as Math Jam have a huge impact on student retention and success rates.

Program Outcomes

- Upon successful completion of the Certificate of Competency in Math Jam for College Mathematics, the student should be able to formulate short-term and long-term learning objectives based on their academic goal(s). Students in this program have a goal to develop their knowledge, skills and abilities in preparing to transfer.
- Upon successful completion of the Certificate of Competency in Math Jam for College Mathematics, the student should be able to demonstrate the appropriate skills necessary to become a more productive, successful, and independent learner.
- Upon successful completion of the Certificate of Competency in Math Jam for College Mathematics, the student should be able to apply prerequisite mathematical topics at a higher level.
- Upon successful completion of the Certificate of Competency in Math Jam for College Mathematics, the student should be able to learn study skills and life skills that will improve the student's likelihood of succeeding in their academic goals (examples of topics include brain research, identifying their individual

growth mindset, personal time management, test taking and conquering math anxiety strategies, etc.).

Required Core: Select One or More (30-180 Hours)

NMAT 261 (Math Jam for Prealgebra Preparation).....	30-60
NMAT 262 (Math Jam for Elementary Algebra Preparation)...	30-60
NMAT 263 (Math Jam for Intermediate Algebra Preparation).	30-60

Capstone: Select One (30-60 Hours)

NMAT 264 (Math Jam for SLAM Preparation)	30-60
NMAT 265 (Math Jam for BSTEM Preparation).....	30-60

Total Hours60-240

**Certificate of Competency
Math Jam for
Foundational Mathematics**

About the Certificate

Math Jam for Foundational Mathematics is a noncredit program for all Las Positas College students. This pathway is designed to offer students support as they prepare for the credit intermediate algebra-level math course required at Las Positas to earn an Associate's Degree in Arts or Science (AA/AS). Embedded are essential study and life skills to develop each student holistically as well as rigorous learning support of prerequisite and key math concepts. Prior to starting math courses, Math Jam assists students prepare for the intermediate algebra-level, credit math class required for an AA/AS degree. Research at our college and similar community colleges have shown that supports such as Math Jam have a huge impact on student retention and success rates.

Program Outcomes

- Upon successful completion of the Certificate of Competency in Math Jam for Foundational Mathematics, the student should be able to formulate short-term and long-term learning objectives based on their academic goal(s). Students in this program have a goal to develop their knowledge, skills and abilities in preparing to obtain an Associate's degree.
- Upon successful completion of the Certificate of Competency in Math Jam for Foundational Mathematics, the student should be able to demonstrate the appropriate skills necessary to become a more productive, successful, and independent learner.
- Upon successful completion of the Certificate of Competency in Math Jam for Foundational Mathematics, the student should be able to apply basic skills mathematical concepts at a higher level.
- Upon successful completion of the Certificate of Competency in Math Jam for Foundational Mathematics, the student should be able to learn study skills and life skills that will improve the student's likelihood of succeeding in their academic goals (examples of topics include brain research, identifying their individual growth mindset, personal time management, test taking and conquering math anxiety strategies, etc.).

Required Core: Select One or More (30-120 Hours)

NMAT 261 (Math Jam for Prealgebra Preparation)..... 30-60
 NMAT 262 (Math Jam for Elementary Algebra Preparation) ... 30-60

Capstone: (30-60 Hours)

NMAT 263 (Math Jam for Intermediate Algebra Preparation). 30-60

Total Hours 60-180

**Certificate of Completion
 Math Jam Tutor Pathway**

About the Certificate

The Math Jam for Tutors Program is designed specifically to provide a supportive, noncredit pathway for current Las Positas College math students who are interested in becoming tutors. This program will recruit and prepare students to become paid math tutors at Las Positas College. It offers the unique experience of receiving hands-on training helping students learn key math concepts while in a collaborative setting, supported by a math instructor and fellow math tutors. This program complements possible concurrent training and/or employment at the Tutorial Center, and while completion of this program is very desirable, it is not a requisite for working at the Tutorial Center.

Program Outcomes

- Upon successful completion of the Certificate of Completion in Math Jam Tutor Pathway, the student should be able to communicate effectively about theory of Growth Mindset, as an individual and as a tutor.
- Upon successful completion of the Certificate of Completion in Math Jam Tutor Pathway, the student should be able to apply mathematical concepts at a higher level.
- Upon successful completion of the Certificate of Completion in Math Jam Tutor Pathway, the student should be able to support students in math using best practices in teaching and learning pedagogy.
- Upon successful completion of the Certificate of Completion in Math Jam Tutor Pathway, the student should be able to assist students comfortably in a lab setting.
- Upon successful completion of the Certificate of Completion in Math Jam Tutor Pathway, the student should be able to navigate an online support course environment effectively.
- Upon successful completion of the Certificate of Completion in Math Jam Tutor Pathway, the student should be able to model effective problem-solving, growth mindset and study skills.
- Upon successful completion of the Certificate of Completion in Math Jam Tutor Pathway, the student should be able to coach students in how to be an effective learner, using Growth Mindset theory and intelligent practices to be successful.
- Upon successful completion of the Certificate of Completion in Math Jam Tutor Pathway, the student should be able to provide

guided math workshops to students on historically difficult topics with the support of instructors and fellow tutors.

Career Opportunities

This program prepares students to become paid tutors in the area of Mathematics

Required Core: (9 Hours)

NMAT 260A (Math Jam Introduction to Tutoring).....4
 NMAT 260B (Math Jam for Tutors)..... 5

Total Hours 9

Noncredit Mathematics Courses (NMAT)

NMAT 200C CONCURRENT SUPPORT 0 UNITS FOR SLAM MATHEMATICS

Concurrent Support for SLAM Math is for students interested in disciplines that require Statistics and Liberal Arts Mathematics (SLAM) courses. This course offers structured support to students who are concurrently enrolled in a first-level transfer course, such as Statistics and Mathematics for Liberal Arts, and Finite Mathematics. The support course includes material to prepare students for the rigor of the transfer math course by teaching learning skills necessary to succeed in college courses as well as review of relevant prerequisite algebraic and geometric concepts, and more in-depth investigation of core concepts in their concurrent math course. Corequisite: MATH 40 or MATH 47 or MATH 33. 54 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NMAT 201C CONCURRENT SUPPORT 0 UNITS FOR BSTEM MATHEMATICS

Concurrent Support for BSTEM Mathematics is for students interested in Business, Science, Technology, Engineering and Mathematical fields. This course offers structured support to students who are concurrently enrolled in a first-level transfer course, such as College Algebra, Trigonometry, and Business Calculus. The support course includes material to prepare students for the rigor of the transfer math course by teaching learning skills necessary to succeed in college courses as well as review of relevant prerequisite algebraic and geometric concepts, and more in-depth investigation of core concepts in their concurrent math course. Corequisite: MATH 30 or MATH 39 or MATH 34. 54 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NMAT 202C JUST IN TIME CONCURRENT SUPPORT 0 UNITS FOR MATHEMATICS

This course is just-in-time concurrent support for students enrolled in a first-level transfer course, such as Statistics, College Algebra, Trigonometry, Business Calculus, Mathematics for Liberal Arts, and Finite Mathematics. The support course is noncredit, open entry/open exit. The content will prepare students for the rigor the transfer math course by teaching learning skills necessary to succeed in college courses as well as review of relevant basic and secondary education

prerequisite algebraic and geometric concepts, and more in-depth investigation of core concepts to their concurrent math course. The course design is to meet the needs of a variety of students, such as students who desire formal, regular ongoing learning supports, students wishing self-place into transfer-level mathematics courses as defined by AB 705, and students who are repeating the course for the second or third time. The support course includes a review of basic and secondary level math relevant to their college-level course, provides study strategies to promote understanding and improve performance, and more in-depth investigation of core concepts that are difficult for students to master and learning skills such as growth mindset, brain research, time management, study skills, test taking, math anxiety and more. Corequisite: MATH 30 or MATH 33 or MATH 34 or MATH 39 or MATH 40 or MATH 47. 1-54 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NMAT 207 PRE-ALGEBRA 0 UNITS

This course is intended to serve as a bridge between arithmetic and Elementary Algebra. It includes a review of arithmetic, operations involving signed integers, fractions, and decimals, variables and variable expressions, simple linear equations and their graphs, percent and proportion, introduction to statistics, geometry and measurement, and application problems. Students can petition to get credit for the credit Math 107 course by examination. 108 hours.

Non-Degree Applicable, Noncredit Grading Option: OP

NMAT 210 ELEMENTARY ALGEBRA 0 UNITS

Elementary algebra concepts, including: real numbers and their properties; algebraic expressions; integer exponents; operations with polynomial expressions; linear and quadratic equations; linear inequalities and set notation; graphs of linear equations and inequalities; slope; systems of linear equations and inequalities; and modeling with linear and quadratic equations. Students can petition to get credit for the Math 110 Elementary Algebra course by examination. Strongly Recommended: MATH 107 with a minimum grade of C or MATH 107B with a minimum grade of C or NMAT 207 with a minimum grade of C. 72 hours.

Non-Degree Applicable, Noncredit Grading Option: OP

**NMAT 210C CONCURRENT SUPPORT 0 UNITS
FOR ELEMENTARY ALGEBRA**

This course is concurrent support for Elementary Algebra. The course is designed to provide additional, formal support to students who are currently taking an Elementary Algebra. It includes a review of arithmetic, algebraic and geometric concepts that are relevant to their Elementary Algebra course, study strategies that promote understanding and improve performance, and more in-depth investigation of core concepts that are difficult for students to master. Embedded are learning skills such as growth mindset, brain research, time management, study skills, test taking, math anxiety and more. Corequisite: MATH 110 or NMAT 210. 54 hours.

Non-Degree Applicable, Credit Grading Option: P/NP

**NMAT 250 INTERMEDIATE ALGEBRA 0 UNITS
FOR SLAM**

This is an Intermediate Algebra course for students interested in fields of study that require Statistics or Liberal Arts Mathematics (SLAM). Intermediate algebra concepts will be explored in the context of the

function. Function concepts covered include: distinction between functions and relations, domain and range, function notation, multiple representation of functions, behavior of functions, operations with functions (including composition), one-to-one functions, and invertible functions. Types of functions considered: polynomial, rational, radical, exponential and logarithmic functions. The course includes an introduction to probability, counting and quantitative data. Standards for mathematical practice, applications of functions, and modeling with functions are emphasized throughout. Strongly Recommended: MATH 110 with a minimum grade of C or MATH 110B with a minimum grade of C or NMAT 210 with a minimum grade of C. 108 hours.

Non-Degree Applicable, Noncredit Grading Option: OP

**NMAT 255 INTERMEDIATE ALGEBRA 0 UNITS
FOR BSTEM**

Intermediate Algebra concepts, in the service of Business, Science, Technology, Engineering and Math fields (BSTEM), will be explored in this course including: an introduction to functions; linear and absolute value functions; absolute value equations and inequalities; compound linear inequalities; rational expressions, functions and equations; radical expressions, functions and equations; rational exponents; complex numbers; quadratic functions and equations; inverse of a function; exponential and logarithmic functions; properties of logarithms; exponential and logarithmic equations; conic sections; and systems of equations and inequalities. Multiple representations, applications and modeling with functions are emphasized throughout. Students can petition to get credit for the MATH 55 Intermediate Algebra for BSTEM course by examination. Strongly Recommended: MATH 110 with a minimum grade of C or MATH 110B with a minimum grade of C or NMAT 210 with a minimum grade of C. 90 hours.

Non-Degree Applicable, Noncredit Grading Option: OP

**NMAT 255C CONCURRENT SUPPORT 0 UNITS
FOR INTERMEDIATE ALGEBRA**

This course is concurrent support for Intermediate Algebra. The course is designed to provide additional, formal support to students who are currently taking an Intermediate Algebra. It includes a review of arithmetic, algebraic and geometric concepts that are relevant to their Intermediate Algebra course, study strategies that promote understanding and improve performance, and more in-depth investigation of core concepts that are difficult for students to master. Embedded are learning skills such as growth mindset, brain research, time management, study skills, test taking, math anxiety and more. Corequisite: MATH 55 or NMAT 255 or MATH 50 or NMAT 250. 54 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

**NMAT 260A MATH JAM 0 UNITS
INTRODUCTION TO TUTORING**

Math Jam is designed to help students prepare for their upcoming math class. This Math Jam Tutor Training course is designed to train tutors prior to Math Jam in strategies for effectively engaging students in learning difficult math concepts. Tutors will learn about intelligent practices for mastering material and how to navigate in the online course environment participants will be using during Math Jam. This is designed for students who are interested in becoming a

paid mathematics tutor at Las Positas College or in any educational capacity. 4 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NMAT 260B MATH JAM FOR TUTORS 0 UNITS

Math Jam is designed to help students prepare for their upcoming math class. This Math Jam Tutor Training course supports tutors during Math Jam to apply strategies for effectively engaging students in learning difficult math concepts with participants. Tutors apply knowledge around intelligent practices for mastering material as they tutor participants during Math Jam. This is an excellent second course for students who are interested in becoming a paid mathematics tutor at Las Positas College or in any educational capacity. 5 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NMAT 261 MATH JAM FOR PREALGEBRA PREPARATION 0 UNITS

Math Jam is a noncredit program designed to help students prepare for their upcoming math class at a community college. Embedded are essential study and life skills to develop each student holistically, including learning skills and career development. Students will be learning arithmetic and Prealgebra material with the goal of preparing them to be successful in their upcoming class. It is strongly recommended that students taking this course be enrolled in a community college math course. 30-60 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NMAT 262 MATH JAM FOR ELEMENTARY ALGEBRA PREPARATION 0 UNITS

Math Jam is a noncredit program designed to help students prepare for their upcoming math class at a community college. Embedded are essential study and life skills to develop each student holistically, including learning skills and career development. Students will be learning prealgebra material with the goal of preparing them to be successful in their upcoming class. It is strongly recommended that students taking this course be eligible for and enrolled in a community college math course. 30-60 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NMAT 263 MATH JAM FOR INTERMEDIATE ALGEBRA PREPARATION 0 UNITS

Math Jam is a noncredit program designed to help students prepare for their upcoming math class at a community college. Embedded are essential study and life skills to develop each student holistically, including career development. Students will be learning elementary algebra material with the goal of preparing them to be successful in their upcoming class. It is strongly recommended that students taking this course are enrolled in a community college math course. 30-60 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NMAT 264 MATH JAM FOR SLAM PREPARATION 0 UNITS

Math Jam for SLAM Prep is for students preparing for math courses in Statistics and Probability or Mathematics for Liberal Arts. Math

Jam is a FREE noncredit program designed to help students prepare for their upcoming math class at a community college. Embedded are essential study and life skills to develop each student holistically, including career development. Students will be learning prerequisite algebraic and basic probability material with the goal of preparing them to be successful in their upcoming first-level transfer course of Statistics or Math for Liberal Arts class. It is strongly recommended that students taking this course be enrolled in Math 40: Statistics and Probability or Math 47: Mathematics for Liberal Arts at Las Positas College. 30-60 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NMAT 265 MATH JAM FOR BSTEM PREPARATION 0 UNITS

Math Jam for BSTEM Prep is for students preparing for math courses in College Algebra, Trigonometry, Business Calculus and review prior to Calculus I. Math Jam is a noncredit program designed to help students prepare for their upcoming STEM focused math class at a community college. Embedded are essential study and life skills to develop each student holistically, including career development. Students will be learning pre-transfer level material with the goal of preparing them to be successful in their upcoming class. It is strongly recommended that students taking this course are enrolled in a community college math course. 30-60 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NONCREDIT TUTORING

The noncredit tutoring course provides enrolled students with free supervised tutoring to increase the likelihood of success. Trained tutors and instructors provide one-on-one or small-group tutoring to help students achieve specific course objectives in a wide variety of subjects. Students seeking support with communication/literacy skills, quantitative reasoning skills, and critical thinking skills will receive tutoring to strengthen and master basic skills.

Noncredit Tutoring Courses (NTUT)

NTUT 200 SUPERVISED TUTORING 0 UNITS

Open-entry/open-exit supervised tutoring course provided to students requesting assistance or referred by a counselor or instructor. Tutoring is conducted in a learning center and is structured to strengthen student skills, reinforce student mastery, and help students achieve specific course objectives. Trained tutors and instructors will provide individualized/small group tutoring and learning assistance for basic skills, vocational skills, and academic subject matter areas including mathematics, English, science, social science, humanities and a variety of general education courses vital to the overall success and retention of students. 1-96 hours.

Non-Degree Applicable, Noncredit Grading Option: P/NP

NUTRITION

The Nutrition department offers a variety of courses that align with multiple degree pathways. The courses are specifically designed to meet the needs of students who are currently pursuing degrees in Dietetics, Nursing, Health Science, or Kinesiology. Courses also provide students with an introduction to the science of nutrition, which is particularly important for those planning to transfer to baccalaureate programs in Nutrition, Health Education, Public Health, or pre-medicine.

Programs of Study

Degrees:

AS-T - Nutrition and Dietetics

AS-T – Nutrition and Dietetics

About the Degree

The Associate of Science in Nutrition and Dietetics for Transfer is designed for prospective California State University (CSU) who are preparing for careers in the field of Nutrition and Dietetics such as a Registered Dietitian (RD), Nutritionist, Licensed Nutritionist and Dietetic Technician Registered (DTR) to name a few. Completion of the Nutrition and Dietetics degree will provide a streamlined pathway for transfer to a CSU campus with a Nutrition Science or similar major. Students should consult with a counselor to determine whether or not this degree is the best option for their transfer goals. General education requirements should be selected carefully based on the intended transfer institution. There are UC unit limitations with Chemistry courses; please see a counselor for details if you are pursuing transfer to the UC system.

Completion Requirements:

- Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education – Breadth Requirements.
 - A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Career Opportunities

The majority of Registered Dietitians (RD), Registered Dietitian Nutritionist (RDN) and Diet Technicians (DTR) work in the treatment and prevention of disease (administering medical nutrition therapy, often part of medical teams), in hospitals, HMOs, private

practice or other health-care facilities. In addition, a large number of RDs work in community and public health settings and academia and research. A growing number of RDs and Licensed Nutritionists work in the food and nutrition industry, in business, journalism, sports nutrition, corporate wellness programs and other non-traditional work settings. Preparation for the Dietetic Internship to achieve a RD, RDN, DTR or Licensed Nutritionist credential requires a bachelor's degree in nutrition.

Program Outcomes

- Upon successful completion of the AS-T in Nutrition, students will acquire knowledge to develop health promotion and disease prevention programs that address diverse populations within a community (such as ethnicity, cultural backgrounds, socioeconomic status, and regional resources).
- Upon successful completion of the AS-T in Nutrition, students will be able to communicate knowledge of nutrition and metabolism and apply that knowledge to the maintenance of health and the treatment of disease.
- Upon successful completion of the AS-T in Nutrition, students will critically evaluate factors influencing obesity, and the metabolic consequences of obesity, as it relates to chronic disease.

Required Core: (16 Units)

BIO 7C (Microbiology)	5
CHEM 1A (General College Chemistry I).....	5
NUTR 1 (Nutrition)	3
PSYC 1 (General Psychology).....	3

List A: Select Two (9-10 Units)

BIO 7A (Human Anatomy)	5
BIO 7B (Human Physiology)	5
CHEM 1B (General College Chemistry II).....	5
CHEM 12A (Organic Chemistry I)	5
MATH 40 (Statistics and Probability)	4

List B: Select One (3-5 Units)

ANTR 3 (Social/Cultural Anthropology)	3
CHEM 12B (Organic Chemistry II)	5
CHEM 30A (Intro and Applied Chemistry I).....	4
CHEM 30B (Intro and Applied Chemistry II)	4
ECON 1 (Principles of Microeconomics)	3
ECON 2 (Principles of Macroeconomics)	3
SOC 1 (Principles of Sociology)	3

Total Units for the Major 28-31

Additional General Education and Elective Units 29-32

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Nutrition Courses (NUTR)

NUTR 1 NUTRITION 3 UNITS

The basic science of nutrition including the nutrients, their functions, sources and recommended intakes. Nutritional assessment and the role of nutrition in the maintenance of health. For students majoring in the science and/or health fields. Strongly Recommended: CHEM 30A, MATH 110. 54 hours lecture. AA GE. Transfer: CSU, UC*; CSU GE: E; C-ID# NUTR 110. **NUTR 1 and 5 combined: maximum UC credit, 1 course.*

Degree Applicable, Credit Grading Option: GR

NUTR 5 NUTRITION/ PERFORMANCE & SPORT 3 UNITS

Students will study the role of nutrition in sports, performance and physical fitness. Optimal food, nutrient, and activity choices to maximize athletic performance for all athlete types. Prerequisite: NUTR 1 with a minimum grade of C. 54 hours lecture. Transfer: CSU, UC*. **NUTR 1 and 5 combined: maximum UC credit, 1 course.*

Degree Applicable, Credit Grading Option:

OCCUPATIONAL SAFETY AND HEALTH

The Occupational Safety and Health program is designed to provide students the skills needed for employment in occupational safety and health. Practitioners in this career implement health and safety programs to meet mandated regulations in an effort to control occupational injuries and illnesses, accidents, and property losses due to unsafe working conditions. The scope of work in occupational safety and health may include development of cutting edge health and safety programs, identification of workplace hazards and appropriate controls, recognition and evaluation of potential worker exposure to contaminants, accident/incident investigation, and development/delivery of health and safety training programs.

Programs of Study

Degrees:

- AS – Occupational Safety and Health

Certificates of Achievement:

- Occupational Safety and Health

Certificates of Accomplishment:

- Occupational Safety

Career Opportunities

The safety and health worker may specialize in various fields including general safety, construction safety, chemical and radiological safety, emergency response, transportation, fire and property protection, or systems or product design, among others. The Associate of Science degree and the Certificate of Achievement in Occupational Safety and Health are designed for direct job entry and/or career enhancement.

AS – Occupational Safety and Health

About the Degree

The Associate of Science in Occupational Safety and Health degree program is designed to provide students the academic foundation for understanding hazardous materials management, construction safety, OSH safety training and accident investigation, for workplace safety and health standards. The Occupational Safety and Health specialist implements mandated health and safety regulations in an effort to control occupational accidents and diseases, property losses and injuries due to unsafe working conditions. The scope of this position includes the identification of physical hazards and the design and implementation of remediation, the evaluation of potential toxic agent risk to the employer, the development of safety management

and employee training/management programs. The demand for occupational safety and health specialists has grown over the past 10 years. According to the U.S. Bureau of Labor Statistics, federal, state and local government job growth will continue through 2022.

Career Opportunities

The safety and health practitioner may specialize in general workplace safety, construction, fire and property protection, transportation, chemical and radiological safety, emergency response, systems or product design. The Associate of Science degree in Occupational Safety and Health is designed for direct job entry and/or career enhancement. Completion of the degree may be used to provide work experience credit toward OHST (Occupational Health and Safety Technician) certification requirements. Completion of the degree may be used to provide work experience credit toward CSP (Certified Safety Professional) certification requirements. Career opportunities include Safety Manager, Safety Technician, Safety Specialist, Safety Officer, Industrial Hygienist, Safety Professional – Construction, Safety Professional – Manufacturing, Safety Professional – Metals, Field Safety and OSHA Specialist, and Safety and Environmental Manager.

Program Outcomes

- Upon completion of the AS in Occupational Safety and Health, students will be able to apply a working knowledge of mathematics and the sciences to conduct experiments and to analyze and interpret data to solve safety and health related issues.
- Upon completion of the AS in Occupational Safety and Health, students will be able to design programs to control, eliminate, and prevent occupational disease or injury caused by chemical, physical, radiological, and biological agents or ergonomic factors as well as prepare an emergency response plan.

Required Core: (32-33 Units)

BIO 20 (Contemporary Human Biology).....	3
CHEM 30A (Intro and Applied Chemistry I) or CHEM 1A (General College Chemistry I)	4-5
CIS 50 (Intro to Computing Info Tech)	3
FST 54 (Fire Prevention Technology)	3
OSH 50 (Intro Occupational Safety/Hlth)	3
OSH 60 (Elements of Industrial Hygiene)	3
OSH 62 (Physical Hazards)	3
OSH 67 (Comp Regulatory Requirements)	3
PHYS 10 (Descriptive Physics)	3
RADS 40A (Radiation Safety)	2
RADS 40B (Emergency Response & Monitoring)	1
RADS 40C (Safety Controls & Regulation)	1

List A: Select One (4-5 Units)

CHEM 1B (General College Chemistry II)	5
CHEM 30B (Intro and Applied Chemistry II)	4
MATH 40 (Statistics and Probability)	4

List B: Select One (3-4 Units)

BIO 30 (Introduction to College Biology)	4
BIO 40 (Humans and the Environment)	3
BIO 50 (Anatomy and Physiology)	4

Program-Based GE: (3 Units)

PSYC 1 (General Psychology)3

Total Units for the Major39-42

Additional General Education and Elective Units 15-18

Total Units 60

See the Las Positas College General Education Pattern for the Associate of Science Degree for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Occupational Safety and Health

About the Certificate

The Certificate of Achievement in Occupational Safety and Health is designed to provide students with a foundation of understanding hazardous materials management, construction safety, OSH safety training and accident investigation, for workplace safety and health standards. The Occupational Safety and Health specialist implements mandated health and safety regulations in an effort to control occupational accidents and diseases, property losses and injuries due to unsafe working conditions. The scope of this position includes the identification of physical hazards and the design and implementation of remediation, the evaluation of potential toxic agent risk to the employer, the development of safety management and employee training/management programs. The demand for occupational safety and health specialists has grown over the past 10 years. According to the U.S. Bureau of Labor Statistics, federal, state and local government job growth will continue through 2022.

Career Opportunities

The safety and health practitioner may specialize in fire and property, chemical and radiological safety, emergency response, general workplace safety, transportation, construction, systems or product design. The Certificate of Achievement in Occupational Safety and Health is designed for direct job entry and/or career enhancement. Completion of the certificate may be used to provide work experience credit toward OHST (Occupational Health and Safety Technician) certification requirements. Completion of the certificate may be used to provide work experience credit toward CSP (Certified Safety Professional) certification requirements. Career opportunities include, Safety Technician, Safety Specialist, Safety Officer, Industrial Hygienist, Safety Professional – Construction, Safety Professional – Manufacturing, Safety Professional – Metals, and Field Safety and OSHA Specialist.

Program Outcomes

- Upon completion of the Certificate of Achievement in Occupational Safety and Health, students will be able to design programs to control, eliminate, and prevent disease or injury caused by chemical, physical, radiological, and biological agents

or ergonomic factors as well as prepare an emergency response plan.

Required Core (12 Units)

OSH 50 (Intro Occupational Safety/Hlth)	3
OSH 60 (Elements of Industrial Hygiene)	3
OSH 62 (Physical Hazards).....	3
OSH 67 (Comp Regulatory Requirements).....	3

List A: Select from Below (4-5 Units)

BIO 20 (Contemporary Human Biology).....	3
CHEM 30A (Intro and Applied Chemistry I).....	4
FST 54 (Fire Prevention Technology).....	3
PHYS 10 (Descriptive Physics)	3
RADS 40A (Radiation Safety)	2
RADS 40B (Emergency Response and Monitoring)	1
RADS 40C (Safety Controls and Regulation).....	1

Total Units 16-17

Certificate of Accomplishment Occupational Safety §

About the Certificate

The Certificate of Accomplishment in Occupational Safety is designed to provide students with a foundation of understanding hazardous materials management, construction safety, OSH safety training and accident investigation, for workplace safety and health standards. The Occupational Safety and Health specialist implements mandated health and safety regulations in an effort to control occupational accidents and diseases, property losses and injuries due to unsafe working conditions. The scope of this position includes the identification of physical hazards and the design and implementation of remediation, the evaluation of potential toxic agent risk to the employer, the development of safety management and employee training/management programs. The demand for occupational safety and health specialists has grown over the past 10 years. According to the U.S. Bureau of Labor Statistics, federal, state and local government job growth will continue through 2022.

Career Opportunities

The safety and health practitioner may specialize in fire and property, chemical and radiological safety, emergency response, general workplace safety, transportation, construction, systems or product design. The Certificate of Accomplishment in Occupational Safety and Health is designed for direct job entry and/or career enhancement. Career opportunities include, Safety Technician, Safety Specialist, Safety Officer, Industrial Hygienist, Safety Professional – Construction, Safety Professional – Manufacturing, Safety Professional – Metals, and Field Safety and OSHA Specialist.

Program Outcomes

- Upon completion of the Certificate of Accomplishment in Occupational Safety, students will be able to explain the role of OSHA in workplace safety and how to develop effective, comprehensive health and safety programs leading to a proactive safety culture.

- Upon completion of the Certificate of Accomplishment in Occupational Safety, students will be able to prepare a job safety analysis (JSA) of specific work tasks to identify inherent hazards and appropriate controls.
- Upon completion of the Certificate of Accomplishment in Occupational Safety, students will be able to explain the requirements for recording injuries and illnesses on the OSHA 300 log.
- Upon completion of the Certificate of Accomplishment in Occupational Safety, students will be able to describe the impact of an organization's Experience Modification Rate (EMR) on an organization's Workers' Compensation premium.
- Upon completion of the Certificate of Accomplishment in Occupational Safety, students will be able to calculate and analyze widely accepted injury and illness rates for an organization.
- Upon completion of the Certificate of Accomplishment in Occupational Safety, students will be able to interpret OSHA's Hierarchy of Controls and how to appropriately apply them to work situations to minimize risk in the workplace.

Required Core: (9 Units)

OSH 50 (Intro Occupational Safety/Hlth)	3
OSH 60 (Elements of Industrial Hygiene)	3
OSH 67 (Comp Regulatory Requirements).....	3

Total Units 9

§ This certificate is not transcribed. This group of courses provides industry-based professional development. Individual courses will appear on transcript. See a counselor for further information.

Occupational Safety and Health Courses (OSH)

OSH 50 INTRO OCCUPATIONAL SAFETY/ HLTH 3 UNITS

An introduction to the principles and techniques of occupational safety and health management. Includes historical evolution, professional make-up and responsibilities of the occupational and safety practitioners, and analysis and implementation of a typical safety program. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

OSH 60 ELEMENTS OF INDUSTRIAL HYGIENE 3 UNITS

Introduction to the major subject areas of Industrial Hygiene. This includes anticipation, recognition, evaluation, and control of workplace hazards; effects of toxic agents on the body; measurement of these agents; general methods for their control; as well as State and Federal regulatory requirements. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

OSH 62 PHYSICAL HAZARDS 3 UNITS

Examination of physical hazards in the work environment and

methods of control. Includes review of key hazards associated with human factors e.g., work area layout and planning, machine guarding, electrical safety, materials handling, rigging, conveyors, power tools, personal protective equipment, compressed gases, illumination, and working surfaces. Emphasis on methods for safety observation and inspection. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

OSH 67 COMP REGULATORY REQUIREMENTS 3 UNITS

An introductory review of State and Federal Occupational Safety and Health Acts, awareness of life safety, fire safety and building codes and standards, Workers' Compensation laws, and other important regulations as they relate to occupational safety and health management. Includes interactive discussion of key regulatory requirements, focusing on employer responsibilities, interpretation of key regulations and techniques to implement an effective, comprehensive occupational safety and health program. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

PHILOSOPHY

Philosophy is a discipline that focuses on knowledge, reality, and values. Philosophy courses at Las Positas invite students to explore fundamental questions, such as Who am I? Does God exist? What is justice? Students in philosophy classes study traditional answers to these questions and are invited to develop their own positions. Philosophy introduces students to perspectives on human culture that enrich the study of other fields in the social sciences and humanities. The study of philosophy develops important skills of critical thinking, analysis, creativity, and communication that will help students succeed in the workplace.

Programs of Study

Degrees:

- AA-T – Philosophy

Career Opportunities

The undergraduate path in philosophy teaches the skills of reading, writing, argumentation and critical thinking applicable to most employment situations. Students who major in philosophy are often preparing for graduate work in Philosophy, Law, Business and Medicine.

AA-T – Philosophy

About the Degree

Philosophy is an academic area of study concerned with knowledge, reality and values. The program for the AA-T in Philosophy exposes students to the great historical arguments on these issues, and prompts students to think for themselves on these important topics. Students progressing toward the AA-T in Philosophy will learn

the tools of argumentative analysis and conceptual critique. They will be expected to apply these reasoning skills both to historical philosophical ideals and toward their own creative solutions to age old questions. The study of philosophy develops important skills of thinking, analysis, creativity, and communication that are useful for any field of employment or further study. The transfer degree is especially intended to assist students in transferring into the California State University System. Because this is an Associate Degree for Transfer, the LPC GE requirements of American Institutions, American Cultures, and Wellness do not apply and are not required of students earning this degree.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education – Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Career Opportunities

The intent of the associate degree for transfer is to assist students in transferring into the California State University System. Students completing the AA-T degree receive a guarantee of admission with junior status into the California State University System. Students who major in philosophy are often preparing for graduate work in Philosophy, Law, Business and Medicine. It is well known that most students do not get employment in the field of study of their undergraduate major, but the undergraduate path in philosophy teaches the skills of reading, writing, argumentation and critical thinking applicable to most employment situations.

Program Outcomes

- Upon successful completion of the AA-T in Philosophy, the student will be able to communicate ideas in a way that shows respect for others.
- Upon successful completion of the AA-T in Philosophy, the student will be able to develop and present formal philosophical arguments using effective logical argumentative technique and avoiding logical error and fallacies.
- Upon successful completion of the AA-T in Philosophy, the student will be able to respond to philosophical writing and ideas of historical and contemporary philosophers by describing philosophical arguments, evaluating those arguments, and applying them with accuracy and creativity to contemporary conditions

Required Core: Select Two (6 Units)

PHIL 1 (God, Nature, Human Nature) or

PHIL 2 (Ethics).....3
PHIL 6 (Introduction to Logic).....3

List A: Select One (3 Units)

Any Required Core not already used3
PHIL 3 (Aesthetics)3
PHIL 4 (Intro to Philosophy: Knowledge)3
PHIL 5 (Feminist Philosophy).....3

List B: Select Two (6 Units)

Any List A course not already used.....3
HIST 1 (Western Civilization to 1600).....3
HIST 2 (Western Civilization Since 1600).....3

List C: Select One (3 Units)

Any List A or B course not already used3
HUMN 3 (FLM-Drama-Mus-Vis Art-Lyr Poet)3
HUMN 6 (Nature and Culture)3
HUMN 10 (The American Style).....3
HUMN 28 (The Classic Myths).....3
RELS 1 (Religions of the World).....3
RELS 2 (Bible: History and Literature).....3
RELS 3 (Intro To Women's Spirituality)3
RELS 11 (The Nature of Islam)3

Total Units for the Major 18

Additional General Education and Elective Units 42

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Philosophy Courses (PHIL)

PHIL 1 GOD, NATURE, HUMAN NATURE 3 UNITS

An exploration of the nature and range of philosophical inquiry in relation to everyday problems of humans as individuals, as citizens, as physical creatures, and as creators of spiritual and artistic works. Philosophical texts are analyzed with special attention given to the development of skills in analysis and argumentation. NOTE: Philosophy 2 and 4 are also introductory courses and may be taken before Philosophy 1 if a more detailed examination of ethical problems, the theory of knowledge, or political philosophy is desired. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC*; CSU GE: C2; IGETC: 3B; C-ID# PHIL 100. *PHIL 1 and 1H combined: UC credit will be awarded only for the first course completed with a grade of C or better.

Degree Applicable, Credit Grading Option: GR

PHIL 1H HONORS PHILOSOPHY 1: 3 UNITS

GOD, NATURE, HUMAN NATURE

This is an honors course for philosophy 1. Philosophy 1 is an exploration of the nature and range of philosophical inquiry in relation to everyday problems of humans as individuals, as citizens, as physical creatures, and as creators of spiritual and artistic works. Philosophical texts are analyzed with special attention given to the development of skills in analysis and argumentation. Students in Honors Philosophy 1 course will have assignments in reading, writing, discussion, analysis, and oral presentation at a level of rigor higher than those in Philosophy 1 and consistent with honors program expectations. NOTE: Philosophy 2 and 4 are also introductory courses and may be taken before Philosophy 1 if a more detailed examination of ethical problems, the theory of knowledge, or political philosophy is desired. A student who has successfully completed PHIL 1 cannot enroll in PHIL 1H. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC*; CSU GE: C2; IGETC: 3B; C-ID# PHIL 100. *PHIL 1 and 1H combined: UC credit will be awarded only for the first course completed with a grade of C or better.

Degree Applicable, Credit Grading Option: GR

PHIL 2 ETHICS 3 UNITS

This course covers the concepts of morality, values and influential ethical theories. Students taking this course will be required to use philosophical methods to evaluate these theories for themselves and show how these theories can apply to everyday ethical questions. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC*; CSU GE: C2; IGETC: 3B; C-ID# PHIL 120. *PHIL 2 and 2H combined: UC credit will be awarded only for the first course completed with a grade of C or better.

Degree Applicable, Credit Grading Option: GR

PHIL 2H HONORS PHILOSOPHY 2: ETHICS 3 UNITS

This is an honors course for Philosophy 2. This course covers the concepts of morality, values and influential ethical theories. Students taking this course will be required to use philosophical methods to evaluate these theories for themselves and show how these theories can apply to everyday ethical questions. Students in Honors Philosophy 2 course will have assignments in reading, writing, discussion, analysis, and oral presentation at a level of rigor higher than those in Philosophy 2 and consistent with honors program expectations. A student who has successfully completed PHIL 2 cannot enroll in PHIL 2H. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC*; CSU GE: C2; IGETC: 3B; C-ID# PHIL 120. *PHIL 2 and 2H combined: UC credit will be awarded only for the first course completed with a grade of C or better.

Degree Applicable, Credit Grading Option: GR

PHIL 3 AESTHETICS 3 UNITS

An introduction to the philosophical analysis of art. Topics include the nature of art and beauty, the value of art, and philosophical methods of evaluating, critiquing, and drawing meaning from artistic works. 54 hours lecture. AA/AS GE. Transfer: CSU, UC, CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

PHIL 4 INTRO TO PHILOSOPHY: 3 UNITS
KNOWLEDGE

Systematic analysis of documents that constitute the major statements in the theory of knowledge. Investigation of the nature of knowledge, truth and belief. Emphasis placed on enabling students to analyze, critique and defend their own systems of beliefs. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: GR

PHIL 5 FEMINIST PHILOSOPHY 3 UNITS

Introduction to feminist philosophical perspectives on such issues as gender, art, sexuality, knowledge, power, identity, popular culture, religion, ethics, and war. Emphasis placed on critical analysis as well as application to contemporary problems facing women today. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

PHIL 6 INTRODUCTION TO LOGIC 3 UNITS

An introduction to Logic. This course is designed to develop effective reasoning skills. Valid reasoning through formal deductive logic is emphasized, but the course also covers meaning in language, fallacies, and inductive reasoning methods in philosophy, literature and the sciences. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: A3; C-ID# PHIL 110.

Degree Applicable, Credit Grading Option: OP

PHIL 8 LOGIC AND ARGUMENTATION 4 UNITS

Logic and Argumentation. This course is designed to develop effective reasoning skills. Valid reasoning through formal deductive logic is emphasized, but the course also covers meaning in language, fallacies, and inductive reasoning methods in philosophy, literature and the sciences. This course differs from Philosophy 6 (Introduction to Logic) in that it has a prerequisite of English 1A and involves the application of logical technique to a major research paper. Prerequisite: ENG 1A with a minimum grade of C. 72 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: A3; IGETC: 1B.

Degree Applicable, Credit Grading Option: GR

PHIL 29 INDEPENDENT STUDY, 0.5-2 UNITS
PHILOSOPHY

For course information, see "Independent Studies". 27-108 hours laboratory.

PHOTOGRAPHY

The Las Positas College Photography program offers a broad array of course opportunities crossing a full spectrum of the imaging field. Students become familiar with traditional film-based and digital (electronic) imaging technologies for making artistically rendered, captivating photographic images (both black & white and color) of visual communications and media. Students do hands-on work in the College's well-equipped studio, darkroom and computer laboratory. They master digital imaging in preparation for print and web distribution, create short programs in videography, and work with artificial lighting for portrait and commercial applications. Most students take a history of photography class and a course concentrating on doing documentary work.

Programs of Study

Degrees:

- AA – Photography

Certificates of Achievement:

- Photography

AA – Photography

About the Degree

The Associate of Arts in Photography degree is designed to prepare students for employment in the field of professional photography. The program will give students the technical and creative skills needed to pursue a career in the field of photography as well as a broad based education that will augment those skills. Students earning the AA can also earn the Certificate of Achievement in Photography on their way to completion and earning the AA will make a student more employable than if they earn the Certificate of Achievement alone. Upon completion of the degree students will be able to work as an entry to mid level professional photographer.

Career Opportunities

Professional Photographer, Photography business owner, Portrait Photographer, Wedding Photographer, Architectural Photographer, digital imaging technician, Photo Studio Manager, Photo Assistant.

Program Outcomes

- Upon completion of the Associates of Arts in Photography, the student will be able to operate both digital and film-based photographic equipment used in the photography field.
- Upon completion of the Associates of Arts in Photography, the student will be able to visualize and produce entry-level commercial and fine art photographs that demonstrate fully developed concepts of form, medium, and content.
- Upon completion of the Associates of Arts in Photography, the student will be able to critique, analyze, and discuss photographic images utilizing knowledge of the history,

aesthetics, and contemporary issues of the photography field.

- Upon completion of the Associates of Arts in Photography, the student will be able to effectively visualize and accurately construct lighting designs utilizing artificial studio lighting and natural light in photographs.

Required Core: (22.5 Units)

PHTO 50 (Introduction to Photography)	3
PHTO 51A (Individual Projects A)	1.5
PHTO 56 (Introduction to Digital Photography)	1.5
PHTO 57 (Intermediate Digital Photography)	1.5
PHTO 58 (Introduction to Videography)	3
PHTO 60 (Intermediate Black and White Photography)	3
PHTO 64A (Artificial Light Photography)	3
PHTO 68 (Color Field Photography)	3
PHTO 70 (Photoshop and Lightroom for Photographers) or GDDM 70 (Photoshop and Lightroom for Photographers)	3

List A: Select Two (5-6 Units)

PHTO 29P (Independent Study, Photography)	2
PHTO 29V (Independent Study, Video Production)	2
PHTO 66 (Digital Imaging)	3
PHTO 67 (History of Photography)	3
PHTO 69 (Intermediate Videography)	3
PHTO 72 (Introduction to Photojournalism) or MSCM (72 Introduction to Photojournalism)	3

Total Units for the Major 27.5-28.5

Additional General Education and Elective Units 31.5-32.5

Total Units 60

See the Las Positas College General Education Pattern for the Associate of Arts Degree for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Photography

About the Certificate

The Certificate of Achievement in Photography is designed to prepare students for employment in the field of professional photography. The program will give students the technical and creative skills needed to pursue a career in the field of photography. Upon completion of the certificate students will be able to work as an entry level professional photographer.

Career Opportunities

Professional Photographer, Photography business owner, Portrait Photographer, Wedding Photographer, Architectural Photographer, digital imaging technician, Photo Studio Manager, Photo Assistant.

Program Outcomes

- Upon completion of the Certificate of Achievement in

Photography, the student will be able to operate both digital and film-based photographic equipment used in the photography field.

- Upon completion of the Certificate of Achievement in Photography, the student will be able to visualize and produce entry-level commercial and fine art photographs that demonstrate fully developed concepts of form, medium, and content.
- Upon completion of the Certificate of Achievement in Photography, the student will be able to critique, analyze, and discuss photographic images utilizing knowledge of the history, aesthetics, and contemporary issues of the photography field.
- Upon completion of the Certificate of Achievement in Photography, the student will be able to effectively visualize and accurately construct lighting designs utilizing artificial studio lighting and natural light in photographs.

Required Core: (22.5 Units)

PHTO 50 (Introduction to Photography)	3
PHTO 51A (Individual Projects A)	1.5
PHTO 56 (Introduction to Digital Photography)	1.5
PHTO 57 (Intermediate Digital Photography)	1.5
PHTO 58 (Introduction to Videography)	3
PHTO 60 (Intermediate Black and White Photography)	3
PHTO 64A (Artificial Light Photography)	3
PHTO 68 (Color Field Photography)	3
PHTO 70 (Photoshop and Lightroom for Photographers) or GDDM 70 (Photoshop and Lightroom for Photographers)	3

List A: Select Two (5-6 Units)

PHTO 29P (Independent Study, Photography)	2
PHTO 29V (Independent Study, Video Production)	2
PHTO 66 (Digital Imaging)	3
PHTO 67 (History of Photography)	3
PHTO 69 (Intermediate Videography)	3
PHTO 72 (Introduction to Photojournalism) or MSCM 72 (Introduction to Photojournalism)	3

Total Units 27.5-28.5

Photography Courses (PHTO)

PHTO 29P INDEPENDENT STUDY, 0.5-2 UNITS PHOTOGRAPHY

For course information, see "Independent Studies". 27-108 hours laboratory.

PHTO 29V INDEPENDENT STUDY, 0.5-2 UNITS VIDEO PRODUCTION

For course information, see "Independent Studies". 27-108 hours laboratory.

PHTO 50 INTRODUCTION TO 3 UNITS PHOTOGRAPHY

Introduction to the history and development of photography, basic processes, various types of cameras, materials, basic shooting, processing, developing, and printing of photographs. 27 hours

lecture, 81 hours laboratory. Transfer: CSU, UC.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

PHTO 51A INDIVIDUAL PROJECTS A 1.5 UNITS

Individual projects in digital or film-based photography at the intermediate to advanced level. Development of knowledge and skills acquired in previous or current photography work with emphasis on current projects. Strongly Recommended: PHTO 50 with a minimum grade of C or PHTO 56 with a minimum grade of C. 9 hours lecture, 54 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

PHTO 56 INTRODUCTION TO DIGITAL PHOTOGRAPHY 1.5 UNITS

The course covers basics for the beginner's use of digital cameras, film and flatbed scanners, and use of Adobe software for image adjustments. Exploration of digital photography compared with traditional photographic approaches and processes. Operation of Adobe digital imaging software for preparation of web site photos and print output, in both black and white and in color. 18 hours lecture, 27 hours laboratory. Transfer: CSU, UC.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

PHTO 57 INTERMEDIATE DIGITAL PHOTOGRAPHY 1.5 UNITS

This course covers digital photography including intermediate and advanced digital image capture assignments, camera use, digital manipulation using software such as Adobe Photoshop, and preparation of image files for display printing and use on the Web. Strongly Recommended: PHTO 56 with a minimum grade of C. 18 hours lecture, 27 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

PHTO 58 INTRODUCTION TO VIDEOGRAPHY 3 UNITS

Introduction to the theory and practice of video production and desktop video editing including project production phases, time-based visual and sound design, digitizing footage, video output issues, working creatively in a collaborative environment, industry standards, using a Macintosh computer platform. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

PHTO 60 INTERMEDIATE BLACK AND WHITE PHOTOGRAPHY 3 UNITS

Using exposure/development controls related to black and white negative materials. Development of intermediate/advanced printmaking skills. Emphasis on visual and critical problems related to black and white photography. Strongly Recommended: PHTO 50 with a minimum grade of C. 27 hours lecture, 81 hours laboratory.

Transfer: CSU, UC.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

PHTO 64A ARTIFICIAL LIGHT PHOTOGRAPHY 3 UNITS

Photography using light sources selected and manipulated by the photographer, use of light sources in a controlled situation to achieve technically accurate renditions of subject matter and to make successful visual statements, and lighting techniques for product, still life, and portrait photography. Strongly Recommended: PHTO 50 with a minimum grade of C or PHTO 56 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

PHTO 66 DIGITAL IMAGING 3 UNITS

The course covers desktop digital imaging systems including editing software, scanning, camera use, and digital printing. Students will learn to use devices for image capture, storage, output, how to apply traditional photographic controls to enhance image quality in the digital medium, and to digitally manipulate images using digital editing software. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

PHTO 67 HISTORY OF PHOTOGRAPHY 3 UNITS

A broad chronological survey of photography from its invention to the present. Considers the medium's dual role as technology and art, addresses a multiplicity of photographic themes and purposes, and considers the intersections of photography and technology, history, art, and everyday life. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

Degree Applicable, Credit Grading Option: OP

PHTO 68 COLOR FIELD PHOTOGRAPHY 3 UNITS

This course covers the use of either digital photography or color slide or negative film to explore the solution of special technical and visual problems encountered in location shooting. Strongly Recommended: PHTO 50 with a minimum grade of C or PHTO 56 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

PHTO 69 INTERMEDIATE VIDEOGRAPHY 3 UNITS

This course covers intermediate level digital video production to integrate and build upon prior video making skills. emphasis is on creative expression, improving all production values, edited quality of finished presentation, distribution of quality video piece to festivals and the web. Class is taught on the Macintosh computer platform. Strongly Recommended: PHTO 58 with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

**PHTO 70 PHOTOSHOP AND LIGHTROOM 3 UNITS
FOR PHOTOGRAPHERS**

Learn to use Lightroom and Photoshop in a workflow designed for digital photographers. Learn Best practices for digital workflows, database management, non-destructive parametric editing, color management, and output to print, web, slideshows, and photo book. Students who have completed, or are enrolled in, GDDM 70 may not receive credit. Prerequisite: PHTO 56 with a minimum grade of C (may be taken concurrently). 27 hours lecture, 81 hours laboratory. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

PHTO 72 INTRODUCTION TO PHOTOJOURNALISM 3 UNITS

This course deals with the photographer as a journalist, focusing on theory and practice in press and publications photography, with emphasis on using the camera as a reporting and communications tool. Covered are news and feature photography and photographic essays, including composition, impact, and creativity, for newspapers, magazines, the Internet, and other mass communications media. Understanding and applying photojournalistic and basic technical and visual skills in the making of successful reportage photographs. Consideration of the work of major 20th and 21st century photojournalists. Course is cross listed with MSCM 72. Student will receive credit for taking either MSCM 72 or PHTO 72. Strongly Recommended: PHTO 50 and/or PHTO 56 and/or GDDM 53. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC*; C-ID# JOUR 160. *MSCM 35, MSCM 72, PHTO 72 combined: maximum UC credit, one course.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

PHYSICS

Physics, the study of natural phenomena from the smallest subatomic scales to the largest astronomical scales, is the foundation of all natural sciences and technological fields. Physics includes a wide variety of specializations, ranging from practical, technology-driven fields to the study of the fundamental laws and structure of the universe. The physics program at Las Positas College includes three tracks of study: calculus-based physics, algebra-based physics, and conceptual physics.

Programs of Study

Degrees:

- AS – Physics

Career Opportunities

Career opportunities for physicists with a bachelor's degree (or higher) include working as a staff scientist at a telescope facility, a researcher at a university or government-funded scientific agency (NASA, DOE, national laboratories, etc.) in K-12 or higher education, or a scientist who interacts with the public (through museums, science policy in government, etc.). Because a physicist's skill set is versatile, physicists also find jobs in other technical fields that value mathematical and computing skills, including technology or engineering companies, financial institutions, and companies requiring data analysts.

AS – Physics

About the Degree

The Associate of Science in Physics is designed to prepare students for to transfer ready for upper division work towards a bachelor's degree in Physics, Applied Physics, and related fields such as Astronomy and Astrophysics. The study of Physics encompasses a wide variety of disciplines and specializations, ranging from technology-driven fields to the study of the fundamental laws and structure of the universe

Program Outcomes

- Upon successful completion of an AS in Physics, students are able to analyze physical situations quantitatively using fundamental physics principles, ranging from Newtonian mechanics to modern physics.
- Upon successful completion of an AS in Physics, students are able to design and conduct laboratory experiments, and analyze and interpret their data.
- Upon successful completion of an AS in Physics, students are able to effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.

Required Core: (36.5 Units)

MATH 1 (Calculus I).....	5
MATH 2 (Calculus II)	5
MATH 3 (Multivariable Calculus).....	5

MATH 5 (Ordinary Differential Equations).....	3.5
PHYS 1A (General Physics I)	5
PHYS 1B (General Physics II)	5
PHYS 1C (General Physics III).....	5
PHYS 1D (General Physics IV).....	3

Program-Based GE: (3.5 Units)

MATH 7 (Elementary Linear Algebra)	3.5
--	-----

Total Units for the Major 36.5

Additional General Education and Elective Units..... 20

Total Units 60

See the Las Positas College General Education Pattern for the Associate of Science Degree for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Physics Courses (PHYS)

PHYS 1A GENERAL PHYSICS I 5 UNITS

Introduction to the principles of Newtonian Mechanics and analytical methods of physics using calculus as needed. Topics covered include vectors, kinematics, forces, energy, momentum, rotation, and gravitation. Prerequisite: MATH 1 with a minimum grade of C. 72 hours lecture, 54 hours laboratory. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID# PHYS 200 S (if taken with PHYS 1B+1C+1D), PHYS 205. *PHYS 2A, 2B or PHYS 1A, 1B, 1C, 1D combined: maximum UC credit, one series.

Degree Applicable, Credit Grading Option: GR

PHYS 1B GENERAL PHYSICS II 5 UNITS

Introduction to fluid dynamics, oscillations, mechanical waves, thermodynamics, light and optics. Prerequisite: PHYS 1A with a minimum grade of C and MATH 2 with a minimum grade of C. 72 hours lecture, 54 hours laboratory. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID# PHYS 200 S (if taken with PHYS 1A+1C+1D), PHYS 215 (if taken with PHYS 1D). *PHYS 2A, 2B or PHYS 1A, 1B, 1C, 1D combined: maximum UC credit, one series.

Degree Applicable, Credit Grading Option: GR

PHYS 1C GENERAL PHYSICS III 5 UNITS

Introduction to electricity and magnetism, circuits, Maxwell's equations and electromagnetic waves. Prerequisite: PHYS 1A with a minimum grade of C and MATH 3 with a minimum grade of C (May be taken concurrently). 72 hours lecture, 54 hours laboratory. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID# PHYS 200 S (if taken with PHYS 1A+1B+1D), PHYS 210. *PHYS 2A, 2B or PHYS 1A, 1B, 1C, 1D combined: maximum UC credit, one series..

Degree Applicable, Credit Grading Option: GR

PHYS 1D GENERAL PHYSICS IV 3 UNITS

Introduction to relativity and modern physics, including:

introduction to quantum theory; atomic, molecular, nuclear and particle physics; condensed matter physics; astrophysics and cosmology. Prerequisite: PHYS 1B with a minimum grade of C and PHYS 1C with a minimum grade of C, MATH 5 with a minimum grade of C (May be taken concurrently). 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A; C-ID# PHYS 200 S (if taken with PHYS 1A+1B+1C), PHYS 215 (if taken with PHYS 1B). *PHYS 2A, 2B or PHYS 1A, 1B, 1C, 1D combined: maximum UC credit, one series.

Degree Applicable, Credit Grading Option: GR

PHYS 2A INTRODUCTION TO PHYSICS I 4 UNITS

Introduction to the major principles of classical mechanics using pre-calculus mathematics. Includes Newtonian mechanics, energy, gravitation, fluids, thermodynamics, oscillations, and waves. Prerequisite: MATH 39 with a minimum grade of C. 54 hours lecture, 54 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID# PHYS 100 S (if taken with PHYS 2B), PHYS 105. *PHYS 2A, 2B or PHYS 1A, 1B, 1C, 1D combined: maximum UC credit, one series.

Degree Applicable, Credit Grading Option: GR

PHYS 2B INTRODUCTION TO PHYSICS II 4 UNITS

This algebra-based course is an introduction to the basic principles of electricity, magnetism, and modern physics. Topics include electrostatics, magnetism, circuits, electromagnetic waves, optics, relativity, atomic physics, and nuclear physics. Prerequisite: PHYS 2A with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID# PHYS 100 S (if taken with PHYS 2A), PHYS 110. *PHYS 2A, 2B or PHYS 1A, 1B, 1C, 1D combined: maximum UC credit, one series.

Degree Applicable, Credit Grading Option: GR

PHYS 10 DESCRIPTIVE PHYSICS 3 UNITS

Motion, gravitation, heat, light, sound, electricity, magnetism, atoms, and nuclei. Present-day scientific problems and developments such as alternative energy sources, solar energy, nuclear power, lasers, relativity and black holes. Designed for non-majors in physical science. Prerequisite: MATH 55 with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC*; CSU GE: B1; IGETC: 5A. *No UC credit for PHYS 10 or 10L if taken after PHYS 1A or 2A.

Degree Applicable, Credit Grading Option: GR

PHYS 10L DESCRIPTIVE PHYSICS LAB 1 UNIT

Introduction to laboratory principles and techniques with emphasis on the basic concepts of physics such as mechanics, thermodynamics, energy, electricity, magnetism, and optics. Prerequisite: MATH 55 with a minimum grade of C. Corequisite: PHYS 10 (may also be taken after successful completion of PHYS 10). 54 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B3; IGETC: 5C. *No UC credit for PHYS 10 or 10L if taken after PHYS 1A or 2A.

Degree Applicable, Credit Grading Option: GR

PHYS 29 INDEPENDENT STUDY, PHYSICS 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours

laboratory.

Grading Option: GR

POLITICAL SCIENCE

Political Science students study public issues of the day, as well as the timeless issues of government, public policy, and the political process as preparation for a wide variety of careers. At Las Positas College, courses cover the full spectrum of the political science discipline, from American Government, California State and Local Government, Comparative Government, Political Theory, and International Relations. The academically rigorous program provides opportunities for learning about the political process, fulfilling general education requirements, as well as preparation for transfer, fulfilling the typical lower-division requirements at a four-year institution. The course curriculum is designed for building critical thinking and analytical skills necessary for a variety of careers but also offers avenues for students to actively participate in the political process.

Programs of Study

Degrees:

- AA-T – Political Science

AA-T – Political Science

About the Degree

The Las Positas College Political Science program offers courses that lead to an Associate of Arts in Political Science for Transfer Degree. Students will have guaranteed admission to a California State University (CSU) campus upon successful completion of the program requirements. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals. General education requirements should be selected carefully based on the intended transfer institution.

Completion Requirements:

- Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education - Breadth Requirements.
 - A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Program Outcomes

- Upon successful completion of the AA-T in Political Science, students should be able to explain political change over time and cite appropriate political evidence.
- Upon successful completion of the AA-T in Political Science, students should be able to argue a political thesis using primary and/or secondary sources.

Required Core: (4 Units)

POLI 7 (Introduction to American Government)4

List A: Select Three (9-10 Units)

MATH 40 (Statistics and Probability)4
 POLI 20 (Comparative Government).....3
 POLI 25 (Introduction to Political Theory).....3
 POLI 30 (International Relations).....3

List B: Select Two (6-7 Units)

Any List A course not already used..... 3-4
 HIST 7 (US History Through Reconstruction).....3
 HIST 8 (US History Post-Reconstruction).....3
 POLI 12 (Introduction to California State and Local Government) .3
 SOC 5 (Introduction to Global Studies)3

Total Units for the Major 19-20

Additional General Education and Elective Units40-41

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Political Science Courses (POLI)

POLI 7 INTRODUCTION TO AMERICAN GOVERNMENT 4 UNITS

Introduction to the principles, problems and basic issues of government with particular emphasis on the national government in the United States, including discussion of the American Constitution, and California state and local government. Strongly Recommended: Eligibility for ENG 1A. 72 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D8; CSU AI: US2, US3; IGETC: 4H; C-ID# POLS 110.

Degree Applicable, Credit Grading Option: OP

POLI 12 INTRODUCTION TO CALIFORNIA STATE AND LOCAL GOVERNMENT 3 UNITS

Organization and operation of government and politics at the state, county and municipal level; emphasis on current issues and the

influences of historical, geographical, political, economic and social factors on public policy. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D8; IGETC: 4H.

Degree Applicable, Credit Grading Option: OP

POLI 20 COMPARATIVE GOVERNMENT 3 UNITS

Contemporary forms of government, institutions and political problems of selected national governments. Strongly Recommended: POLI 7 with a minimum grade of C, Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D8; IGETC: 4H; C-ID# POLS 130.

Degree Applicable, Credit Grading Option: OP

POLI 25 INTRODUCTION TO POLITICAL THEORY 3 UNITS

Various theoretical approaches to politics including selected aspects of political thought from ancient times to the present with application of current political thought. Strongly Recommended: Eligibility for ENG 1A, POLI 7 with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D8; IGETC: 4H; C-ID# POLS 120.

Degree Applicable, Credit Grading Option: OP

POLI 29 INDEPENDENT STUDY, POLITICAL SCIENCE 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

POLI 30 INTERNATIONAL RELATIONS 3 UNITS

Introduction to international relations, politics, theories and institutions with an emphasis on contemporary practices. Strongly Recommended: POLI 7 with a minimum grade of C, Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D8; IGETC: 4H; C-ID# POLS 140.

Degree Applicable, Credit Grading Option: OP

PSYCHOLOGY

Psychology is the science of behavior and mental experiences. Psychology includes a variety of subfields including biological, developmental, clinical, counseling, school, and experimental psychology.

Programs of Study

Degrees:

- AA-T – Psychology

Career Opportunities

The Las Positas Psychology program offers an AA-T degree that provides students with a basic understanding of behavior and motivation that is valuable in many careers in business, government, and education. To become a psychologist, however, requires graduate

AA-T – Psychology

About the Degree

The Associate in Arts in Psychology for Transfer is to assist students in transferring into the California State University System. Students completing the AA-T degree receive a guarantee of admission with junior status into the California State University System. The CSU system is required to grant priority admission for a student with this associate degree to a CSU campus and to a program or major that is similar to their community college major or area of emphasis, as determined by the CSU campus to which the student is admitted. In addition, a student shall receive priority over all other community college transfer students, excluding community college students who have entered into a transfer agreement between a community college and the California State University. Students who complete the program will have a basic understanding of psychological theory, skills and methods relevant to conducting rigorous psychological research, and critical knowledge of various substantive topics of psychology.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education - Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district..
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Program Outcomes

- Upon completion of AA-T in Psychology, the student will be able to apply theories, concepts and findings in psychology for self-understanding, self-improvement, and lifelong learning.
- Upon completion of AA-T in Psychology, the student will be able to demonstrate an understanding of and apply basic research methods in psychology including research design, hypothesis testing, and data interpretation.
- Upon completion of AA-T in Psychology, the student will be able to demonstrate an understanding of the value of sociocultural diversity and individual differences.
- Upon completion of AA-T in Psychology, the student will be able to demonstrate critical thinking skills to assess real-world issues and to solve problems related to behavioral and mental processes.
- Upon completion of AA-T in Psychology, the student will be able to demonstrate knowledge of the major concepts, theories, and empirical findings in psychology. This understanding should

focus on the biological basis and development of behaviors and mental processes.

Required Core: (11 Units)

MATH 40 (Statistics and Probability)	4
PSYC 1 (General Psychology).....	3
PSYC 25 (Research Methods).....	4

List A: Select One (3-4 Units)

BIO 10 (Introduction to the Science of Biology)	4
BIO 30 (Introduction to College Biology).....	4
PSYC 4 (Brain, Mind, and Behavior)	3

List B: Select One (3-4 Units)

Any List A course not already used.....	3-4
PSYC 3 (Introduction to Social Psychology)	3
PSYC 12 (Life-Span Psychology).....	3

List C: Select One (3-5 Units)

Any List A or B course not already used	3-4
ANTR 1 (Biological Anthropology)	3
ANTR 3 (Cultural Anthropology)	3
MATH 1 (Calculus I).....	5
PSYC 6 (Abnormal Psychology)	3
PSYC 10 (Psychology of Human Sexuality)	3
PSYC 13 (Psychology of Women).....	3
PSYC 15 (Abnormal Child Psychology)	3
PSYC 17 (The Psychology of Sleep and Dreams)	3
PSYC 21 (Introduction to Cross-Cultural Psychology)	3
SOC 1 (Principles of Sociology)	3

Total Units for the Major 20-24

Additional General Education and Elective Units..... 36-40

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Psychology Courses (PSYC)

PSYC 1 GENERAL PSYCHOLOGY 3 UNITS

Introduces students to the scientific study of human behavior and mental processes. Provides an overview of major psychological concepts and theories in such areas as consciousness, learning, memory, motivation, perception, personality, stress, and social behavior. Strongly Recommended: Eligibility for ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D9; IGETC: 4I; C-ID# PSY 110.

Degree Applicable, Credit Grading Option: OP

PSYC 3 INTRODUCTION TO SOCIAL 3 UNITS

PSYCHOLOGY

This course will introduce theories and concepts that explain individual behavior in social settings. The topics include research methods, social perception, social cognition, beliefs, prejudice/discrimination, interpersonal relationships, aggression, and group behavior. Strongly Recommended: PSYC 1 with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D9; IGETC: 4I; C-ID# PSY 170.

Degree Applicable, Credit Grading Option: OP

PSYC 4 BRAIN, MIND, AND BEHAVIOR 3 UNITS

Introduction to the field of biopsychology. The biopsychology of cognitive, perceptual, emotional, developmental, and social processes. Includes the biopsychology of personality, gender, emotions, learning, learning disabilities, drugs, neurological and developmental disorders, and mental health. Examination of information and theory for practical application. Prerequisite: PSYC 1 with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B2, D9; IGETC: 4I, 5B; C-ID# PSY 150.

Degree Applicable, Credit Grading Option: OP

PSYC 6 ABNORMAL PSYCHOLOGY 3 UNITS

An introduction to mental health and the major mental health disorders in adults and children; includes anxiety, mood, personality, sexual, and psychotic disorders. The course will include the study of the major psychological, biological, and sociocultural models of mental health disorders and their treatment. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D9; IGETC: 4I; C-ID# PSY 120.

Degree Applicable, Credit Grading Option: OP

PSYC 10 PSYCHOLOGY OF HUMAN SEXUALITY 3 UNITS

Physiological and psychosocial aspects of sexual health in our contemporary society. Understanding the interrelationship of attitude and behavior as it relates to sexual well-being and sexual integrity. 54 hours lecture. AA GE. Transfer: CSU, UC; CSU GE: E; C-ID# PSY 130.

Degree Applicable, Credit Grading Option: OP

PSYC 12 LIFE-SPAN PSYCHOLOGY 3 UNITS

Introduction to the psychological, physiological, and socio-cultural factors influencing development from conception through death. Emphasis on the process of normal development and its variations. Examination of theoretical models and research for practical application. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D9, E; IGETC: 4I; C-ID# PSY 180.

Degree Applicable, Credit Grading Option: OP

PSYC 13 PSYCHOLOGY OF WOMEN 3 UNITS

This course examines the diverse experiences of women from a psychological perspective. Students will explore psychological theory and research on gender and issues that affect women, and will gain insight into how psychologists investigate gender-related issues. Strongly Recommended: PSYC 1 with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D4, D9; IGETC: 4D, 4I.

Degree Applicable, Credit Grading Option: OP

PSYC 15 ABNORMAL CHILD PSYCHOLOGY 3 UNITS

An exploration of the emotional, cognitive, developmental, and behavioral problems of childhood and adolescence. Topics include: common stresses and problems of adjustment; the effects of stress, abuse, and traumas on development; intellectual disability, autistic spectrum disorder, and other developmental disabilities; normal and abnormal problems of attention, conduct, mood, anxiety, sleep, eating, sex, learning and speech. Examination of the causes of mental health problems in children and adolescents and approaches to treatment. Students who have completed or are enrolled in Early Childhood Development 15 may not receive credit. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D7, D9; IGETC: 4G, 4I.

Degree Applicable, Credit Grading Option: OP

PSYC 17 THE PSYCHOLOGY OF SLEEP AND DREAMS 3 UNITS

An introduction to the scientific study of sleep and dreams. Major historic, modern, multicultural views and theories of sleep and dreams; research methods in the study of sleep and dreams; the biological basis of sleep and dreams; biological rhythms; individual differences in biological rhythms; the stage and cycles of sleep; sleep requirements and changes across the lifespan; sleep deprivation and its effects on cognitive, emotional, behavioral functioning and health; the role of sleep and dreams in mental health; the relationship between sleep and daytime alertness and performance; theories of dream content, function, and meaning; dreaming and creativity; and lucid dreaming; sleep disorders, their characteristics and treatments. Examination of information and theories for practical application. 54 hours lecture. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

PSYC 21 INTRODUCTION TO CROSS-CULTURAL PSYCHOLOGY 3 UNITS

This course is an introduction to cross-cultural identities, which focuses on the way culture influences human behavior and shapes mental processes. We will study a variety of ethnic, social, and cultural group developmental norms and the extent of influence these norms may have on an individual. This course seeks to strengthen diversity awareness and knowledge by bringing awareness to the importance of engaging in difficult discussions. This course will review a broad range of theories and research findings regarding cultural influences on human behavior and cognitive process. Topics covered include development of an individual worldview, identity development, stereotypes, prejudice, discrimination, racism, sexism, heterosexism, ableism, ageism, immigration & acculturation, privilege, oppression and cross-cultural issues in psychological literature. Strongly Recommended: PSYC 1 with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

Degree Applicable, Credit Grading Option: OP

PSYC 25 RESEARCH METHODS 4 UNITS

Introduction to the use of the scientific method in the study of human and animal behavior. Coverage of descriptive, experimental, and non-experimental methods commonly used in psychological

research. Topics will include ethical principles in research, hypothesis development and testing, observational methods, survey research, the fundamentals of experimental design, basic data analysis, and the presentation of research findings. Prerequisite: PSYC 1 with a minimum grade of C and MATH 40 with a minimum grade of C (May be taken concurrently). 54 hours lecture, 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: D9; IGETC 4I; C-ID# PSY 200, PSY 205 B.

Degree Applicable, Credit Grading Option: OP

PSYC 27 INTRODUCTION TO COGNITIVE SCIENCE 3 UNITS

An introduction to the interdisciplinary field of cognitive science. Basic issues related to cognition, including perception, memory, language, learning, problem solving, spatial cognition, attention, mental imagery, consciousness, brain damage, development, and artificial intelligence, are considered from the perspectives of psychology, philosophy, computer science, and neuroscience. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

Degree Applicable, Credit Grading Option: OP

PSYC 29 INDEPENDENT STUDY, PSYCHOLOGY 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

PSYCHOLOGY-COUNSELING

Psychology-Counseling courses were developed to help educate students about the Departments and resources of Las Positas College. Some courses enable students to explore and develop a personal career and education plan, explore options for transferring to a baccalaureate degree-granting college or university, and improve and enhance study skills and financial literacy for success in college. Other courses are also offered to increase students' knowledge in multiculturalism. Additionally, these courses provide students with a means to learn theoretical knowledge, gain hands-on experience, and explore career opportunities in the field of Health and Human Services.

Programs of Study

Degrees:

- AA-T - Social Work and Human Services

AA-T – Social Work and Human Services

About the Degree

The Las Positas College Social Work and Human Services program offers courses that lead to an Associate in Social Work and Human

Services for Transfer degree. The major requirements for this degree are designed to ensure that students are well-prepared for transfer and for work in the human services field, providing students with the fundamental understanding of the principles of Social Work and Human Services as well as experience in the application of these principles. Participation in Social Work and Human Services classes develops critical thinking, personal growth, cultural sensitivity, active listening, problem sensitivity, presentation skills, and an understanding of the theories, perspectives, principles, and concepts behind Social Work and Human Services. Students will have guaranteed admission to a California State University (CSU) campus in a similar major upon successful completion of the program requirements. Students should speak with a counselor to determine whether or not this degree is the best option for their transfer goals.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education - Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Program Outcomes

- Upon successful completion of the AA-T in Social Work and Human Services, the student should be able to demonstrate a foundational understanding of social work and human services outlining the evolution of social welfare and human services in the U.S.
- Upon successful completion of the AA-T in Social Work and Human Services, the student should be able to critically analyze societal factors that create and contribute to social service needs.
- Upon successful completion of the AA-T in Social Work and Human Services, the student should be able to demonstrate an understanding of cultural sensitivity and systems of oppression/privilege as a foundation to success in the fields of social work and human services.
- Upon successful completion of the AA-T in Social Work and Human Services, the student should be able to demonstrate knowledge and understanding of theoretical perspectives, legal and ethical principles and social issues related to social work and human services fields.

Required Core: (22-23 Units)

- BIO 10 (Introduction to the Science of Biology) or
 BIO 20 (Contemporary Human Biology) or
 BIO 30 (Intro to College Biology) or
 BIO 50 (Anatomy and Physiology)..... 3-4
 ECON 1 (Principles of Microeconomics) or

- ECON 2 (Principles of Macroeconomics)3
 MATH 40 (Statistics and Probability)4
 PCN 5 (Introduction to Social Work and Human Services)3
 PCN 50 (Fieldwork Seminar: Social Work and Human Services).....2
 PCN 50L (Fieldwork/Practicum: Social Work and
 Human Services)1
 PSYC 1 (General Psychology).....3
 SOC 1 (Principles of Sociology)3

List A: Select Two (6 Units)

- AJ 50 (Intro to Admin of Justice)3
 AJ 56 (Fundamentals of Crime and Delinquency)3
 ANTR 3 (Social/Cultural Anthropology)3
 CMST 11 (Intercultural Communication).....3
 ECE 56 (Child Growth and Development)3
 ECE 62 (Child, Family and Community).....3
 PCN 13 (Multicultural Issues in Contemporary America).....3
 PCN 35 (Drugs, Health, and Society).....3
 PSYC 6 (Abnormal Psychology)3
 PSYC 12 (Life-Span Psychology).....3
 SOC 3 (Cultural and Racial Minorities)3
 SOC 6 (Social Problems)3

Total Units for the Major28-29

Additional General Education and Elective Units..... 31-32

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Psychology – Counseling Courses (PCN)

PCN 3 THEORIES AND CONCEPTS OF COUNSELING: AN INTRODUCTION 3 UNITS

This is an introductory course to the theories and concepts, as well as the historical foundations of counseling with an emphasis on fundamental principles of the therapeutic process. There will be a major focus on multicultural principles and major diagnostic categories, problems, and solutions relating to recovery in counseling. Ethics in counseling, as well as legal implications will also be introduced and examined. 54 hours lecture. AA/AS GE. Transfer: CSU; CSU GE: D7, D9.

Degree Applicable, Credit Grading Option: OP

PCN 5 INTRODUCTION TO SOCIAL WORK AND HUMAN SERVICES 3 UNITS

An introductory overview of social welfare and the societal institutions in the U.S. that structure the provision of social services. The course presents a historical perspective on the development of

U.S. social work and human services. Special attention is given to the evolution of social welfare programs and institutions, major U.S. court decisions, contemporary social problems, current service delivery systems, policies, procedures, and the tasks of culturally responsive social workers and human service workers within those settings. Strongly Recommended: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

PCN 10 CAREER AND EDUCATIONAL PLANNING 2 UNITS

Exploration of the concept of career, educational and life planning focusing on personal career development through self-assessment. Emphasis on clarification of individual interests, values, needs, abilities and decision making styles, investigation of occupational opportunities in the world of work, and introduction to job search strategies, resume writing and interview skills. Designed for those undecided or uncertain about their career and educational plans. 36 hours lecture. Transfer: CSU; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

PCN 13 MULTICULTURAL ISSUES IN CONTEMPORARY AMERICA 3 UNITS

Exploration of issues relating to the multicultural community in which we live today. Interpersonal relations and communication. Focus on improving individuals understanding of other cultures and how those cultures impact the American lifestyle. Includes exploration of myths and misunderstandings. Discussion of four specific cultures or sub-cultures from the following groups: 1) African-American 2) Asian-American, 3) Hispanic-American, 4) Native-American, 5) Middle Eastern-American, 6) European-American, 7) Gay/Lesbian American, 8) Disabled American. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D3, D7; IGETC: 4C, 4G.

Degree Applicable, Credit Grading Option: OP

PCN 15 COLLEGE STUDY SKILLS 2 UNITS

A review of study skill techniques for success in college. Topics include college culture and resources, time management, personal learning style, organization, note-taking and test-preparation strategies. Includes practice and evaluation of study skill techniques. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

PCN 18 UNIVERSITY TRANSFER PLANNING 0.5-1 UNITS

Introduction to the resources and planning process needed to ease transition from community college to a four-year college or university. Development of a transfer action plan. Preparation for major and general education requirements. Application cycles and important deadlines. Recommended for those transferring to four-year colleges or universities. 9-18 hours lecture. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

PCN 25 TRANSITION TO COLLEGE 0.5 UNITS

A survey of practical strategies for academic success focusing on the

new student. Examines goal setting, college policies, graduation requirements, campus resources, student's rights and responsibilities, and student educational planning. Designed for first time college students in order to enhance their transition into college and maximize their academic/career technical potential. 9 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

PCN 28 ORIENTATION FOR INTERNATIONAL STUDENTS 1 UNIT

Exploration of practical strategies for academic success and to experience a positive transition into the American educational system and culture focusing on the new international student. Examines goal setting, cultural adjustment, college policies, graduation requirements, campus resources, programs and services, student rights and responsibilities, introduction to the California systems of higher education, student educational planning and other topics as needs are identified. Designed for first time international college students in order to enhance their transition into American society and maximize successful matriculation through college toward their academic goals. 18 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

PCN 30 STUDENT SUCCESS AND THE COLLEGE EXPERIENCE 3 UNITS

This course explores concepts, knowledge, and skills relevant to college success. Students will engage in critical analysis on a variety of topics, including motivation, decision making, interpersonal communication, multicultural awareness, and learning theory. Problem solving strategies will be applied to areas including goal setting, career development, wellness, and accessing campus resources. 54 hours lecture. Transfer: CSU, UC*; CSU GE: E. *KIN 16 and PCN 30 combined: maximum UC credit, 3 units.

Degree Applicable, Credit Grading Option: OP

PCN 35 DRUGS, HEALTH, AND SOCIETY 3 UNITS

This course provides an overview of the epidemiology and toxicology of substance abuse and its relevance to personal and public health. Students will be introduced to the concept of substance abuse and dependence, the definition of licit and illicit drugs, and the pharmacologic, neurologic and physiologic effects of selected substances on the human brain. Political, social and economic factors involved in the supply and demand for drugs will be discussed. Epidemiologic data on the prevalence, incidence, and trends of smoking, alcohol, prescription and other drug dependencies in the U.S. will be covered, as well as risk factors associated with the use and abuse of these substances. Current options for recovery and a survey of local resources will be reviewed. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; C-ID# PHS 103.

Degree Applicable, Credit Grading Option: OP

PCN 40 LIFE SKILLS: FINANCIAL LITERACY 1 UNIT

Promoting financial responsibility through learning the basics of handling money and finances, including how to create positive relationships with financial institutions. Emphasis on understanding effective financial practices including record keeping, wise use of

credit, saving and investing, budgeting, consumer safety laws, loans and home ownership. 18 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**PCN 50 FIELDWORK SEMINAR: SOCIAL 2 UNITS
WORK AND HUMAN SERVICES**

This course offers the student a supervised field experience in a community organization, agency, or institution, allowing the student to gain knowledge of the social services career field and learn new skills which can be applied in the fieldwork setting. Weekly class meetings provide the academic element to this experiential course offering and reinforcing the application of concepts gained in the prerequisite and corequisite course. This course is designed to provide the student with an opportunity to develop skills that would facilitate gaining employment in the human services field. Prerequisite: PCN 5 with a minimum grade of C. Corequisite: PCN 50L. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**PCN 50L FIELDWORK/PRACTICUM: 1 UNIT
SOCIAL WORK AND HUMAN SERVICES**

This course provides an introduction to fieldwork participation in the area of Social Work/Human Services (community organization, agency, or institution) allowing the student to apply knowledge and learn new skills outside of the classroom environment. This course is designed to provide the student with an opportunity to develop skills in preparation for gaining employment in the human services field. Students will be required to participate in a minimum of 60 hours of fieldwork per term. Corequisite: PCN 50. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**RADIATION
SAFETY**

The Radiation Safety sequence is a modularized series of courses designed to provide basic radiation safety instruction. Knowledge gained from taking the sequence of classes includes identification of the sources of radiation and radioactive materials, the nature of ionization radiation, biological effects, risk assessment, protection strategies, environmental impacts, and waste handling.

Career Opportunities

The Radiation Safety sequence of classes could be taken by students seeking, with further study, careers in radiology, radiation safety, occupational safety and health, industrial hygiene, certified safety professional, emergency response, and hazardous materials control.

Radiation Safety Courses (RADS)

RADS 40A RADIATION SAFETY 2 UNITS

A course designed to provide basic radiation safety instruction. Includes identification of the sources of radiation and radioactive

materials, the nature of ionization radiation, biological effects, and risk assessment. Strongly Recommended: MATH 110 with a minimum grade of C or MATH 110B with a minimum grade of C. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**RADS 40B EMERGENCY RESPONSE AND 1 UNIT
MONITORING**

A course designed to provide overview and understanding of radiological emergencies and instrumentation. Builds upon principles, concepts, and terminology from 40A, and introduces practical use of radiological survey equipment. Prerequisite: RADS 40A with a minimum grade of C. 18 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**RADS 40C SAFETY CONTROLS AND 1 UNIT
REGULATION**

A course designed to provide further understanding of radiological controls, regulations, environmental impacts, and waste management. Prerequisite: RADS 40A with a minimum grade of C or Instructor Approval. 18 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**RELIGIOUS
STUDIES**

Religious Studies is a discipline that is inherently interdisciplinary and intercultural. The Religious Studies courses provide students with an opportunity to explore the distinctive institutions, beliefs, rituals, myths, sacred writings, and ethics of many of our world's diverse religions, cultures and civilizations. The Religious Studies course offerings include an introductory survey course that allows students to explore the wide range of beliefs, spiritual practices and sacred writings of our world's religions. Additionally, students can take courses in The Bible, Islam and Women's Spirituality as part of the Religious studies curriculum. The courses offered in Religious Studies invite students to develop a deeper appreciation of the ways in which humanity has understood the sacred, our world and our place within it.

Religious Studies Courses (RELS)

RELS 1 RELIGIONS OF THE WORLD 3 UNITS

Introduction to religion by examining several religions; basic principles of each shown by fundamental scriptures and works in the visual and musical arts. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

**RELS 2 BIBLE: HISTORY AND 3 UNITS
LITERATURE**

Study of the historical context and literary forms of the Hebrew Bible and New Testament. Emphasis on social, political and economic

origins of the works, their literary motifs, and how their creation reflected ongoing cultural values. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

RELS 3 INTRO TO WOMEN'S SPIRITUALITY 3 UNITS

An interdisciplinary and cross-cultural examination of women's spirituality with particular reference to women's contributions and influence in redefining feminine aspects of the divine. Examines the use of feminine experience as a primary construct for understanding the connection between women's spirituality and the sacred. This course will also explore how issues of gender, culture, and identity influence women's religious experiences. Explores religious texts, rituals, music, poetry and film. 54 hours lecture AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

RELS 11 THE NATURE OF ISLAM 3 UNITS

Introduction to the nature of Islam as a religion or system for life, its culture and its impact on Muslim individuals and groups. Includes a brief history of Islam and Muslims in relation to the basic sources of Islam. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

SOCIOLOGY

Sociology is the study of social life, social change, and the social causes and consequences of human behavior. Courses in Sociology are designed to prepare students for further study in Sociology leading to the BA, MA, MSW, and/or PhD degrees.

Programs of Study

Degrees:

- AA-T – Sociology

Career Opportunities

Sociologists with graduate degrees may teach at the high school, college, or graduate levels. They may also become Research Sociologists in both the public and private sectors and work in areas of public policy, the law, and international studies. Applied Sociologists may work with social service agencies and community programs on behalf of others—often underrepresented or neglected groups.

AA-T – Sociology

About the Degree

The Associate in Arts in Sociology for Transfer program prepares students for a seamless transfer a CSU for continued study in sociology and other various fields of social science. Students who complete the program will have a basic understanding of sociological

theory, skills and methods relevant to conducting rigorous sociological research, and critical knowledge of various substantive topics of sociology such as race, gender, class, sexuality, family, culture, globalization, and social problems.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education - Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
 2. Obtainment of a minimum grade point average of 2.0.
- ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Program Outcomes

- Upon completion of AA-T in Sociology, the students should be able to analyze and describe the major concepts, theoretical perspectives, empirical findings, and historical trends in sociology.
- Upon completion of AA-T in Sociology, the students should be able to demonstrate critical thinking and analytic skills in the application of social theory to solve problems that arise in institutional and societal contexts.

Required Core: (10-11 Units)

SOC 1 (Principles of Sociology) 3

Select Two

MATH 40 (Statistics and Probability) 4
 SOC 6 (Social Problems) 3
 SOC 13 (Research Methods) 4

List A: Select Two (6-7 Units)

Any Required Core not already used 3-4
 PSYC 3 (Introduction to Social Psychology) 3
 SOC 3 (Cultural and Racial Minorities) 3
 SOC 4 (Marriage and Family Relations) 3
 SOC 7 (Sociology of Sexuality) 3
 SOC 11 (Sociology of Gender) 3

List B: Select One (3-4 Units)

Any course not already used 3-4
 ANTR 3 (Cultural Anthropology) 3
 PSYC 1 (General Psychology) 3
 SOC 5 (Introduction to Global Studies) 3
 SOC 12 (Popular Culture) 3

Total Units for the Major 19-20

Additional General Education and Elective Units 40-41

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Sociology Courses (SOC)

SOC 1 PRINCIPLES OF SOCIOLOGY 3 UNITS

The sociological perspective: scientific study of human interaction and society as a whole with emphasis on impact of groups on social behavior; systematic examination of culture and social organization, and methodology. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D0; IGETC: 4J; C-ID# SOCI 110.

Degree Applicable, Credit Grading Option: GR

SOC 3 CULTURAL AND RACIAL MINORITIES 3 UNITS

Racial and ethnic relations in the United States. Examines the cultural, political, and economic practices and institutions that support or challenge racism, racial and ethnic inequalities, as well as patterns of interaction between various racial and ethnic groups. Strongly Recommended: SOC 1 with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D0, D3; IGETC: 4J; C-ID# SOCI 150.

Degree Applicable, Credit Grading Option: OP

SOC 4 MARRIAGE AND FAMILY RELATIONS 3 UNITS

Sociological perspective of the family including mate selection, marital roles, marital adjustment, sexual adjustment, reproduction, child rearing, marital dissolution, and problems associated with the family in modern industrial society. Strongly Recommended: SOC 1 with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D0, E; IGETC: 4J; C-ID# SOCI 130.

Degree Applicable, Credit Grading Option: GR

SOC 5 INTRODUCTION TO GLOBAL STUDIES 3 UNITS

This course looks at the economic and political forces that have led to rapid changes in global interaction and culture over the past century, with special emphasis on the last twenty years. It explores the issues of nationalism, global citizenry, state violence, terrorism, the global economy, migration, the threatened environment, technology, and the role of multinational media industries on culture. Students who have completed, or are enrolled in, GS 1 may not receive credit. Strongly Recommended: SOC 1 with a minimum grade of C, ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D7; IGETC: 4G.

Degree Applicable, Credit Grading Option: GR

SOC 6 SOCIAL PROBLEMS 3 UNITS

An identification and analysis of contemporary social problems

including (1) the role of power and ideology in the definition of social problems, (2) their causes and consequences, (3) evaluations of proposed solutions, and (4) methods of intervention. Topics will vary. 54 hours lecture. Transfer: CSU, UC; CSU GE: D0; IGETC: 4J; C-ID# SOCI 115.

Degree Applicable, Credit Grading Option: OP

SOC 7 SOCIOLOGY OF SEXUALITY 3 UNITS

This course looks at the social forces that influence, and are influenced by our construction of sexuality. Topics covered include: the social construction of the erotic, the creation of sexual identities, gender and sexuality, religion and sexuality, sexual commerce, and global issues such as birth control and STDs. Strongly Recommended: SOC 1 with a minimum grade of C. 54 hours lecture. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: GR

SOC 11 SOCIOLOGY OF GENDER 3 UNITS

This course examines the social construction of masculinity and femininity historically and cross-culturally. It analyzes the impact of economic and political change on gender expectations and practices. This class focus includes both macro-analysis of how institutions shape gender and microanalyses of how individuals "do" or practice gender. 54 hours lecture. Transfer: CSU, UC; CSU GE: D0, D4; IGETC: 4J; C-ID# SOCI 140.

Degree Applicable, Credit Grading Option: OP

SOC 12 POPULAR CULTURE 3 UNITS

The course explores the historical, theoretical, political, and economic factors that influence the creation and diffusion of popular culture. It examines the impact of technological innovation and globalization on how popular culture is consumed and how this affects society. Strongly Recommended: SOC 1 with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D0; IGETC: 4J.

Degree Applicable, Credit Grading Option: OP

SOC 13 RESEARCH METHODS 4 UNITS

This course orients students to the methods of data collection and analysis used by sociologists. Instruction includes an overview of sociological theory, instruction on experimental methods, surveys, interviews, field research, participant observation, demographic methods, and comparative historical approaches. Prerequisite: SOC 1 with a minimum grade of C. Strongly Recommended: MATH 40 with a minimum grade of C. 54 hours lecture, 54 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: D0; IGETC: 4J; C-ID# SOCI 120.

Degree Applicable, Credit Grading Option: OP

SOC 29 INDEPENDENT STUDY, SOCIOLOGY 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

SPANISH

The Foreign Language program offers primarily first- and second-year transfer-level courses in American Sign Language, Spanish, French, and Italian. Some courses are scheduled on a rotating basis. The transfer-level courses are designed to prepare students to continue with their language studies in upper-division courses after leaving Las Positas College. In addition, there is an emphasis on learning about the culture of the people who speak the individual languages.

Spanish Courses (SPAN)

SPAN 1A BEGINNING SPANISH 5 UNITS

This introductory level course offers a balanced approach to language and culture. It will enable students to begin speaking, reading and writing elementary level Spanish as well as understanding the spoken language as they explore the culture and countries of the Spanish-speaking world. Students are introduced to concepts of grammar, vocabulary and verb tenses in a variety of auditory, visual and written contexts. Strongly Recommended: ENG 1A with a minimum grade of C. 90 hours lecture. AA/AS GE. Transfer: CSU, UC; IGETC: 6A; C-ID# SPAN 100.

Degree Applicable, Credit Grading Option: OP

SPAN 1B ELEMENTARY SPANISH 5 UNITS

This is the second semester of the introductory level course. It continues to offer a balanced approach to language and culture. It enables students to continue learning to speak, read and write elementary level Spanish as well as to understand the spoken language as they explore the culture and countries of the Spanish-speaking world. Students continue to review and improve upon concepts of grammar, vocabulary and verb tenses in a variety of auditory, visual and written contexts. The course will continue to examine the culture of the Spanish-speaking world. Prerequisite: SPAN 1A with a minimum grade of C. 90 hours lecture. AA/AS GE. Transfer: CSU, UC; IGETC: 6A; C-ID# SPAN 110.

Degree Applicable, Credit Grading Option: OP

SPAN 2A INTERMEDIATE SPANISH I 4 UNITS

This course covers a review of grammar, reading of contemporary literature, practice in conversation and composition, and discussion of cultural topics. Prerequisite: SPAN 1B with a minimum grade of C. 72 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B, 6A; C-ID# SPAN 200.

Degree Applicable, Credit Grading Option: OP

SPAN 2B INTERMEDIATE SPANISH II 4 UNITS

A course covering the reading of contemporary works, advanced review of grammar emphasis on speaking and composition, and further discussion of cultural topics. Prerequisite: SPAN 2A with a minimum grade of C. 72 hours lecture. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B, 6A; C-ID# SPAN 210.

Degree Applicable, Credit Grading Option: OP

SPAN 21 SPANISH FOR SPANISH SPEAKERS I 5 UNITS

This course is designed for bilingual students whose heritage language is Spanish and for linguistically qualified students. Culture, language structures, basic fundamentals of grammar and composition, and oral and written communication are included in this course. The course provides students with instruction that builds upon their existing reading, writing, speaking and listening skills, and their cultural heritage and knowledge. The course increases awareness of linguistic registers and introduces a broad range of vocabulary. The course will allow students to discuss topics beyond their familiar routine and enhance their knowledge of Hispanic cultures as manifested in Spanish speaking countries and in the United States. This course is conducted entirely in Spanish. Prerequisites: Spanish heritage speaker proficiency or the equivalent intermediate level as assessed. 90 hours lecture. AA/AS GE. Transfer: CSU, UC; C-ID# SPAN 220.

Degree Applicable, Credit Grading Option: OP

SPAN 22 SPANISH FOR SPANISH SPEAKERS II 5 UNITS

This course is the second semester of Spanish for bilingual students. It's designed for students whose heritage language is Spanish and for linguistically qualified students who wish to improve their reading and writing Spanish skills. It continues to provide students with instruction that builds upon their existing reading, writing, speaking and listening skills, and their cultural heritage and knowledge. The course will continue helping students increase awareness of linguistic registers, discuss topics beyond the students' familiar routine and expand upon appreciation for Hispanic cultures as manifested in Spanish speaking countries and in the United States. This course is conducted entirely in Spanish: oral fluency in Spanish is strongly recommended. Prerequisite: SPAN 21 with a minimum grade of C. 90 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B; C-ID# SPAN 230.

Degree Applicable, Credit Grading Option: GR

SPAN 23 INTRODUCTION TO HISPANIC LITERATURE 3 UNITS

This course is designed for Spanish speakers and for linguistically qualified students who wish to improve their skills to a high-advanced level of reading, writing and literary analysis. The emphasis is on critical thinking and logical and effective support of ideas. Literary discussions will be an important component of the class, but writing composition will also be included, as well as exposure to international Hispanic culture. This course is conducted entirely in Spanish. Prerequisite: Spanish heritage speaker proficiency or the equivalent intermediate level as assessed. Strongly recommended: SPAN 22 with a minimum grade of C or successful completion of AP Spanish in high school. 54 hours lecture. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

SPAN 29 INDEPENDENT STUDY, SPANISH 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

THEATER ARTS

The Theater Arts major is designed to provide knowledge, training, and practical experience in a variety of areas which can be used in continuing participation and appreciation of theater and film throughout life. The Theater program at Las Positas is a unique blend of hands-on learning, personal creative exploration, and history and culture; theater is a wonderful way to continue to grow as a student and as an artist. Classes cover such topics as theater history, musical theater, acting, theater for young audiences, and directing, as well as stage and production management, lighting, scenery, and costume design. Our student-centered coursework and productions offer many different opportunities for students to become involved in the program and college in a meaningful, academic, and career-centered way. The Las Positas Theater program presents 5 productions annually, as well as many other performing and technical opportunities for our theater majors. We house our program in a beautiful state of the art performance facility with three theaters (a 450-seat proscenium, a black box, and an outdoor amphitheater), a costume shop, scene shop, and rehearsal studio.

Programs of Study

Degrees:

- AA-T – Theater Arts
- AA – Theater Arts

Certificates of Achievement:

- Technical Theater

Career Opportunities

Career Opportunities for Theater majors (some with further study) may include: actor, director, playwright, dramaturg, literary manager, casting director, production manager, producer, artistic director, political advocate for the arts, teacher, lighting designer, lighting operator, scenic painter, stage/set designer, stage manager, sound operator, costume designer, or stage hand. While there are a multitude of career opportunities in the arts, Theater majors also develop highly valuable skills sets that are advantageous to any profession.

AA-T – Theater Arts

About the Degree

The Associate in Arts for Theater for Transfer major is designed to provide knowledge, training, and practical experience in all aspects of theater arts. The curriculum provides the essential lower-division courses necessary for transfer to similar programs at four-year institutions, as well as assisting students towards employment in professional, academic and community theater. Upon completion, students can expect to be able to: apply the learned techniques of acting or technical theater in a public performance of various genres of theater, or other types of personal creative work; understand how

to develop and maintain a positive contribution the field of theater in academics, performance, or technical theater; and possess the skills necessary for textual interpretation for academic discourse, design, and/or performance studies.

Completion Requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or CA State University General Education – Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

ADT's also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is not an acceptable grade for courses in the major.

Career Opportunities

There are many careers available for an individual with a theater background: actor, director, playwright, dramaturg, designer, producer, theater manager, publicist, or agent. All of these career paths are available for students in both theater and film, making a theater degree an ideal education for creative students in California.

Program Outcomes

- Upon completion of the AA-T in Theater Arts, the student should be able to analyze the artistic elements in productions, looking at design, acting, and directorial choice.
- Upon completion of the AA-T in Theater Arts, the student should be able to apply the learned techniques of acting or technical theater in a public performance of various genres of theater, or other types of personal creative work.
- Upon completion of the AA-T in Theater Arts, the student should be able to possess the skills necessary for textual interpretation for academic discourse, design, and/or performance studies.
- Upon completion of the AA-T in Theater Arts, the student should be able to understand how to develop and maintain a positive contribution the field of theater in academics, performance, or technical theater.
- Upon completion of the AA-T in Theater Arts, the student should be able to understand the historical and cultural significance of theater through completion of projects in the technical theater courses and theater history class.

Required Core: (9 Units)

THEA 1A (Theory/Practice of Acting I)	3
THEA 10 (Introduction to Dramatic Arts).....	3
THEA 47A (Performance in Production: Introduction to Live Performance) or	
THEA 48A (Technical Theater in Production-Beginning)	3

List A: Select Three (9 Units)

Any Required Core course not already used 3
 THEA 1B (Theory/Practice of Acting II) 3
 THEA 50 (Stagecraft) 3
 THEA 50L (Introduction to Stage Lighting) 3
 THEA 51 (Introduction to Costume Design) 3

Total Units for the Major 18

Additional General Education and Elective Units 42

Total Units 60

See the Las Positas College California State University General Education-Breadth or the Intersegmental General Education Transfer Curriculum (for CSU) patterns for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

AA – Theater Arts

About the Degree

The Associate of Arts in Theater Arts is designed to provide knowledge, training, and practical experience in all aspects of theater arts. The curriculum provides the essential lower-division courses necessary for transfer to some similar programs at four-year institutions, as well as assisting students towards employment in professional, academic and community theater.

Career Opportunities

Career Opportunities for Theater majors may include: actor, director, playwright, dramaturg, literary manager, casting director, production manager, producer, artistic director, political advocate for the arts, teacher, lighting designer, lighting operator, scenic painter, stage/set designer, stage manager, sound operator, costume designer, or stage hand. While there are a multitude of career opportunities in the arts, Theater majors also develop highly valuable skills sets that are advantageous to any profession.

Program Outcomes

- Upon completion of the AA in Theater Arts, the student should be able to apply the learned techniques of acting or technical theater in a public performance of various genres of theater, or other types of personal creative work.
- Upon completion of the AA in Theater Arts, the student should be able to critically analyze the artistic elements in productions, looking at design, acting, directorial choices, as well as personal performance processes.
- Upon completion of the AA in Theater Arts, the student should be able to possess the skills necessary for textual interpretation for academic discourse, design, and/or performance studies.
- Upon completion of the AA in Theater Arts, the student should be able to understand how to develop and maintain a positive contribution the field of theater in academics, performance, or

technical theater.

- Upon completion of the AA in Theater Arts, the student should be able to understand the historical and cultural significance of theater through completion of projects in the technical theater courses and theater history class.

Required Core: (12 Units)

THEA 1A (Theory/Practice of Acting I) 3
 THEA 10 (Introduction to Dramatic Arts) 3
 THEA 47A (Performance in Production: Introduction to Live Performance) or
 THEA 48A (Technical Theater in Production - Beginning) 3
 THEA 50 (Stagecraft) 3

List A - Theater Arts Electives: Select Three Courses from One Concentration (9-10 Units)

Performance Concentration

THEA 1B (Theory/Practice of Acting II) 3
 THEA 3A (Beginning Improvisation) 3
 THEA 5 (Theater for Young Audiences) 3
 THEA 25 (Fundamentals of Stage Speech) 3
 THEA 31A (Drama Workshop - Beginning) 3
 THEA 39A (Musical Theater Workshop - Beginning) 4
 THEA 47A (Performance in Production: Introduction to Live Performance) 3

Technical Theater Concentration

THEA 14 (Bay Area Theatre) 3
 THEA 48B (Technical Theater in Production - Intermediate) 3
 THEA 50L (Introduction to Stage Lighting) 3
 THEA 51 (Introduction to Costume Design) 3
 THEA 52 (Introduction to Design) 3

List B - Related Discipline Electives: Select from Below (4 Units)

CMST 2 (Oral Interpretation of Literature) 3
 CMST 5 (Readers Theater) 3
 DANC 1 (Introduction to Dance) 1
 DANC 2A (Jazz Dance Beginning) 1
 DANC 3 (Ballet- Beginning) 1
 MSCM 33A (Introduction to Television Studio Operations) 3
 MUS 6 (Basic Music Skills) 2
 MUS 23A (Elementary Voice I) 1
 MUS 33 (Study of Voice) 1
 MUS 39 (Musical Theater Workshop) 2
 MUS 44 (Concert Choir) 1
 MUS 45 (Chamber Choir) 1
 MUS 46A (Beginning Jazz Choir) 1
 THEA 4 (American Cultures in Theater) 3
 THEA 11 (Stage to Screen) 3
 THEA 12 (Film As Art & Communication) 4
 THEA 53 (Script Analysis) 3

Total Units for the Major 25-26

Additional General Education and Elective Units 34-35

Total Units 60

See the Las Positas College General Education Pattern for the Associate of Arts Degree for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Technical Theater

About the Certificate

The Las Positas College Technical Theater Certificate is designed to prepare students for entry level occupations as a theater technician in educational, community, and resident theater venues. Technical theater technicians may work on set construction, carpentry, sound systems, lighting design, light board operation, stage lighting, scenery costumes, props, and various degrees of entry level management positions, such as hours management and stage management. This program is designed to prepare individuals who work in technical production areas with a range of skills, enabling them to select, adapt and transfer skills to different work situations throughout their career in technical theater. This program prepares students, through coursework and hands on experience, for work in technical theater. The certificate includes a wide range of topics designed to give students basic skills and knowledge to work behind the scenes in theater and other venues. This certificate can also serve as the first step in completing the Theater Associates Degree for transfer (AD-T) to a four year college or university, where students can complete a degree in a specialized or generalized field of theatrical study. Typical job opportunities include: lighting designer, lighting operator, scenic painter, stage/set designer, stage manager, sound operator, costume designer, or stage hand.

Career Opportunities

Typical job opportunities include: lighting designer, lighting operator, scenic painter, stage/set designer, stage manager, sound operator, costume designer, or stage hand. This program also lines up with many of the foundation courses needed for an Associate for Degree for Transfer (AD-T) in Theater.

Program Outcomes

- Upon completion of the Certificate of Achievement in Technical Theater, students should be able to read construction plans and construct common stage scenery such as flats, platform, and stairs.
- Upon completion of the Certificate of Achievement in Technical Theater, students should be able to hang, cable and focus stage lighting and be able to read lighting plots and related documents.
- Upon completion of the Certificate of Achievement in Technical Theater, students should be able to perform as a member of a show running crew in various capacities, such as stagehand, light or sound board operator, or wardrobe assistant.
- Upon completion of the Certificate of Achievement in Technical Theater, students should be able to analyze elements of a

theatrical design.

- Upon completion of the Certificate of Achievement in Technical Theater, students should be able to research, plot, and design costumes for use in production.
- Upon completion of the Certificate of Achievement in Technical Theater, students should be able to complete basic hand sewing tasks and read and execute a pattern for costume construction.

Required Core: (24 Units)

THEA 10 (Introduction to Dramatic Arts).....	3
THEA 14 (Bay Area Theater)	3
THEA 48A (Technical Theater in Production - Beginning)	3
THEA 48B (Technical Theater in Production - Intermediate)	3
THEA 48C (Technical Theater in Production - Advanced) or THEA 48D (Technical Theater in Production - Management).....	3
THEA 50 (Stagecraft)	3
THEA 50L (Introduction to Stage Lighting)	3
THEA 51 (Introduction to Costume Design)	3
Total Units	24

Theater Arts Courses (THEA)

THEA 1A	THEORY/PRACTICE OF ACTING I	3 UNITS
---------	--------------------------------	---------

This course prepares a student to apply basic acting theory to performance and develops the skills of interpretation of drama through acting. Special attention is paid to skills for performance: memorization, stage movement, vocal production, and interpretation of text. An introduction to the techniques and theories of acting, explored through improvisation, exercises and scene study. Students should be able to demonstrate the following skills: development of the physical and psychological resources for acting including relaxation, concentration, creativity, believability, and commitment. Strongly Recommended: ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; C-ID# THTR 151.

Degree Applicable, Credit Grading Option: GR

THEA 1B	THEORY/PRACTICE OF ACTING II	3 UNITS
---------	---------------------------------	---------

Continued exploration of the theory and practice of acting, focusing on more complex characterization and character analysis. Introduction to theatrical styles and period acting using monologues and scenes. Prerequisite: THEA 1A with a minimum grade of C or equivalent acting class or acting performance experience. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; C-ID# THTR 152.

Degree Applicable, Credit Grading Option: GR

THEA 3A	BEGINNING IMPROVISATION	3 UNITS
---------	-------------------------	---------

An entry level course designed to introduce to students to concepts of improvisation and creative dramatics. It will encourage students to "think out of the box", promoting creative problem solving within a supportive ensemble. Recommended for non-majors (Early Childhood education, Business, Speech/Communication majors especially encouraged) as well as Theatre: AA students. 54 hours lecture. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

THEA 3B INTERMEDIATE IMPROVISATION 3 UNITS

This course will teach students Long-Form Improvisation. The class will concentrate on finding style and improving skills through various in class, supportive, exercises. We will focus on accepting/supporting, creating honest and strong relationship, and developing complex and engaging circumstances. Prerequisite: THEA 3A with a minimum grade of C/P. 54 hours lecture. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

THEA 3C IMPROVISATION IN PERFORMANCE 3 UNITS

From Saturday Night Live to Flash Mobs - Improvisation is part of our culture. Students will get the opportunity to perform as well as teach improvisation techniques and creative dramatics in a supportive and fun atmosphere. The students will also have opportunities to attend and critique the work various local improvisation troupes. Prerequisite: THEA 3B with a minimum grade of C/P. 54 hours lecture. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

THEA 4 AMERICAN CULTURES IN THEATER 3 UNITS

The history, representation and contributions of various ethnic groups in American theater and the study of theater as an instrument for expressing and understanding cultural identity. The focus will be on at least three of the following cultural groups: African Americans, Asian Americans, European Americans, Latin Americans and Native Americans. Strongly Recommended: ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

Degree Applicable, Credit Grading Option: GR

THEA 5 THEATER FOR YOUNG AUDIENCES 3 UNITS

Introduction to the history, theory, and techniques of theater for young audiences. Creation, including possible props, puppets, masks, and costumes, and performance of a theatrical production to be performed for local K-12 students. All enrolled will be a part of the production and will learn aspects of touring a show including public relations, audio, and transportation. Casting is subject to audition. Strongly Recommended: THEA 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

THEA 10 INTRODUCTION TO DRAMATIC ARTS 3 UNITS

A survey of the elements of Theater event, its contribution to cultures and societies throughout history. Strongly Recommended: Eligibility for ENG 1A. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A; C-ID# THTR 111.

Degree Applicable, Credit Grading Option: GR

THEA 11 STAGE TO SCREEN 3 UNITS

Major plays which subsequently have been made into films. Analysis of each playscript augmented by a viewing and analysis of the film

adaptation. Major areas of concentration may vary from semester to semester. 45 hours lecture, 27 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

Degree Applicable, Credit Grading Option: GR

THEA 12 FILM AS ART & COMMUNICATION 4 UNITS

Introduction to film as an art form and means of communication. Film history, elements of the filmmaking process, major film traditions and genres. 72 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

Degree Applicable, Credit Grading Option: GR

THEA 14 BAY AREA THEATRE 3 UNITS

Appreciation of theatrical performances through reading, evaluating and attending live productions. Specific content is determined by currently available theatrical productions. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

Degree Applicable, Credit Grading Option: OP

THEA 25 FUNDAMENTALS OF STAGE SPEECH 3 UNITS

Theory and practice of speech improvement for acting with emphasis on development of the voice, articulation, and pronunciation for theater production. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1.

Degree Applicable, Credit Grading Option: GR

THEA 29A INDEPENDENT STUDY, THEATER 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

THEA 29S INDEPENDENT STUDY, STAGECRAFT 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

THEA 31A DRAMA WORKSHOP - BEGINNING 3 UNITS

Participation as an actor in experimental workshop plays, original student scripts, and other projects, possibly leading to scheduled performances. Casting subject to in class audition. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 31B DRAMA WORKSHOP - INTERMEDIATE 3 UNITS

Participation as an experienced actor in one act plays, original student scripts, or other projects, leading to scheduled performances. Casting subject to audition. Prerequisite: THEA 31A with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 31C DRAMA WORKSHOP - TECHNICAL THEATER 3 UNITS

Participation as designer or stage crew in one act plays, original student scripts, or other projects developed in collaboration with students in Theater 31 A and B. Prerequisite: THEA 50 with a minimum grade of C (May be taken concurrently). Strongly Recommended: THEA 48A with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 31D DRAMA WORKSHOP - DIRECTING 3 UNITS

Participation as a director or assistant director of one act plays, original student scripts, or other projects, leading to scheduled performances. Prerequisite: THEA 1A with a minimum grade of C or THEA 10 with a minimum grade of B. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 39A MUSICAL THEATER WORKSHOP - BEGINNING 4 UNITS

Training in performance skills for the musical theater, with emphasis on acting, stage movement and vocal production. Solo, duet and ensemble work, possibly leading to a culminating public performance. 54 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 39B MUSICAL THEATER WORKSHOP - INTERMEDIATE 4 UNITS

Training in performance skills for the musical theater, with emphasis on acting, stage movement and vocal production. Solo, duet and ensemble work, possibly leading to a culminating public performance. Prerequisite: THEA 39A with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 39C MUSICAL THEATER WORKSHOP - ADVANCED 4 UNITS

Advanced training in performance skills for the musical theater, with emphasis on acting, stage movement and vocal production. Study includes auditioning techniques and critical analyses of musical theater performances. Culminating public performance required. Prerequisite: THEA 39B with a minimum grade of C. 54 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 41A PASSPORT TO THEATER-NON MUSICAL 1 UNIT

Supervised participation in scheduled productions of the theater department as an actor or backstage worker. Participation for NON Musical. Prerequisite THEA 47D with a minimum grade of C or THEA 48D with a minimum grade of C or Instructor Approval. 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: P/NP

THEA 41B ADVANCED PASSPORT TO THEATER-MUSICAL 1 UNIT

Advanced level participation in scheduled Musical performances

of the theater department as a performer, stage manager, assistant director/designer or running crew member. Prerequisite THEA 57C with a minimum grade of C or THEA 57D with a minimum grade of C or Instructor Approval. 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: P/NP

THEA 47A PERFORMANCE IN PRODUCTION: INTRODUCTION TO LIVE PERFORMANCE 3 UNITS

This course provides instruction and supervised participation in theatre rehearsal and performance. On stage participation in cast of scheduled main stage production. Enrollment by Audition only for the duration of the production. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 47B PERFORMANCE IN PRODUCTION: BEGINNING 3 UNITS

As a continuation of THEA 47A, students will participate in the cast of a scheduled main stage production. Emphasis will be on character development, objectives, and actions. Prerequisite: THEA 47A with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 47C PERFORMANCE IN PRODUCTION: INTERMEDIATE 3 UNITS

This course is a continuation of THEA 47B. Student will participate in the cast of a scheduled main stage production. This course will focus on rehearsal technique, personal creative exploration, and ensemble building and motivated performance response. Prerequisite: THEA 47B with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 47D PERFORMANCE IN PRODUCTION: ADVANCED 3 UNITS

As a continuation of THEA 47C, students will continue to develop onstage with participation in the cast of the scheduled main stage production. This course will emphasize complexity and polish in performance, personal and creative development as a theater professional, and outreach and publicity obligations. Prerequisite: THEA 47C with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 48A TECHNICAL THEATER IN PRODUCTION - BEGINNING 3 UNITS

Students will gain practical experience in the application of production responsibilities in any of the following: stage management, house management, construction, scenery, properties, costume, lighting, sound, and running crews. Enrollment is for the duration of the semester. Strongly Recommended: THEA 50 with a minimum grade of C. 18 hours lecture, 108 hours laboratory. Transfer: CSU, UC; C-ID# THTR 192.

Degree Applicable, Credit Grading Option: OP

THEA 48B TECHNICAL THEATER IN PRODUCTION - INTERMEDIATE 3 UNITS

Participation in scheduled productions and events as crew members and/or construction of said productions technical elements, including lighting and sound implementation. Enrollment is for the duration of the semester. Students may participate in the design and board operation of multiple productions or events per semester. Strongly Recommended: THEA 50 with a minimum grade of C and THEA 48A. 18 hours lecture, 108 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

THEA 48C TECHNICAL THEATER IN PRODUCTION - ADVANCED 3 UNITS

Participation in scheduled productions as designer and/or assistant designers of said productions technical elements, including scenic, costume, lighting and sound design. Enrollment is for the duration of the semester. Students may participate in more than one production per semester, as needed. Prerequisite: THEA 48A with a minimum grade of C (May be taken concurrently), THEA 50L with a minimum grade of C or THEA 51 with a minimum grade of C or THEA 52 with a minimum grade of C. Strongly Recommended: MATH 107 with a minimum grade of C or MATH 107B with a minimum grade of C. 18 hours lecture, 108 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

THEA 48D TECHNICAL THEATER IN PRODUCTION-MANAGEMENT 3 UNITS

Participation in scheduled productions as manager of productions technical elements, including stage management, house management, and publicity management. Enrollment is for the duration of the semester. Students may participate in more than one production or event per semester. Prerequisite: THEA 48A with a minimum grade of C (May be taken concurrently). 18 hours lecture, 108 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

THEA 50 STAGECRAFT 3 UNITS

An introduction to technical theatre and the creation of scenic elements. Includes basic concepts of design, painting techniques, set construction, set movement, prop construction, backstage organization, and career possibilities. May include stage management, lighting, and/or sound techniques. Lecture, reading, projects, and practical experience. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC; C-ID# THTR 171.

Degree Applicable, Credit Grading Option: GR

THEA 50L INTRODUCTION TO STAGE LIGHTING 3 UNITS

This course involves the study and execution of stage lighting with emphasis on equipment, control, color and their relationship to design. Introduction to stage lighting design. Physics of light, color, electricity; components of basic lighting technology; comprehensive overview of the art of theater lighting design. Strongly Recommended: THEA 50 with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC; C-ID# THTR 173.

Degree Applicable, Credit Grading Option: OP

THEA 51 INTRODUCTION TO COSTUME DESIGN 3 UNITS

Students will study costume history, design, and basic construction techniques as an introduction to basic theatrical costuming. Fabrics and their various uses will be investigated. Design and fabrication of costumes for production; components of basic sewing and costume construction; comprehensive overview of the history of fashion and costume, color, manufacturing techniques; Introduction to basic makeup design; makeup application techniques and design; special effects makeup techniques. Strongly Recommended: THEA 50 with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC; CSU GE: C1; C-ID# THTR 174.

Degree Applicable, Credit Grading Option: GR

THEA 52 INTRODUCTION TO DESIGN 3 UNITS

Students will be offered a survey of the design and history of scenery, lighting, sound, costumes, makeup, properties, theatrical equipment and construction techniques through demonstration, and laboratory experience. Information is applicable to all formal theatrical applications. 45 hours lecture, 27 hours laboratory. Transfer: CSU, UC; C-ID# THTR 172.

Degree Applicable, Credit Grading Option: OP

THEA 53 SCRIPT ANALYSIS 3 UNITS

Develops critical thinking, analysis, and writing skills as they apply to the exploration of the principles, theories and techniques of play script analysis for theatrical production. Class content includes the historical and cultural context of various kinds of script; genre and form; narrative and plot analysis; linguistic analysis; interpreting stage directions; and identification of main themes. Emphasis on effective written communication in literature. Research required. Prerequisite: ENG 1A with a minimum grade of C. 54 hours lecture. AA GE. Transfer: CSU, UC; C-ID# THTR 114.

Degree Applicable, Credit Grading Option: OP

THEA 57A PERFORMANCE IN PRODUCTION - INTRO TO MUSICAL THEATER 3 UNITS

This course provides instruction and supervised participation in theatre rehearsal and performance. On stage participation in cast of scheduled main stage production. Enrollment is for the duration of the production. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 57B PERFORMANCE IN PRODUCTION - BEGINNING MUSICAL THEATER 3 UNITS

As a continuation of THEA 57A, students will participate in the cast of a scheduled main stage musical production. Emphasis will be on character development, objectives, and actions. Prerequisite: THEA 57A with a minimum grade of C (May be taken concurrently). 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 57C PERFORMANCE IN PRODUCTION - INTERMEDIATE MUSICAL THEATER 3 UNITS

This course is a continuation of THEA 57B. Student will participate in the cast of a scheduled main stage musical production. This course will focus on rehearsal technique, personal creative exploration, and ensemble building and motivated performance response. Prerequisite: THEA 57B with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 57D PERFORMANCE IN PRODUCTION - ADVANCED MUSICAL THEATER 3 UNITS

As a continuation of THEA 57C, students will continue to develop onstage with participation in the cast of the scheduled main stage production. This course will emphasize complexity and polish in performance, personal and creative development as a theater professional, and development as a vocal musician. Prerequisite: THEA 57C with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

TUTORING

The Las Positas College Tutorial program offers all students free tutoring. Tutoring is provided by trained LPC tutors who are dedicated to students' educational success. All tutors must take the Tutoring Theory and Practice series of classes.

- TUTOR 17A is taken at the start of the tutorial experience and teaches management of tutorial sessions including the ethics and communication skills.
- TUTOR 17B must be taken by second semester tutors and focuses on metacognition and questioning skills.
- TUTOR 17C is designed to encourage leadership among the advanced tutors.

Motivated students who have passed classes with an "A" or "B", enjoy working with others, and have received instructor recommendations are encouraged to interview to be tutors and take this series of classes. Only those hired to be tutors at LPC may register for these classes.

Tutoring Courses (TUTR)

TUTR 17A TUTORING THEORY AND PRACTICE I 0.5 UNITS

Training for college tutors to acquire specific skills and techniques for tutoring in academic and vocational subject areas, and basic skills. The course will provide a conceptual framework of tutoring to guide students in leading effective tutoring sessions. 9 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

TUTR 17B TUTORING THEORY AND PRACTICE II 0.5 UNITS

Intermediate training class for college tutors. Tutors will acquire specific skills and techniques for tutoring in academic subjects, vocational subjects and basic skills. Required course for second semester tutors participating in the Las Positas College Tutorial Program. Prerequisite: TUTR 17A with a minimum grade of C. 9 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

TUTR 17C TUTORING THEORY AND PRACTICE III 0.5 UNITS

Advanced training for college tutors to obtain skills and techniques in academic and vocational subject areas and basic skills remediation. Emphasis upon leading group tutoring sessions and mentoring new tutors. Required course for third semester tutors participating in the Las Positas College Tutorial Program. Prerequisite: TUTR 17B with a minimum grade of C. 9 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

UNIVERSITY TRANSFER

Programs of Study

Certificates of Achievement:

- CSU General Education Breadth
- IGETC (Intersegmental General Education Curriculum)

For more information, see a counselor.

Certificate of Achievement CSU General Education Breadth

About the Certificate

Students transferring to the California State University have the opportunity to complete their lower division general education requirements at Las Positas College. This pattern of general education requires a minimum of 39 semester units to be completed. The Certificate of Achievement in University Transfer - CSU General Education Breadth will officially acknowledge a significant educational achievement the student has completed at Las Positas College. Counselor assistance is advised.

Program Outcomes

- Upon completion of the Certificate of Achievement CSU General Education Breadth, students will be able to critically apply ethical standards to identify problems and create solutions.
- Upon completion of the Certificate of Achievement in CSU General Education Breadth, students will be able to recognize ethical principles and behave responsibly.

- Upon completion of the Certificate of Achievement in CSU General Education Breadth, students will be able to understand and appreciate the diversity of the human experience.
- Upon completion of the Certificate of Achievement in CSU General Education Breadth, students will be able to read, write, speak, and listen to communicate effectively.
- Upon completion of the Certificate of Achievement in CSU General Education Breadth, students will be able to use and criticize quantitative arguments and understand experimental methodology, the testing of hypotheses, and the power of systematic questioning.
- Upon completion of the Certificate of Achievement in CSU General Education Breadth, students will be able to analyze and appreciate works of philosophical, historical, literary, and cultural importance.
- Upon completion of the Certificate of Achievement in CSU General Education Breadth, students will be able to identify strategies for continual sociological, psychological, and biological well-being.

Area A: English Language Communication and Critical Thinking (9-10 Units)

Select at least 1 course from A1, A2 and A3, minimum 9 units required

A1: Oral Communication

CMST 1 (Fundamentals of Public Speaking)	3
CMST 10 (Interpersonal Communication).....	3
CMST 46 (Argumentation and Debate)	3

A2: Written Communication

ENG 1A (Critical Reading and Composition)	3
---	---

A3: Critical Thinking

CMST 46 (Argumentation and Debate)	3
ENG 4 (Critical Thinking and Writing about Literature)	3
ENG 7 (Critical Thinking and Writing Across Disciplines)	3
PHIL 6 (Introduction to Logic).....	3
PHIL 8 (Logic and Argumentation).....	4

Area B: Scientific Inquiry and Quantitative Reasoning (9-15 Units)

Select at least 1 course from each Group listed below, minimum 9 units required

B1: Physical Science

ASTR 10 (Introduction to Astronomy: The Solar System)	3
ASTR 20 (Introduction to Astronomy: Stars and the Universe).....	3
CHEM 1A* (General College Chemistry I)	5
CHEM 1B* (General College Chemistry II)	5
CHEM 12A* (Organic Chemistry I).....	5
CHEM 12B* (Organic Chemistry II)	5
CHEM 30A* (Intro and Applied Chemistry I)	4
CHEM 30B* (Intro and Applied Chemistry II).....	4
CHEM 31* (Intro to College Chemistry).....	4
EVST 5 (Energy and Sustainability)	3

GEOG 1 (Introduction to Physical Geography).....	3
GEOG 8 (Introduction to Atmospheric Science)	3
GEOG 12 (Geography of California)	3
GEOL 1 (Physical Geology)	3
GEOL 3 (Historical Geology)	3
GEOL 5 (Environmental Geology: Hazards & Disasters).....	3
GEOL 7 (Environmental Geology: Resources, Use Impact & Pollution).....	3
GEOL 12 (Introduction to Oceanography)	3
PHYS 1A* (General Physics I)	5
PHYS 1B* (General Physics II).....	5
PHYS 1C* (General Physics III)	5
PHYS 1D* (General Physics IV)	3
PHYS 2A* (Introduction to Physics I).....	4
PHYS 2B* (Introduction to Physics II)	4
PHYS 10 (Descriptive Physics)	3

B2: Life Science

ANTR 1 (Biological Anthropology).....	3
ANTR 13 (Introduction to Forensic Anthropology)	3
BIO 1A* (General Botany).....	5
BIO 1B* (General Zoology).....	5
BIO 1C* (Cell and Molecular Biology)	5
BIO 7A* (Human Anatomy).....	5
BIO 7B* (Human Physiology).....	5
BIO 7C* (Microbiology).....	5
BIO 10* (Introduction to the Science of Biology)	4
BIO 20 (Contemporary Human Biology).....	3
BIO 30* (Introduction to College Biology)	4
BIO 40 (Humans and the Environment).....	3
BIO 50* (Anatomy and Physiology)	4
BIO 60* (Marine Biology).....	4
BIO 70* (Field Biology).....	3
PSYC 4 (Brain, Mind, and Behavior)	3

B3: Laboratory Activity

Complete at least 1 course from below or from above marked with an *

ANTR 1L (Biological Anthropology Lab).....	1
ANTR 2L (Archaeology Field Lab)	1
ASTR 30L (Introduction to Astronomy Lab)	1
GEOG 1L (Introduction to Physical Geography Laboratory)	1
GEOL 1L (Physical Geology Laboratory).....	1
GEOL 3L (Historical Geology Laboratory).....	1
GEOL 12L (Intro to Oceanography Lab).....	1
PHYS 10L (Descriptive Physics Lab).....	1

B4: Mathematics/Quantitative Reasoning

Select 1 course; must be completed with a grade of C or better

MATH 1 (Calculus I).....	5
MATH 2 (Calculus II)	5
MATH 3 (Multivariable Calculus).....	5
MATH 5 (Ordinary Differential Equations).....	3.5
MATH 7 (Elementary Linear Algebra)	3.5
MATH 10 (Discrete Mathematical Structures).....	4
MATH 30 (College Algebra for STEM)	4
MATH 33 (Finite Mathematics)	4

MATH 34 (Calculus for Business and Social Sciences).....	5
MATH 39 (Trigonometry).....	4
MATH 40 (Statistics and Probability).....	4
MATH 47 (Mathematics for Liberal Arts).....	3
CS 17 (Discrete Mathematical Structures).....	4

Area C: Arts and Humanities (9-13 Units)

Select 3 courses from below, at least 1 course from Arts and at least 1 course from Humanities

C1: Arts

ARHS 1 (Introduction to Art History).....	3
ARHS 4 (Western Art History - Ancient to Medieval).....	3
ARHS 5 (Western Art History - Renaissance to Contemporary).....	3
ARHS 7 (Modern Art History).....	3
ARTS 2A (Introduction to Drawing).....	3
ARTS 3A (Figure and Composition I).....	3
ARTS 10 (Design and Materials).....	3
MUS 1 (Introduction to Music).....	3
MUS 3 (World Music).....	3
MUS 4 (Jazz in American Culture).....	3
MUS 5 (American Cultures in Music).....	3
MUS 6 (Basic Music Skills).....	2
MUS 8A (Music Theory and Musicianship 1).....	4
MUS 8B (Music Theory and Musicianship 2).....	4
MUS 13 (History of Rock & Roll).....	3
MUS 34 (Music in Film).....	3
PHTO 67 (History of Photography).....	3
THEA 1A (Theory/Practice of Acting I).....	3
THEA 4 (American Cultures in Theater).....	3
THEA 10 (Introduction to Dramatic Arts).....	3
THEA 11 (Stage to Screen).....	3
THEA 12 (Film As Art & Communication).....	4
THEA 14 (Bay Area Theatre).....	3
THEA 25 (Fundamentals of Stage Speech).....	3
THEA 51 (Introduction to Costume Design).....	3
WLDT 71 (Welding for the Arts).....	3

C2: Humanities

AJ 88 (The Police and Hollywood).....	3
ASL 2A (American Sign Language III).....	3
ASL 2B (American Sign Language IV).....	3
CMST 2 (Oral Interpretation of Literature).....	3
CMST 5 (Readers Theater).....	3
ECE 61 (Literature for the Young Child).....	3
ENG 4 (Critical Thinking and Writing about Literature).....	3
ENG 7 (Critical Thinking and Writing Across Disciplines).....	3
ENG 11 (Introduction to Creative Writing).....	3
ENG 12A (Craft of Writing Fiction).....	3
ENG 12B (Craft of Writing Fiction: Intermediate).....	3
ENG 13A (Introduction To The Craft of Writing - Poetry).....	3
ENG 20 (Studies in Shakespeare).....	3
ENG 32 (U.S. Women's Literature).....	3
ENG 35 (Modern American Literature).....	3
ENG 41 (World Literature: 17th Century to the Present).....	3
ENG 44 (Literature of the American West).....	3
ENG 45 (Studies in Fiction).....	3
FREN 2A (Intermediate French I).....	4
FREN 2B (Intermediate French II).....	4

HIST 1 (Western Civilization to 1600).....	3
HIST 2 (Western Civilization Since 1600).....	3
HIST 7 (US History Through Reconstruction).....	3
HIST 8 (US History Post-Reconstruction).....	3
HIST 14 (History and American Cultures of California).....	3
HIST 25 (American Indian History).....	3
HIST 32 (U.S. Women's History).....	3
HUMN 3 (Introduction to Humanities).....	3
HUMN 4 (Global Cinemas).....	4
HUMN 6 (Nature and Culture).....	3
HUMN 7 (Contemporary Humanities).....	3
HUMN 10 (American Arts and Ideas).....	3
HUMN 28 (World Mythology).....	3
HUMN 44 (Narrative Film and Film Music).....	3
MUS 34 (Music in Film).....	3
PHIL 1 (God, Nature, Human Nature).....	3
PHIL 1H (Honors Philosophy 1: God, Nature, Human Nature).....	3
PHIL 2 (Ethics).....	3
PHIL 2H (Honors Philosophy 2: Ethics).....	3
PHIL 3 (Aesthetics).....	3
PHIL 4 (Intro to Philosophy: Knowledge).....	3
PHIL 5 (Feminist Philosophy).....	3
RELS 1 (Religions of the World).....	3
RELS 2 (Bible: History and Literature).....	3
RELS 3 (Intro To Women's Spirituality).....	3
RELS 11 (The Nature of Islam).....	3
SPAN 2A (Intermediate Spanish I).....	4
SPAN 2B (Intermediate Spanish II).....	4
SPAN 22 (Spanish for Spanish Speakers II).....	5

Area D: Social Sciences (9-12 Units)

Select 3 courses from below, from at least 2 different disciplines

AJ 50 (Intro to Admin of Justice).....	3
AJ 56 (Fundamentals of Crime and Delinquency).....	3
AJ 60 (Criminal Law).....	3
AJ 66 (Juvenile Procedures).....	3
AJ 88 (The Police and Hollywood).....	3
ANTR 1 (Biological Anthropology).....	3
ANTR 2 (Introduction to Archaeology).....	3
ANTR 3 (Cultural Anthropology).....	3
ANTR 4 (Language and Culture).....	3
ANTR 5 (Cultures of the U.S. in Global Perspective).....	3
ANTR 6 (Anthropology of Sex and Gender).....	3
ANTR 7 (Native American Cultures of North America).....	3
ANTR 8 (World Prehistory In Archaeological Perspective).....	3
ANTR 12 (Magic/Religion/Witchcraft/Healing).....	3
BUSN 30 (Business Ethics and Society).....	3
CMST 4 (Introduction to Communication Studies).....	3
CMST 10 (Interpersonal Communication).....	3
CMST 11 (Intercultural Communication).....	3
ECE 15 (Abnormal Child Psychology).....	3
ECE 56 (Child Growth and Development).....	3
ECE 62 (Child, Family and Community).....	3
ECE 79 (Teaching in a Diverse Society).....	3
ECON 1 (Principles of Microeconomics).....	3
ECON 2 (Principles of Macroeconomics).....	3
ECON 5 (Economic History of the United States).....	3
ECON 10 (General Economics).....	3

ENG 44 (Literature of the American West)	3	DANC 3A (Ballet Fundamentals/Beginning)	1
GEOG 2 (Cultural Geography).....	3	DANC 5A (Dance Composition 5A)	1.5
GEOG 5 (World Regional Geography)	3	DANC 5B (Dance Composition 5B).....	1.5
GEOG 12 (Geography of California).....	3	DANC 6A (Dance Production-Choreography A)	2
GEOG 15 (Introduction to GIS).....	3	DANC 6B (Dance Production-Choreography B).....	2-3
GS 1 (Introduction to Global Studies)	3	ECE 54 (Child Health, Safety and Nutrition).....	3
GS 2 (Global Issues)	3	ECE 56 (Child Growth and Development)	3
HLTH 3 (Women's Health)	3	FST FSC1 (Fire Service Conditioning & Physical Agility Development 1).....	1
HLTH 7 (Introduction to Public Health)	3	HLTH 1 (Introduction to Personal Health)	3
HLTH 11 (Health and Social Justice)	3	HLTH 3 (Women's Health)	3
HIST 1 (Western Civilization to 1600).....	3	KIN 22A (Science of Soccer 1)	3
HIST 2 (Western Civilization Since 1600).....	3	KIN 24 (Sport Psychology)	3
HIST 7 (US History Through Reconstruction).....	3	KIN 26A (Coaching Youth Soccer)	3
HIST 8 (US History Post-Reconstruction).....	3	KIN 30 (Introduction to Kinesiology)	3
HIST 14 (History and American Cultures of California)	3	KIN 31A (Pre-Season Intercollegiate Men's Basketball).....	1-2
HIST 25 (American Indian History).....	3	KIN 31B (Fall Intercollegiate Men's Basketball)	1.5
HIST 28 (History of American West)	3	KIN 31C (Spring Intercollegiate Men's Basketball)	1.5
HIST 32 (U.S. Women's History)	3	KIN 31D (Off Season Intercollegiate Men's Basketball).....	0.5-2
MKTG 50 (Introduction to Marketing)	3	KIN 38A (Pre-Season Intercollegiate Men's Soccer).....	1-2
MSCM 5 (Introduction to Mass Communications).....	3	KIN 38B (Intercollegiate Men's Soccer)	3
MSCM 31 (Introduction to Media)	3	KIN 38C (Post Season Intercollegiate Men's Soccer)	1-2
POLI 7 (Introduction to American Government)	4	KIN 41A (Pre-Season Intercollegiate Women's Basketball).....	1-2
POLI 12 (Introduction to California State and Local Government)	3	KIN 41B (Fall Intercollegiate Basketball - Women)	1.5
POLI 20 (Comparative Government).....	3	KIN 41C (Spring Intercollegiate Basketball - Women)	1.5
POLI 25 (Introduction to Political Theory).....	3	KIN 41D (Off Season Intercollegiate Women's Basketball)	1-2
POLI 30 (International Relations).....	3	KIN 48A (Pre-Season Intercollegiate Women's Soccer).....	1-2
PSYC 1 (General Psychology).....	3	KIN 48B (Intercollegiate Athletics: Women's Soccer)	3
PSYC 3 (Introduction to Social Psychology)	3	KIN 48C (Off Season Intercollegiate Women's Soccer).....	1-2
PSYC 4 (Brain, Mind, and Behavior)	3	KIN 50 (Intercollegiate Swimming & Diving)	3
PSYC 6 (Abnormal Psychology)	3	KIN 51 (Pre-Season Training - Swimming & Diving).....	1-2
PSYC 12 (Life-Span Psychology).....	3	KIN 60 (Intercollegiate Water Polo -- Men's).....	3
PSYC 13 (Psychology of Women).....	3	KIN 61 (Water Polo Off Season Training)	0.5-2
PSYC 15 (Abnormal Child Psychology)	3	KIN 65 (Intercollegiate Water Polo -- Women's)	3
PSYC 25 (Research Methods).....	4	KIN AAE (Adapted Aerobic Exercise).....	0.5-2
PSYC 27 (Introduction to Cognitive Science)	3	KIN AB (Aerobic Fitness).....	0.5-2
PCN 3 (Theories And Concepts Of Counseling: An Introduction) ..	3	KIN AFG (Aerobic Fitness Gym).....	1-2
PCN 13 (Multicultural Issues in Contemporary America).....	3	KIN AIE (Adapted Individualized Exercise)	1-2
SOC 1 (Principles of Sociology)	3	KIN APA (Adapted Physical Activities).....	0.5-2
SOC 3 (Cultural and Racial Minorities)	3	KIN AQA (Aqua Aerobics)	1-2
SOC 4 (Marriage and Family Relations)	3	KIN AWT (Adapted Weight Training)	1-2
SOC 5 (Introduction to Global Studies)	3	KIN BC1 (Boot Camp for Flexibility & Core Development)	1-2
SOC 6 (Social Problems)	3	KIN BC2 (Boot Camp for Aerobic Conditioning).....	1-2
SOC 11 (Sociology of Gender)	3	KIN BC3 (Boot Camp for Power & Strength Training).....	1-2
SOC 12 (Popular Culture)	3	KIN BD1 (Badminton 1)	0.5-2
SOC 13 (Research Methods).....	4	KIN BD2 (Badminton 2)	0.5-2
WMST 1 (Introduction to Women's Studies)	3	KIN BD3 (Badminton 3)	0.5-2
WMST 2 (Global Perspective of Women)	3	KIN BK1 (Basketball 1)	1-2
		KIN BK2 (Basketball 2).....	1-2
		KIN BL1 (Bowling 1).....	1-2
		KIN BSF1 (Body Sculpting for Fitness)	1-2
		KIN BX1 (Box Aerobics 1)	0.5-2
		KIN BX2 (Box Aerobics 2).....	1-2
		KIN CR1 (Cricket 1).....	1
		KIN CR2 (Cricket 2)	1
		KIN CYCL1 (Cycling Conditioning 1).....	1-2
		KIN CYCL2 (Cycling 2)	0.5-2
		KIN DBS (Dance Aerobics/Body Sculpting)	1-2
		KIN DV1 (Springboard Diving)	1-2
		KIN ETD1 (Eskrima - Tenio DeCuerdas 1)	1-2

Area E: Lifelong Learning and Self Development (3 Units)

Select from below. Veterans with DD214 honorable discharge receive waiver for this area and 3 units toward CSU transfer

BIO 55 (Orientation to Health Care)	2
CMST 3 (Group Communication)	3
CMST 10 (Interpersonal Communication).....	3
CMST 11 (Intercultural Communication).....	3
DANC 2A (Jazz Dance Fundamentals/Beginning).....	1
DANC 2B (Jazz Dance Beginning/Intermediate)	1

KIN ETD2 (Eskrima - Tenio DeCuerdas 2).....	1-2	KIN YO4 (Yoga 4).....	0.5-2
KIN ETD3 (Eskrima - Tenio DeCuerdas 3).....	1-2	KIN ZUM1 (Zumba Fitness Workout 1).....	1-2
KIN ETD4 (Eskrima - Tenio DeCuerdas 4).....	1-2	NUTR 1 (Nutrition).....	3
KIN FL1 (Flag Football 1).....	1-2	PSYC 10 (Psychology of Human Sexuality).....	3
KIN FL2 (Flag Football 2).....	1-2	PSYC 12 (Life-Span Psychology).....	3
KIN FL3 (Flag Football 3).....	1-2	PCN 10 (Career and Educational Planning).....	2
KIN FNE1 (Fencing - Epee 1).....	1-2	PCN 18 (University Transfer Planning).....	0.5-1
KIN FNF1 (Fencing - Foil 1).....	1-2	PCN 30 (Student Success and the College Experience).....	3
KIN FW1 (Fitness Walking 1).....	1-2	SOC 4 (Marriage and Family Relations).....	3
KIN FW2 (Fitness Walking 2).....	1-2	SOC 7 (Sociology of Sexuality).....	3
KIN FW3 (Fitness Walking 3).....	1-2		
KIN GBW (Guts and Butts Workout).....	1-2		
KIN GF1 (Golf 1).....	1-2		
KIN GF2 (Golf 2).....	1-2		
KIN GF3 (Golf 3).....	1-2		
KIN HHA (Hip Hop Aerobics).....	1-2		
KIN JDR1 (Jujutsu - Danzan Ryu 1).....	1-2		
KIN JDR2 (Jujutsu - Danzan Ryu 2).....	1-2		
KIN JDR3 (Jujutsu - Danzan Ryu 3).....	1-2		
KIN JDR4 (Jujutsu - Danzan Ryu 4).....	1-2		
KIN JW (Jog/Walk).....	1-2		
KIN LAX1 (Lacrosse).....	1-2		
KIN LG (Lifeguarding).....	1.5		
KIN PF (Personal Fitness).....	1		
KIN PL1 (Pilates 1).....	0.5-2		
KIN PL2 (Pilates 2).....	1-2		
KIN SD1 (Salsa Dance 1).....	1-2		
KIN SI1 (Soccer - Indoor 1).....	1-2		
KIN SO1 (Soccer - Outdoor 1).....	1-2		
KIN SO2 (Soccer - Outdoor 2).....	1-2		
KIN SWF1 (Swimming for Fitness 1).....	1-2		
KIN SWF2 (Swimming for Fitness 2).....	0.5-2		
KIN SWF3 (Swimming for Fitness 3).....	1-2		
KIN SWF4 (Swimming for Fitness 4).....	1-2		
KIN SW1 (Swimming 1).....	1-2		
KIN SW2 (Swimming 2).....	1-2		
KIN SW3 (Swimming 3).....	0.5-2		
KIN SW4 (Swimming 4).....	1-2		
KIN TK1 (Tae Kwon Do 1).....	0.5-2		
KIN TK2 (Tae Kwon Do 2).....	1-2		
KIN TK3 (Tae Kwon Do 3).....	1-2		
KIN TN1 (Introductory Tennis).....	1-2		
KIN UF1 (Ultimate Frisbee 1).....	0.5-2		
KIN UF2 (Ultimate Frisbee 2).....	1-2		
KIN UF3 (Ultimate Frisbee 3).....	1-2		
KIN UF4 (Ultimate Frisbee 4).....	1-2		
KIN VB1 (Volleyball Beginning).....	1-2		
KIN VB2 (Volleyball Intermediate).....	1-2		
KIN VB3 (Volleyball Advanced).....	1-2		
KIN WP1 (Water Polo 1).....	1-2		
KIN WP2 (Water Polo 2).....	1-2		
KIN WP3 (Water Polo 3).....	1-2		
KIN WT1 (Weight Training 1).....	1-2		
KIN WT2 (Weight Training 2).....	1-2		
KIN WTW1 (Women's Weight Training One).....	1-2		
KIN WTW2 (Women's Circuit Training).....	1-2		
KIN XT1 (X-Training).....	1-2		
KIN YO1 (Yoga 1).....	0.5-2		
KIN YO2 (Yoga 2).....	1-2		
KIN YO3 (Yoga 3).....	1-2		

US History, Constitution, and American Ideals (0-6 Units)

Complete 1 of the groups below

Completion of the United States History, Constitution, and American Ideals Requirement is required for graduation from any CSU Campus. All CSUs will allow up to 6 of the units taken to meet this requirement to be credited toward satisfying the General Education Breadth Requirements in Area C2 and/or D as approved above. This area is not required to satisfy GE completion.

Group 1

HIST 7 (US History Through Reconstruction).....	3
HIST 8 (US History Post-Reconstruction).....	3

Group 2

POLI 7 (Introduction to American Government).....	4
and at least one of the following:	
HIST 7 (US History Through Reconstruction).....	3
HIST 8 (US History Post-Reconstruction).....	3
HIST 25 (American Indian History).....	3
HIST 32 (U.S. Women's History).....	3

Total Units 39-59

Earning this Certificate of Achievement will not replace the “CSU GE Certification” document. The “Certification of CSU General Education Breadth” is a separate process. The student must request CSU GE Certification in the Admissions and Records Office after admission to the transfer institution.

Certificate of Achievement IGETC (Intersegmental General Education Curriculum)

About the Certificate

Students transferring to University of California or California State University have the opportunity to complete their lower division general education requirements at Las Positas College. This pattern of general education requires a minimum of 34 semester units to be completed. The Certificate of Achievement in University Transfer - IGETC will officially acknowledge a significant educational achievement the student has completed at Las Positas College. Counselor assistance is advised.

Program Outcomes

- Upon completion of the Certificate of Achievement in IGETC (Intersegmental General Education Curriculum), students will be able to understand and appreciate the diversity of the human experience.
- Upon completion of the Certificate of Achievement in IGETC (Intersegmental General Education Curriculum), students will be able to read, write, speak, and listen to communicate effectively.
- Upon completion of the Certificate of Achievement in IGETC (Intersegmental General Education Curriculum), students will be able to recognize ethical principles and behave responsibly.
- Upon completion of the Certificate of Achievement in IGETC (Intersegmental General Education Curriculum), students will be able to use and criticize quantitative arguments.
- Upon completion of the Certificate of Achievement in IGETC (Intersegmental General Education Curriculum), students will be able to analyze and appreciate works of philosophical, historical, literary, and cultural importance.
- Upon completion of the Certificate of Achievement in IGETC (Intersegmental General Education Curriculum), students will be able to understand experimental methodology, the testing of hypotheses, and the power of systematic questioning.

1A: English Communication (6-10 Units)

CSU: Select 3 courses, 1 from 1A, 1B, and 1C; minimum of 9 units required

UC: Select 2 courses, 1 from 1A and 1B; minimum of 6 units required

1A: English Composition

ENG 1A (Critical Reading and Composition)3

1B: Critical Thinking/ English Composition

ENG 4 (Critical Thinking and Writing about Literature)3
 ENG 7 (Critical Thinking and Writing Across Disciplines)3
 PHIL 8 (Logic and Argumentation)4

1C: Oral Communication - CSU Only

CMST 1 (Fundamentals of Public Speaking)3
 CMST 10 (Interpersonal Communication)3
 CMST 46 (Argumentation and Debate)3

Area 2: Mathematical Concepts and Quantitative Reasoning (3-5 Units)

Select 1 course from below; minimum of 3 units required

MATH 1 (Calculus I)5
 MATH 2 (Calculus II)5
 MATH 3 (Multivariable Calculus)5
 MATH 5 (Ordinary Differential Equations)3.5
 MATH 7 (Elementary Linear Algebra)3.5
 MATH 10 (Discrete Mathematical Structures)4
 MATH 30 (College Algebra for STEM)4
 MATH 33 (Finite Mathematics)4

MATH 34 (Calculus for Business and Social Sciences)5
 MATH 40 (Statistics and Probability)4
 MATH 47 (Mathematics for Liberal Arts)3
 CS 17 (Discrete Mathematical Structures)4

Area 3: Arts and Humanities (9-12 Units)

Select 3 courses from below, at least 1 course from Arts, 1 course from Humanities & 1 from either area minimum of 9 units required

3A: Arts

ARHS 1 (Introduction to Art History)3
 ARHS 4 (Western Art History - Ancient to Medieval)3
 ARHS 5 (Western Art History - Renaissance to Contemporary)3
 ARHS 7 (Modern Art History)3
 GDDM 3 (The History of Modern Design)3
 HUMN 4 (Global Cinemas)4
 MUS 1 (Introduction to Music)3
 MUS 3 (World Music)3
 MUS 4 (Jazz in American Culture)3
 MUS 5 (American Cultures in Music)3
 MUS 8A (Music Theory and Musicianship 1)4
 MUS 8B (Music Theory and Musicianship 2)4
 MUS 13 (History of Rock & Roll)3
 MUS 34 (Music in Film)3
 PHTO 67 (History of Photography)3
 THEA 4 (American Cultures in Theater)3
 THEA 10 (Introduction to Dramatic Arts)3
 THEA 11 (Stage to Screen)3
 THEA 12 (Film As Art & Communication)4
 THEA 14 (Bay Area Theatre)3

3B: Humanities

ASL 2A (American Sign Language III)3
 ASL 2B (American Sign Language IV)3
 ENG 4 (Critical Thinking and Writing about Literature)3
 ENG 7 (Critical Thinking and Writing Across Disciplines)3
 ENG 20 (Studies in Shakespeare)3
 ENG 32 (U.S. Women's Literature)3
 ENG 35 (Modern American Literature)3
 ENG 41 (World Literature: 17th Century to the Present)3
 ENG 44 (Literature of the American West)3
 ENG 45 (Studies in Fiction)3
 HIST 1 (Western Civilization to 1600)3
 HIST 2 (Western Civilization Since 1600)3
 HIST 7 (US History Through Reconstruction)3
 HIST 8 (US History Post-Reconstruction)3
 HIST 14 (History and American Cultures of California)3
 HIST 25 (American Indian History)3
 HIST 32 (U.S. Women's History)3
 HUMN 3 (Introduction to Humanities)3
 HUMN 4 (Global Cinemas)4
 HUMN 6 (Nature and Culture)3
 HUMN 7 (Contemporary Humanities)3
 HUMN 10 (American Arts and Ideas)3
 HUMN 28 (World Mythology)3
 HUMN 44 (Narrative Film and Film Music)3
 MUS 34 (Music in Film)3
 PHIL 1 (God, Nature, Human Nature)3

PHIL 1H (Honors Philosophy 1: God, Nature, Human Nature).....	3
PHIL 2 (Ethics)	3
PHIL 2H (Honors Philosophy 2: Ethics).....	3
PHIL 3 (Aesthetics)	3
PHIL 4 (Intro to Philosophy: Knowledge)	3
PHIL 5 (Feminist Philosophy).....	3
RELS 1 (Religions of the World).....	3
RELS 2 (Bible: History and Literature)	3
RELS 3 (Intro To Women's Spirituality)	3
RELS 11 (The Nature of Islam).....	3
SPAN 2A (Intermediate Spanish I)	4
SPAN 2B (Intermediate Spanish II)	4
SPAN 22 (Spanish for Spanish Speakers II)	5

Area 4: Social and Behavioral Sciences (9-12 Units)

Select 3 courses below, from at least 2 different disciplines; minimum of 9 units required

AJ 50 (Intro to Admin of Justice)	3
AJ 60 (Criminal Law)	3
AJ 66 (Juvenile Procedures).....	3
ANTR 1 (Biological Anthropology).....	3
ANTR 2 (Introduction to Archaeology).....	3
ANTR 3 (Cultural Anthropology)	3
ANTR 4 (Language and Culture)	3
ANTR 5 (Cultures of the U.S. in Global Perspective).....	3
ANTR 6 (Anthropology of Sex and Gender).....	3
ANTR 7 (Native American Cultures of North America)	3
ANTR 8 (World Prehistory In Archaeological Perspective)	3
ANTR 12 (Magic/Religion/Witchcraft/Healing).....	3
CMST 4 (Introduction to Communication Studies).....	3
CMST 10 (Interpersonal Communication).....	3
CMST 11 (Intercultural Communication).....	3
ECE 15 (Abnormal Child Psychology)	3
ECE 56 (Child Growth and Development)	3
ECON 1 (Principles of Microeconomics).....	3
ECON 2 (Principles of Macroeconomics)	3
ECON 5 (Economic History of the United States)	3
ECON 10 (General Economics)	3
GEOG 2 (Cultural Geography).....	3
GEOG 5 (World Regional Geography).....	3
GEOG 12 (Geography of California)	3
GS 1 (Introduction to Global Studies)	3
GS 2 (Global Issues)	3
HLTH 3 (Women's Health)	3
HLTH 7 (Introduction to Public Health)	3
HLTH 11 (Health and Social Justice)	3
HIST 1 (Western Civilization to 1600).....	3
HIST 2 (Western Civilization Since 1600).....	3
HIST 7 (US History Through Reconstruction).....	3
HIST 8 (US History Post-Reconstruction).....	3
HIST 14 (History and American Cultures of California)	3
HIST 25 (American Indian History).....	3
HIST 28 (History of American West)	3
HIST 32 (U.S. Women's History)	3
MSCM 5 (Introduction to Mass Communications).....	3
MSCM 31 (Introduction to Media)	3
POLI 7 (Introduction to American Government)	4
POLI 12 (Introduction to California State and Local Government).....	3

POLI 20 (Comparative Government).....	3
POLI 25 (Introduction to Political Theory).....	3
POLI 30 (International Relations).....	3
PSYC 1 (General Psychology).....	3
PSYC 3 (Introduction to Social Psychology)	3
PSYC 4 (Brain, Mind, and Behavior)	3
PSYC 6 (Abnormal Psychology)	3
PSYC 12 (Life-Span Psychology).....	3
PSYC 13 (Psychology of Women).....	3
PSYC 15 (Abnormal Child Psychology)	3
PSYC 25 (Research Methods).....	4
PSYC 27 (Introduction to Cognitive Science)	3
PCN 13 (Multicultural Issues in Contemporary America).....	3
SOC 1 (Principles of Sociology)	3
SOC 3 (Cultural and Racial Minorities)	3
SOC 4 (Marriage and Family Relations).....	3
SOC 5 (Introduction to Global Studies)	3
SOC 6 (Social Problems)	3
SOC 11 (Sociology of Gender)	3
SOC 12 (Popular Culture)	3
SOC 13 (Research Methods).....	4
WMST 1 (Introduction to Women's Studies)	3
WMST 2 (Global Perspective of Women).....	3

Area 5: Physical Science and Biological Science (7-10)

Select 1 Physical Science Course and 1 Biological Science Course from below; minimum 7 units; 1 course must include a laboratory units

5A: Physical Science

ASTR 10 (Introduction to Astronomy: The Solar System)	3
ASTR 20 (Introduction to Astronomy: Stars and the Universe).....	3
CHEM 1A* (General College Chemistry I)	5
CHEM 1B* (General College Chemistry II).....	5
CHEM 12A* (Organic Chemistry I).....	5
CHEM 12B* (Organic Chemistry II)	5
CHEM 30A* (Intro and Applied Chemistry I)	4
CHEM 30B* (Intro and Applied Chemistry II).....	4
CHEM 31* (Intro to College Chemistry).....	4
EVST 5 (Energy and Sustainability)	3
GEOG 1 (Introduction to Physical Geography).....	3
GEOG 8 (Introduction to Atmospheric Science)	3
GEOG 12 (Geography of California).....	3
GEOL 1 (Physical Geology)	3
GEOL 3 (Historical Geology)	3
GEOL 5 (Environmental Geology: Hazards & Disasters).....	3
GEOL 7 (Environmental Geology: Resources, Use Impact & Pollution).....	3
GEOL 12 (Introduction to Oceanography).....	3
PHYS 1A* (General Physics I)	5
PHYS 1B* (General Physics II).....	5
PHYS 1C* (General Physics III).....	5
PHYS 1D* (General Physics IV)	3
PHYS 2A* (Introduction to Physics I).....	4
PHYS 2B* (Introduction to Physics II)	4
PHYS 10 (Descriptive Physics)	3

5B: Biological Science

ANTR 1 (Biological Anthropology).....	3
ANTR 13 (Introduction to Forensic Anthropology).....	3
BIO 1A* (General Botany).....	5
BIO 1B* (General Zoology).....	5
BIO 1C* (Cell and Molecular Biology).....	5
BIO 7A* (Human Anatomy).....	5
BIO 7B* (Human Physiology).....	5
BIO 7C* (Microbiology).....	5
BIO 10* (Introduction to the Science of Biology).....	4
BIO 20 (Contemporary Human Biology).....	3
BIO 30* (Introduction to College Biology).....	4
BIO 40 (Humans and the Environment).....	3
BIO 50* (Anatomy and Physiology).....	4
BIO 60* (Marine Biology).....	4
PSYC 4 (Brain, Mind, and Behavior).....	3

5C: Laboratory Science Requirement

Complete at least 1 course from below or from above marked with an *

ANTR 1L (Biological Anthropology Lab).....	1
ANTR 2L (Archaeology Field Lab).....	1
ASTR 30L (Introduction to Astronomy Lab).....	1
GEOG 1L (Introduction to Physical Geography Laboratory).....	1
GEOL 1L (Physical Geology Laboratory).....	1
GEOL 3L (Historical Geology Laboratory).....	1
GEOL 12L (Intro to Oceanography Lab).....	1
PHYS 10L (Descriptive Physics Lab).....	1

Area 6: Language other than English - UC Requirement Only (0-5 Units)

Proficiency in a language other than English may be met in one of the ways listed below

1.) Complete 1 of the following courses or a higher level.

ASL 1A (American Sign Language I).....	3
ASL 1B (American Sign Language II).....	3
ASL 2A (American Sign Language III).....	3
ASL 2B (American Sign Language IV).....	3
FREN 1A (Beginning French).....	5
FREN 1B (Elementary French).....	5
FREN 2A (Intermediate French I).....	4
FREN 2B (Intermediate French II).....	4
ITLN 1A (Beginning Italian).....	5
ITLN 1B (Elementary Italian).....	5
SPAN 1A (Beginning Spanish).....	5
SPAN 1B (Elementary Spanish).....	5
SPAN 2A (Intermediate Spanish I).....	4
SPAN 2B (Intermediate Spanish II).....	4

2.) Complete 2 years of high school study in the same language, with a grade of ‘C-’ or better in each course.

3.) Demonstration of equivalent proficiency prior to transfer.

American Institutions Requirement - CSU Graduation Requirement Only (0-1 Unit)

Complete 1 group from below. These courses may also be

applied to Area 3B or 4 as referenced above.

Group 1

HIST 7 (US History Through Reconstruction).....	3
HIST 8 (US History Post-Reconstruction).....	3

Group 2

POLI 7 (Introduction to American Government).....	4
---	---

and at least one of the following:

HIST 7 (US History Through Reconstruction).....	3
HIST 8 (US History Post-Reconstruction).....	3
HIST 25 (American Indian History).....	3
HIST 32 (U.S. Women's History).....	3

Total Units 34-55

Earning this Certificate of Achievement will not replace the “IGETC Certification” document. The “Certification of IGETC” is a separate process. The student must request IGETC Certification in the Admissions and Records Office after admission to the transfer institution.

VITICULTURE & WINERY TECHNOLOGY

The program options in the Viticulture and Winery Technology Program are designed to prepare students for careers in the wine industry. VWT students may enter the program at the level most suited to their needs and take as few or as many courses as they need to meet their objectives.

There are both Certificates and Associate of Science Degrees available to provide students with the knowledge and skills essential for success. Students are also able to pursue their studies in either of two tracks: Viticulture (grape growing) or Enology (wine making) by taking a series of production-oriented courses. Students may also elect to complete an Associate of Science degree in either Viticulture or Enology.

For more information please see:
<http://www.laspositascollege.edu/vwt/index.php>

Programs of Study

Degrees:

- AS – Enology
- AS – Viticulture

Certificates of Achievement:

- Enology
- Viticulture
- Wine Hospitality

Career Opportunities

The program emphasizes the application of viticulture and winemaking theory for decision-making in actual production situations. The Viticulture and Winery Technology Program prepares students for direct entry in the wine industry upon completion of their course of study at Las Positas College. Also, students currently employed in the wine industry may upgrade and update their skills and knowledge, and those with a general interest in wines, pairing wine and food, and viticulture and grapevines may take classes for enjoyment and further knowledge.

AS – Enology

About the Degree

The Associate of Science in Enology degree prepares students for either entry-level employment or further study in the field of Enology, or wine-making. The Enology A.S. includes courses in viticulture and winery technology, science, and general education courses. Students will gain both theoretical knowledge as well as hands-on experience

on state-of-the-art winery equipment.

Career Opportunities

There are more than 4,700 bonded wineries in California. From established wineries to new ventures, well-trained winery personnel are needed in many positions. Career opportunities related to enology include: winemaker, assistant winemaker, wine analysis lab technician, oenologist, winery supervisor, quality control, production manager, tasting room director, wine sales, wine service, wine hospitality, grape/juice buyer, equipment supplier, wine label design and packaging.

Program Outcomes

- Upon successful completion of the AS in Enology, the student will be able to apply general chemistry principles, wine microbiology fundamentals, and laboratory techniques to produce sound wines.
- Upon successful completion of the AS in Enology, the student will be able to safely start-up, operate, and shutdown winery equipment; and effectively utilize the equipment during the winemaking process.
- Upon successful completion of the AS in Enology, the student will be able to perform an accurate wine assessment utilizing acquired organoleptic skills.
- Upon successful completion of the AS in Enology, the student will be able to perform wine analysis methods including laboratory/quality control test during harvest, fermentations, cellaring, and prior to bottling.

Required Core: (28 Units)

CHEM 1A (General College Chemistry I).....	5
VWT 10 (Introduction to Viticulture).....	3
VWT 20 (Introduction to Enology).....	3
VWT 21 (Applied Enology).....	3
VWT 25 (Sensory Analysis of Wines).....	3
VWT 23 (Fundamentals of Wine Science).....	3
VWT 41 (Fall Winery Operations).....	3
VWT 42 (Spring Winery Operations).....	3
WRKX 94 (Occupational Work Experience/Internship).....	2

List A: Select One (3 Units)

VWT 1 (World Wines: New World).....	3
VWT 2 (World Wines: Old World).....	3
VWT 47 (Wine Regions/Wines of Calif).....	3

Program-Based GE: (4 Units)

CHEM 31 (Intro to College Chemistry).....	4
---	---

Total Units for the Major 31

Additional General Education and Elective Units..... 25

Total Units 60

See the Las Positas College General Education Pattern for the Associate of Science Degree for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an

adviser or a counselor to plan the courses necessary to achieve your academic goal.

AS – Viticulture

About the Degree

The Associate of Science in Viticulture degree prepares students for either entry-level employment or further study in the field of Viticulture, or grape-growing. The Viticulture A.S. includes courses in viticulture and winery technology, science, and general education courses. Students will gain both theoretical knowledge as well as hands-on experience in the college's onsite Campus Hill Vineyard.

Career Opportunities

California produces 90 percent of the U.S. wine. From established vineyards to new ventures, well-trained wine industry personnel are needed in many positions. Career opportunities related to viticulture include: vineyard manager, vineyard design and development, pest control, irrigation specialist, vineyard crew supervisor, equipment supervisor, quality control, production manager, wine hospitality, grape/juice sales, wine label design and packaging.

Program Outcomes

- Upon successful completion of the AS in Viticulture, the student will be able to contribute to the wine grape industry and participate in professional organizations at the local, state-wide, national and/or international levels.
- Upon successful completion of the AS in Viticulture, the student will be able to describe the latest technological advances in vineyard practices and incorporate current technology into their farming plans.
- Upon successful completion of the AS in Viticulture, the student will be able to identify, plan, and implement sustainable farming practices that will improve fruit quality, provide efficacious pest and disease management, and protect natural resources and the environment.
- Upon successful completion of the AS in Viticulture, the student will be able to show leadership capabilities by effectively training others to perform hands-on vineyard tasks.
- Upon successful completion of the AS in Viticulture, the student will be able to work cooperatively and effectively with winery personnel to determine optimum harvest parameters and coordinate the operations required.
- Upon successful completion of the AS in Viticulture, the student will have proficient knowledge of the seasonal requirements of a working vineyard.

Required Core: (24 Units)

VWT 10 (Introduction to Viticulture)	3
VWT 12 (Landscape and Vineyard Soils, Fertilizers, and Irrigation)	3
VWT 20 (Introduction to Enology)	3
VWT 25 (Sensory Analysis of Wines)	3
VWT 31 (Fall Vineyard Operations)	3
VWT 32 (Spring Vineyard Operations)	3
VWT 33 (Summer Viticulture Operations)	1

VWT 35 (Landscape and Vineyard Pest and Disease Management)	3
WRKX 94 (Occupational Work Experience/Internship)	2

List A: Select One (4 Units)

CHEM 30A (Intro and Applied Chemistry I)	4
CHEM 31 * (Intro to College Chemistry)	4

List B: Select One (3-5 Units)

BIO 1A (General Botany)	5
GEOG 1 (Introduction to Physical Geography)	3
GEOG 12 (Geography of California)	3
GEOG 15 (Introduction to GIS)	3

List C: Select One (3 Units)

VWT 1 (World Wines: New World)	3
VWT 2 (World Wines: Old World)	3
VWT 47 (Wine Regions/Wines of Calif)	3

Program-Based GE: Select One (4 Units)

BIO 10 (Introduction to the Science of Biology)	4
BIO 30 ** (Introduction to College Biology)	4

Total Units for the Major 34-36

Additional General Education and Elective Units 20-22

Total Units 60

See the Las Positas College General Education Pattern for the Associate of Science Degree for a listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

* *Recommended for students considering transfer.*

** *Recommended for students that plan to take BIO 1A.*

Certificate of Achievement Enology

About the Certificate

The Certificate of Achievement in Enology prepares students for entry-level employment in the field of Enology, or wine-making. The Certificate consists of core courses in wine-making and science, and focuses on the production of quality wines. Students will gain both theoretical knowledge as well as hands-on experience on state-of-the-art winery equipment.

Career Opportunities

There are more than 4,700 bonded wineries in California. From established wineries to new ventures, well-trained winery personnel are needed in many positions. Career opportunities related to enology include: winemaker, assistant winemaker, wine analysis lab technician, oenologist, winery supervisor, quality control, production manager, tasting room director, wine sales, wine service, wine hospitality, grape/juice buyer, equipment supplier, wine label design and packaging.

Program Outcomes

- Upon successful completion of the Certificate of Achievement in Enology, the student will be able to apply general chemistry principles, wine microbiology fundamentals, and laboratory techniques to produce sound wines.
- Upon successful completion of the Certificate of Achievement in Enology, the student will be able to safely start-up, operate, and shutdown winery equipment; and effectively utilize the equipment during the winemaking process.
- Upon successful completion of the Certificate of Achievement in Enology, the student will be able to perform an accurate wine assessment utilizing acquired organoleptic skills.
- Upon successful completion of the Certificate of Achievement in Enology, the student will be able to perform wine analysis methods including laboratory/quality control test during harvest, fermentations, cellaring, and prior to bottling.

Required Core: (23 Units)

VWT 10 (Introduction to Viticulture)	3
VWT 20 (Introduction to Enology)	3
VWT 21 (Applied Enology)	3
VWT 23 (Fundamentals of Wine Science)	3
VWT 25 (Sensory Analysis of Wines)	3
VWT 41 (Fall Winery Operations)	3
VWT 42 (Spring Winery Operations)	3
WRKX 94 (Occupational Work Experience/Internship)	2

List A: Select One (3 Units)

VWT 1 (World Wines: New World)	3
VWT 2 (World Wines: Old World)	3
VWT 47 (Wine Regions/Wines of Calif)	3

Total Units 26

Certificate of Achievement Viticulture

About the Certificate

The Certificate of Achievement in Viticulture prepares students for entry-level employment in the field of Viticulture, or grape-growing. The Certificate consists of core courses in viticulture and science, and focuses on the production of quality wine grapes. Students will gain both theoretical knowledge as well as hands-on experience in the college's onsite Campus Hill Vineyard.

Career Opportunities

California produces 90 percent of the U.S. wine. From established vineyards to new ventures, well-trained wine industry personnel are needed in many positions. Career opportunities related to viticulture include: vineyard manager, vineyard design and development, pest control, irrigation specialist, vineyard crew supervisor, equipment supervisor, quality control, production manager, wine hospitality, grape/juice sales, wine label design and packaging.

Program Outcomes

- Upon successful completion of the Certificate of Achievement in Viticulture, the student will be able to describe the latest technological advances in vineyard practices and incorporate current technology into their farming plans.
- Upon successful completion of the Certificate of Achievement in Viticulture, the student will be able to identify, plan, and implement sustainable farming practices that will improve fruit quality, provide efficacious pest and disease management, and protect natural resources and the environment.
- Upon successful completion of the Certificate of Achievement in Viticulture, the student will be able to show leadership capabilities by effectively training others to perform hands-on vineyard tasks.
- Upon successful completion of the Certificate of Achievement in Viticulture, the student will be able to work cooperatively and effectively with wineries to determine optimum harvest parameters and coordinate the operations required.

Required Core: (24 Units)

VWT 10 (Introduction to Viticulture)	3
VWT 12 (Landscape and Vineyard Soils, Fertilizers, and Irrigation)	3
VWT 20 (Introduction to Enology)	3
VWT 25 (Sensory Analysis of Wines)	3
VWT 31 (Fall Vineyard Operations)	3
VWT 32 (Spring Vineyard Operations)	3
VWT 33 (Summer Viticulture Operations)	1
VWT 35 (Landscape and Vineyard Pest and Disease Management)	3
WRKX 94 (Occupational Work Experience/Internship)	2

List A: Select One (3 Units)

VWT 1 (World Wines: New World)	3
VWT 2 (World Wines: Old World)	3
VWT 47 (Wine Regions/Wines of Calif)	3

Total Units 27

Certificate of Achievement Wine Hospitality

About the Certificate

The Certificate of Achievement in Wine Hospitality provides students with the wine knowledge, technical sales and service abilities, and social skills necessary to be a great host in wine country. The Certificate is ideal for current or future wine servers in restaurants, tasting rooms, wine bars, or catering events.

Career Opportunities

There are more than 23 million tourist visits to California wine regions. Taking care of these wine country visitors requires wine hospitality professionals. Career opportunities in wine hospitality include sommeliers, tasting room managers, wine servers, director of winery tours, and special event coordinators.

Program Outcomes

- Upon completion of the Certificate of Achievement in Wine

Hospitality, the student will be able to demonstrate proper wine service.

- Upon completion of the Certificate of Achievement in Wine Hospitality, the student will be able to describe a wine's qualities.

Required Core: (10 Units)

VWT 1 (World Wines: New World) or	
VWT 2 (World Wines: Old World).....	3
VWT 45 (Food and Wine Pairing)	2
VWT 47 (Wine Regions/Wines of Calif)	3
VWT 55 (Wine Service and Sales)	2

Total Units 10

Viticulture & Winery Technology Courses (VWT)

VWT 1 WORLD WINES: NEW WORLD 3 UNITS

This course is a comprehensive exploration of "new world" wines. The winemakers of the "new world" have taken the great grapes of the "old world" and created modern wines for a new generation. Explore the history of wine regions, origins of cultivars and the varied wines of the United States, Australia, New Zealand, South Africa, South America and Mexico. Students under the age of 21 must have a declared major of either viticulture and/or enology to participate in any tasting activities as stated in the California State Assembly Bill 1989. 54 hours lecture. Transfer: CSU, UC*. * VWT 1, 2, 10, and 20 combined: maximum UC credit, 3 units.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: GR

VWT 2 WORLD WINES: OLD WORLD 3 UNITS

This course is a comprehensive exploration of "old world" wines. The winemakers of the "old world" have been creating distinctive wines for millennia and now have embraced modern techniques and equipment to add another facet to the wines of Europe and beyond. Explore the history of wine regions, wine cultures, and the varied wines of France, Italy, Spain, Portugal, Germany, and Eastern Europe. Students under the age of 21 must have a declared major of either viticulture and/or enology to participate in any tasting activities as stated in the California State Assembly Bill 1989. 54 hours lecture. Transfer: CSU, UC*. * VWT 1, 2, 10, and 20 combined: maximum UC credit, 3 units.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: GR

VWT 10 INTRODUCTION TO VITICULTURE 3 UNITS

This is an introduction to general viticulture covering the fundamental principles of the biology and culture of the grapevine. This includes taxonomy, morphology, physiology, distribution, domestication, utilization, propagation, production systems, harvesting, and storage and processing of grapes, with a brief overview of wine making. The class explores climate and soil

preferences of *Vitus vinifera*, vineyard establishment, and training young vines. Cultural practice lectures will focus on canopy management disciplines, irrigation strategies, fertilization, pest and disease control, cover cropping and pruning. There will be practical experience workshops in the Campus Hill Vineyard. Successful completion of course should prepare students for upper division courses in viticulture. Students under the age of 21 must have a declared major of either viticulture and/or enology to participate in any tasting activities as stated in the California State Assembly Bill 1989. 54 hours lecture. Transfer: CSU, UC*. * VWT 1, 2, 10, and 20 combined: maximum UC credit, 3 units.

Degree Applicable, Credit Grading Option: GR

VWT 12 LANDSCAPE AND VINEYARD SOILS, FERTILIZERS, AND IRRIGATION 3 UNITS

This course is a study of the physical, chemical and biological properties of soil. Areas of study will include: soil classification, derivation, uses, function and management including erosion, moisture retention, structure, cultivation, organic matter and microbiology. There is a focus on vineyard and landscape planting media, soil substitutes, hydroponics, and amendments to improve and promote plant growth which includes plant and vine nutrition, essential nutrients required for plant growth and healthy development. There will be instruction covering materials used for fertilizers which includes material origins, use, and application; and irrigation systems which will cover materials required for basic irrigation systems used in vineyard and landscape settings. Students that take HORT 54 may not receive credit for VWT 12. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

VWT 20 INTRODUCTION TO ENOLOGY 3 UNITS

This course is an overview of the history of wine, modern viticulture and enology principles and practices, the science of fermentation, and standard winery operations. There is a primer on grape varieties and wine styles produced in major wine-producing regions of the world including California which will focus on regional stylistic expression of specific, heritage varietals. Instruction covering the physiology of wine consumption will precede practical exercises which will include the sensory evaluation of wines. Students under the age of 21 must have a declared major of either viticulture and/or enology to participate in any tasting activities as stated in the California State Assembly Bill 1989. 54 hours lecture. Transfer: CSU, UC*. * VWT 1, 2, 10, and 20 combined: maximum UC credit, 3 units.

Degree Applicable, Credit Grading Option: GR

VWT 21 APPLIED ENOLOGY 3 UNITS

This is a fundamental course in the science and art of winemaking focusing on grape and wine chemistry, basic grape processing and wine production from vineyard to bottle. Lectures will build on the development of wine from the components in grapes through maturation, including ripeness parameters, pre and post fermentation management, alcoholic and malolactic fermentation. There will be a focus on wine health and integrity, the role and behavior of compounds found in musts and yeasts, and the relationship between wine and oak. There will be a strong emphasis on analytical methods and practical skills. Students under the age of 21 must have a declared major of either viticulture and/or enology to participate in any

tasting activities as stated in the California State Assembly Bill 1989. Strongly Recommended: VWT 20 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

VWT 23 FUNDAMENTALS OF WINE SCIENCE 3 UNITS

This course covers the chemistry and microbiology of winemaking including the use of yeasts and enzymes, primary and secondary fermentation management, wine micro-organisms, phenolic compounds, color chemistry, aging and flavor development. There will be a focus on wine faults: the causes and corrections. Students under the age of 21 must have a declared major of either viticulture and/or enology to participate in any tasting activities as stated in the California State Assembly Bill 1989. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

VWT 25 SENSORY ANALYSIS OF WINES 3 UNITS

This is a sensory analysis of wine course designed for individuals to learn organoleptic tasting techniques, characteristics and styles of wine varieties, wine sensory evaluation methods including statistical analysis of trials, philosophy of wine styles, and the common evaluation methods used in sensory testing. Students must be 21 years of age or older, and this class has a materials fee above regular enrollment fee. 54 hours lecture. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: GR

VWT 29 INDEPENDENT STUDY, VITICULTURE AND WINERY TECHNOLOGY 0.5-2 UNITS

For course information, see "Independent Studies". 27-108 hours laboratory.

VWT 31 FALL VINEYARD OPERATIONS 3 UNITS

This class has a strong emphasis on the practical applications of viticulture. Students will be involved in the operation of the LPC Campus Hill Vineyard putting into action, viticultural practices for the fall and winter seasons including canopy management techniques, irrigation disciplines, pest and disease control, fruit contracts, maturity sampling, harvesting, pruning, erosion control via cover crop, fertilization, weed control, and vineyard development and establishment with a focus on sustainable vineyard management. Students under the age of 21 must have a declared major of either viticulture and/or enology to participate in any tasting activities as stated in the California State Assembly Bill 1989. Strongly Recommended: VWT 10 with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

VWT 32 SPRING VINEYARD OPERATIONS 3 UNITS

This class has a strong emphasis on the practical applications of viticulture. Students will be involved in the operation of the LPC Campus Hill Vineyard putting into action viticultural practices for the spring season including pruning, canopy management techniques, new vine planting and training, vine nutrition, weed

control, irrigation system construction and maintenance, trellis construction and maintenance, vineyard equipment operation and maintenance, with a continued focus on sustainable vineyard management. Students under the age of 21 must have a declared major in either viticulture and/or enology to participate in any tasting activities as stated in the California State Assembly Bill 1989. Strongly Recommended: VWT 10 with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

VWT 33 SUMMER VITICULTURE OPERATIONS 1 UNIT

This course covers vineyard practices for the summer session. The class will manage the Las Positas College Campus Hill vineyard, with an emphasis on the practical applications of viticulture theory including vine training, canopy management, assessment of insect and disease problems specific to the appellation, irrigation applications relating to soil and leaf moisture and crop estimation. Strongly Recommended: VWT 10 with a minimum grade of C. 9 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

VWT 35 LANDSCAPE AND VINEYARD PEST AND DISEASE MANAGEMENT 3 UNITS

This course covers concepts of plant pathology, entomology, and weed science which are studied in order to identify symptoms, diagnose problems, and determine methods of controlling plant diseases, insects, and weed pests. Also included is the study of the identification and biology of common vineyard, landscape and other horticultural crop pests and diseases. Materials and instruction is provided for techniques and strategies for sampling, monitoring and effective control measures, pest management strategies for insects, weeds and diseases, including bio-control, sustainable agriculture practices and integrated pest management. In addition to pesticide use, safety and compliance, there is a focus on preparation for the California State Qualified Applicators license. Students that take HORT 53 may not receive credit for VWT 35. 45 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

VWT 41 FALL WINERY OPERATIONS 3 UNITS

This class has a strong emphasis on the practical applications of winery operations. Students will be involved in the grape processing of the annual LPC Campus Hill Vineyard harvest, putting into action winery operations for the fall season including the planning, managing and implementation of harvest, grape maturity monitoring, press pad equipment operation and safety, handling must and juices, alcoholic and malolactic fermentation disciplines, sensory and laboratory analysis, handling and storage of new wines, maintenance of wines from previous vintages, winery sanitation, forklift safety and operation and general cellar practices. Students under the age of 21 must have a declared major of either viticulture and/or enology to participate in any tasting activities as stated in the California State Assembly Bill 1989. Strongly Recommended: VWT 20 with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

VWT 42 WINERY OPERATIONS II 3 UNITS

This class has a strong emphasis on the practical applications of winery operations. Students will be involved in the on-going maintenance of wines produced from the annual LPC Campus Hill Vineyard harvest, putting into action winery operations for the spring season including winery equipment operation and safety, the handling and storage of new wines, barrel and tank monitoring, sensory and laboratory analysis, the planning, managing and implementation of bottling including blending trials, fining and filtering, label design and compliance, winery sanitation and record keeping. Students under the age of 21 must have a declared major in either viticulture and/or enology to participate in any tasting activities as stated in California State Assembly Bill 1989. Strongly Recommended: VWT 20 with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

VWT 45 FOOD AND WINE PAIRING 2 UNITS

This course is an introduction to the art and science of food and wine pairing. Through lectures and formal tastings, students are instructed in the use of a sensory analysis model to identify components in food and wine that complement or contrast when initiating pairings. Students will participate in comprehensive palate exercises in which regional food preparations are paired with a broad spectrum of wines. Students under the age of 21 must have a declared major of either viticulture and/or enology to participate in any tasting activities as stated in the California State Assembly Bill 1989. 36 hours lecture. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

VWT 47 WINE REGIONS/WINES OF CALIF 3 UNITS

Introduction to wines produced in California by region, including history, viticultural practices and winemaking styles. There is a strong emphasis on the sensory evaluation of representative California wines. There is a materials fee associated with this class. Students under the age of 21 must have a declared major of viticulture and/or enology to participate in any tasting activities as stated in the California State Assembly Bill 1989. 54 hours lecture. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

VWT 55 WINE SERVICE AND SALES 2 UNITS

This course will provide students with the information, skills, and abilities to provide high-quality wine service in restaurants, tasting rooms, wine bars, and/or catering events. Instruction will include both the technical and social skills necessary to maximize the guest experience and to be a successful wine sales/service professional. Students under the age of 21 must have a declared major of either viticulture and/or enology to participate in any tasting activities as stated in the California State Assembly Bill 1989. 36 hours lecture. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

WELDING TECHNOLOGY

Welding touches every aspect of our modern life from the shoes we wear to the food we eat. The Welder or Welding Technician is concerned with all of the activities related to the manufacturing, production, performance, and maintenance of welded products. Interest is primarily in the manufactured or fabricated product, including process selection, power sources, base and filler materials, manufacturing methods, hands-on skills training, inspection, quality control, performance evaluation, and equipment service. The broad range of welded products with which welders and welding technicians deal includes structures, such as bridges, buildings, utility equipment, wind turbines, and communication towers; pressure vessels and heat exchangers, such as nuclear systems, boilers, solar thermal systems, oil and natural gas exploration, chemical processing equipment, storage vessels, and transmission and distribution piping; transportation vehicles for water, land, air, and space travel; and production and processing machines of all types.

Completion of the certificate/AS degree requirements prepares students to take certification tests in a workplace environment. Students may begin this program any semester and enter with either Welding Technology 61 or Welding Technology 62 as the starting series, or may choose Welding Technology 70 or Welding Technology 71 as a means to explore the topic on a more superficial approach. This program is designed to teach theoretical concepts in one course and hands-on skills in a companion course. These companion courses must be taken concurrently. While units in the program are transferable to many institutions, students should consult a counselor for specific information.

For more information please see:
<http://www.laspositacollege.edu/weld/index.php>

Programs of Study

Degrees:

- AS – Welding Technology

Certificates of Achievement:

- Welding Technology

Career Opportunities

Students will find many career opportunities open to them, such as Welder, Welding Technician, Fabricator, Certified Welding Inspector, Pipewelder, Ironworker, Boilermaker, Steamfitter, Sheet Metal, as well as Maintenance and Repair occupations.

AS – Welding Technology

About the Degree

The Associate of Science in Welding Technology prepares students for the welding and manufacturing industry. Welding touches every

aspect of our modern life from the shoes we wear to the food we eat. The Welder or Welding Technician is concerned with all of the activities related to the manufacturing, production, performance, and maintenance of welded products. Interest is primarily in the manufactured or fabricated product, including process selection, power sources, base and filler materials, manufacturing methods, hands-on skills training, inspection, quality control, performance evaluation, and equipment service. The broad range of welded products with which welders and welding technicians deal includes structures, such as bridges, buildings, utility equipment, wind turbines, and communication towers; pressure vessels and heat exchangers, such as nuclear systems, boilers, solar thermal systems, oil and natural gas exploration, chemical processing equipment, storage vessels, and transmission and distribution piping; transportation vehicles for water, land, air, and space travel; and production and processing machines of all types.

Career Opportunities

The welding industry offers a wide variety of dynamic and challenging careers. Underwater welders are needed on offshore oil rigs. Welder-operators use automated welding systems to manufacture cars. Structural welders help to construct skyscrapers and bridges. In addition to welders, other professionals such as certified inspectors and engineers rely on welding to do their jobs. Without these professionals, our country would fall apart. The demand for skilled welding professionals is constantly growing. By 2025, our nation's workforce will need over 400,000 welders to satisfy the demands of several industries.

Program Outcomes

- Upon successful completion of the AS in Welding Technology, students will be able to operate safely in a welding workplace environment.
- Upon successful completion of the AS in Welding Technology, students will have skills necessary to pass an American Welding Society standard welding certification test.

Required Core: (25 Units)

WLDT 55 (Print Reading for Industry).....	2
WLDT 61A (Beginning SMAW and FCAW Theory).....	1
WLDT 61AL (Beginning SMAW and FCAW Skills Lab).....	2
WLDT 61B (Advanced SMAW and FCAW Theory).....	1
WLDT 61BL (Advanced SMAW and FCAW Skills Lab).....	2
WLDT 62A (Beginning GTAW and GMAW Theory).....	1
WLDT 62AL (Beginning GTAW and GMAW Skills Lab).....	2
WLDT 62B (Advanced GTAW and GMAW Theory).....	1
WLDT 62BL (Advanced GTAW and GMAW Skills Lab).....	2
WLDT 63 (Welding Layout and Fitting).....	2
WLDT 66 (Welding Inspection and Testing).....	2
WLDT 69A (Beginning Pipe Welding).....	3
WLDT 69B (Advanced Pipe Welding).....	3
WLDT 73 (Welding Workplace Safety).....	1

List A: Select from Below (12 Units)

WLDT 1 (Welding Camp).....	1
WLDT 67A (Welding Skills Lab).....	2
WLDT 67B (Advanced Welding Skills Lab).....	2
WLDT 68 (Certification Preparation).....	2

WLDT 70 (Introduction to Welding).....	2
WLDT 72A (Beginning Laser Welding).....	2
WLDT 72B (Intermediate Laser Welding).....	3
WLDT 72C (Advanced Laser Welding).....	2
WLDT 80 (The Welding Business).....	2

List B: Select from Below (7 Units)

MATH 50 (Intermediate Algebra for SLAM).....	4
MATH 53A (Technical Intermediate Algebra for Welding A).....	2
MATH 53B (Technical Intermediate Algebra for Welding B).....	1
MATH 72A (Technical Elementary Algebra A).....	1
MATH 72B (Technical Elementary Algebra B).....	1
MATH 72C (Technical Elementary Algebra C).....	1
MATH 72D (Technical Elementary Algebra D).....	1

Program-Based GE: Select One (3 Units)

ASL 1A (American Sign Language I).....	3
BUSN 48 (Human Relations in Organizations).....	3
BUSN 52 (Business Communications).....	3
CIS 50 (Intro to Computing Info Tech).....	3
GDDM 3 (The History of Modern Design).....	3
WLDT 71 (Welding for the Arts).....	3

Total Units for the Major 44

Additional General Education and Elective Units 13

Total Units 60

See the Las Positas College General Education Pattern for Associate of Science Degree for listing of areas and courses. Double counting courses in GE and the major is permissible. The number of units that may be double counted will depend on the entry point to the degree program and the optional course(s) taken. Consult with an adviser or a counselor to plan the courses necessary to achieve your academic goal.

Certificate of Achievement Welding Technology

About the Certificate

The Certificate of Achievement in Welding Technology is designed to prepare students for entry level employment in a manufacturing environment. Key outcomes of the certificate include operating safely while performing the welding skills necessary to pass standard industry tests. Students will also learn to use auxiliary equipment, processes and materials. Completion of the certificate will provide the student a strong knowledge foundation to utilize and apply common welding processes.

Career Opportunities

The welding industry offers a wide variety of dynamic and challenging careers. Underwater welders are needed on offshore oil rigs. Welder-operators use automated welding systems to manufacture cars. Structural welders help to construct skyscrapers and bridges. In addition to welders, other professionals such as certified inspectors and engineers rely on welding to do their jobs. Without these professionals, our country would fall apart. The demand for skilled welding professionals is constantly growing. By 2025, our nation's workforce will need over 400,000 welders to satisfy the demands of

several industries.

Program Outcomes

- Upon successful completion of the Certificate of Achievement in Welding Technology, students will be able to operate safely in a welding workplace environment.
- Upon successful completion of the Certificate of Achievement in Welding Technology, students will have skills necessary to pass an American Welding Society standard welding certification test.

Required Core: (7 Units)

WLDT 55 (Print Reading for Industry).....	2
WLDT 63 (Welding Layout and Fitting).....	2
WLDT 66 (Welding Inspection and Testing).....	2
WLDT 73 (Welding Workplace Safety).....	1

List A: Select from Below (15 Units)

WLDT 1 (Welding Camp).....	1
WLDT 61A (Beginning SMAW and FCAW Theory).....	1
WLDT 61AL (Beginning SMAW and FCAW Skills Lab).....	2
WLDT 61B (Advanced SMAW and FCAW Theory).....	1
WLDT 61BL (Advanced SMAW and FCAW Skills Lab).....	2
WLDT 62A (Beginning GTAW and GMAW Theory).....	1
WLDT 62AL (Beginning GTAW and GMAW Skills Lab).....	2
WLDT 62B (Advanced GTAW and GMAW Theory).....	1
WLDT 62BL (Advanced GTAW and GMAW Skills Lab).....	2
WLDT 67A (Welding Skills Lab).....	2
WLDT 67B (Advanced Welding Skills Lab).....	2
WLDT 68 (Certification Preparation).....	2
WLDT 70 (Introduction to Welding).....	2
WLDT 72A (Beginning Laser Welding).....	2
WLDT 72B (Intermediate Laser Welding).....	3
WLDT 72C (Advanced Laser Welding).....	2
WLDT 80 (The Welding Business).....	2

List B: Select One Area (4 Units)

Area 1

MATH 72A (Technical Elementary Algebra A).....	1
MATH 72C (Technical Elementary Algebra C).....	1
MATH 53A (Technical Intermediate Algebra for Welding A).....	2

Area 2

MATH 39 (Trigonometry).....	4
-----------------------------	---

Total Units 26

**Welding Technology Courses
(WLDT)**

WLDT 1 WELDING CAMP 1 UNIT

This course is designed to introduce the basics of shop safety, hand tools and welding. Fabrication of simple metal projects. Emphasis on practical uses and applications. 9 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

WLDT 10 MACHINING FOR THE METAL TRADES 3 UNITS

This course is intended to show how machine tools are used in the metal trades and manufacturing, as well as how machine tools operate and when to use one particular machine instead of another. The advantage and disadvantage of various machining techniques as well as their application in the fabrication process are explored. Students will learn the use of drawings, hand tools, precision measuring tools, drilling machines, grinders, lathes, milling machines, and other specialized tools used to shape and finish metal and nonmetal parts. Additive and subtractive manufacturing techniques as well as related processes are explored. 18 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

WLDT 55 PRINT READING FOR INDUSTRY 2 UNITS

Interpreting and visualizing drawings and prints used in industrial settings. The role of prints in the digital age, geometric dimensioning and tolerancing to current standards. Foundational skills needed for print reading success, including basic mathematics, geometry principles, measurement tools, and the design process. Welding symbols and their use in manufacturing. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

WLDT 61A BEGINNING SMAW AND FCAW THEORY 1 UNIT

Theory and safety of Shielded Metal Arc (SMAW) Flux-Core Arc (FCAW) welding of steel, flame cutting, plasma and carbon arc cutting. American Welding Society nomenclature, electrode and wire selection, job opportunities. Blueprint reading, welding symbols for welders and hazardous material regulation. Corequisite: WLDT 61AL or WLDT 61BL. 18 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

WLDT 61AL BEGINNING SMAW AND FCAW SKILLS LAB 2 UNITS

Skills of Shielded Metal Arc (SMAW) and Flux-Core Arc (FCAW) welding in the flat and horizontal positions to to American Welding Society code specifications. Oxy-fuel flame, plasma, and carbon arc cutting. Safe use and handling of welding equipment and consumables. Corequisite: WLDT 61A or WLDT 61B. 108 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

WLDT 61B ADVANCED SMAW AND FCAW THEORY 1 UNIT

Theory and safety of Stick (SMAW) and Flux-core Arc (FCAW) welding of steel, flame cutting, plasma and carbon arc cutting. American Welding Society nomenclature, electrode and wire selection, job opportunities. Blueprint reading, welding symbols for welders and hazardous material regulations. Corequisite: WLDT 61AL or WLDT 61BL. 18 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

WLDT 61BL ADVANCED SMAW AND FCAW SKILLS LAB 2 UNITS

Advanced skills in Shielded Metal Arc (SMAW) and Flux Cored Arc (FCAW) welding of steel in the horizontal, vertical and overhead positions to A.W.S. Codes. Safety and proper use of SMAW, FCAW, oxy-fuel cutting and plasma arc cutting equipment. Blueprint usage in the welding shop environment. Prerequisite: WLDT 61AL with a minimum grade of C. Corequisite: WLDT 61A or WLDT 61B. 108 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

WLDT 62A BEGINNING GTAW AND GMAW THEORY 1 UNIT

Theory of fuel and inert gas welding of steel, stainless steel and aluminum alloys, Oxy-Fuel welding, Oxy fuel brazing, flame cutting, and plasma cutting. Gas Tungsten Arc (GTAW) and Gas Metal Arc (GMAW) and welding equipment supplies. Nomenclature and metallurgy of steel, stainless steel and aluminum alloys. Introduction to blueprint reading and welding symbols. Hazardous material regulations and safety data sheets. Corequisite: WLDT 62AL or WLDT 62BL. 18 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

WLDT 62AL BEGINNING GTAW AND GMAW SKILLS LAB 2 UNITS

Skills of TIG (GTAW) and MIG (GMAW) welding of ferrous and non-ferrous alloys in the flat and horizontal positions to A.W.S. codes. Safety and proper use of TIG and MIG equipment, oxy-fuel welding and cutting, plasma cutting. Blueprint usage in welding shop environment. Corequisite: WLDT 62A or WLDT 62B. 108 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

WLDT 62B ADVANCED GTAW AND GMAW THEORY 1 UNIT

Theory of fuel and inert gas welding of Non-Ferrous alloys, Oxy-Fuel welding, Oxy fuel brazing, flame cutting, and plasma cutting. Gas Tungsten Arc (GTAW) and Gas Metal Arc (GMAW) and welding equipment supplies. Nomenclature and metallurgy of Non-Ferrous alloys. Introduction to blueprint reading and welding symbols. Hazardous material regulations and safety data sheets. Corequisite: WLDT 62AL or WLDT 62BL. 18 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

WLDT 62BL ADVANCED GTAW AND GMAW SKILLS LAB 2 UNITS

Advanced skills in Gas Tungsten Arc (GTAW) and Gas Metal Arc (GMAW) welding of ferrous and non-ferrous alloys in the horizontal, vertical and overhead positions to A.W. S. codes. Safety and proper use of TIG and MIG equipment, oxy-fuel welding and cutting, plasma cutting. Blueprint usage in welding shop environment. Pipe and tubing fit-up and welding. Prerequisite: WLDT 62AL with a

minimum grade of C. Corequisite: WLDT 62A or WLDT 62B. 108 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

WLDT 63 WELDING LAYOUT AND FITTING 2 UNITS

Interpretation of welding blueprints by making welding layouts and weldment fitups. Current methods, practices, and recommended procedures. Use of jigs, fixtures, holding devices, and welding sequences. Methods of straightening and restoring dimensions to finished product. Laboratory includes SMAW, GMAW, GTAW, and FCAW welding, plasma and oxy-fuel cutting. Strongly Recommended: WLDT 61BL with a minimum grade of C or WLDT 62BL with a minimum grade of C. 18 hours lecture, 54 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

WLDT 66 WELDING INSPECTION AND TESTING 2 UNITS

Theory and skills in performing inspections and tests using destructive and nondestructive methods. American Welding Society (AWS) codes and their role in welding inspection. The role and duties of the Certified Welding Inspector (CWI). Strongly Recommended: WLDT 61AL with a minimum grade of C or WLDT 62AL with a minimum grade of C. 18 hours lecture, 54 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

WLDT 67A WELDING SKILLS LAB 2 UNITS

Development and improvement of skills in Shielded Metal Arc (SMAW), Flux Cored Arc (FCAW), Gas Metal Arc (GMAW), and Gas Tungsten Arc (GTAW) welding. Strongly Recommended: WLDT 61AL with a minimum grade of C or WLDT 62AL with a minimum grade of C or WLDT 70 with a minimum grade of C or WLDT 71 with a minimum grade of C. 108 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

WLDT 67B ADVANCED WELDING SKILLS LAB 2 UNITS

Advanced development and improvement of skills in Shielded Metal Arc (SMAW), Flux Cored Arc (FCAW), Gas Metal Arc (GMAW), and Gas Tungsten Arc (GTAW) welding. Strongly Recommended: WLDT 67A with a minimum grade of C. 108 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

WLDT 68 CERTIFICATION PREPARATION 2 UNITS

Welding skills preparation for certification testing. Theory of

American Welding Society D1.1, American Society of Mechanical Engineers Section IX and American Petroleum Institute 1104. Strongly Recommended: WLDT 61AL with a minimum grade of C or WLDT 61BL with a minimum grade of C or WLDT 62AL with a minimum grade of C or WLDT 62BL with a minimum grade of C or WLDT 69A with a minimum grade of C or WLDT 69B with a minimum grade of C. 108 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

WLDT 69A BEGINNING PIPE WELDING 3 UNITS

Theory and practical application of: pipe joint preparation and design, API (American Petroleum Institute) and AWS (American Welding Society) welding codes specification for pipe and pipe fittings, analysis of joint configuration, plasma and flame cutting of pipes, wire and electrodes selections, beginning of pipe welding blue print and welding symbols, SMAW, GMAW, FCAW and GTAW of pipe joints, non-destructive and destructive test and qualitative concepts of evaluation. Welding in the 1G and 2G positions. Prerequisite: WLDT 61BL with a minimum grade of C or WLDT 62BL with a minimum grade of C. 18 hours lecture, 108 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

WLDT 69B ADVANCED PIPE WELDING 3 UNITS

Theory and practical application of: pipe joint preparation and design, API (American Petroleum Institute) and AWS (American Welding Society) welding codes specification for pipe and pipe fittings, analysis of joint configuration, plasma and flame cutting of pipes, wire and electrodes selections, beginning of pipe welding blue print and welding symbols, SMAW, GMAW, FCAW and GTAW of pipe joints, non-destructive and destructive test and qualitative concepts of evaluation. Welding in the 5G and 6G positions. Prerequisite: WLDT 69A with a minimum grade of C. 18 hours lecture, 108 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

WLDT 70 INTRODUCTION TO WELDING 2 UNITS

Basic skills in Shielded Metal Arc (SMAW), Gas Tungsten Arc (GTAW), Gas Metal Arc (GTAW) and Flux Core Arc (FCAW) welding. Oxy-fuel welding and thermal cutting. Emphasis on safety, proper usage, theory and care of welding equipment. 18 hours lecture, 54 hours laboratory. Transfer: CSU.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

WLDT 71 WELDING FOR THE ARTS 3 UNITS

Provides basic welding, shop skills and instruction that artistically inclined individuals should know in order to be effective in the process of creating metal art and sculpture. Provides instruction on types of metals (aluminum, iron, steel, cast iron, bronze, stainless steel, etc.), mechanical fastenings, cutting and permanent joining together of metals and alloys through welding processes such as SMAW, GMAW, GTAW, FCAW, oxyacetylene and braze welding,

plasma and fuel gas cutting. Instruction includes general shop safety, equipment use, finishing, welding electricity fundamentals, welding consumable identification, and hazardous materials regulation. 18 hours lecture, 108 hours laboratory. AA/AS GE. Transfer: CSU; CSU GE: C1.

Course Material Fees May Apply

Degree Applicable, Credit Grading Option: OP

WLDT 72A BEGINNING LASER WELDING 2 UNITS

This course will cover the theory and concepts associated with modern laser welding of metals and materials. The use of the laser in the manufacturing environment will be shown along with typical applications. The different types of lasers available for welding. The advantages and disadvantages of continuous power laser welding and pulsed laser welding. Strongly Recommended: MATH 71 with a minimum grade of C or MATH 71A with a minimum grade of C and/or MATH 71B with a minimum grade of C. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

WLDT 72B INTERMEDIATE LASER WELDING 3 UNITS

This course will cover the theory and applied skills associated with modern laser welding of metals and materials. Hands-on use of the laser welding equipment will be shown along with typical applications. The different types of joint configurations for welding will be covered. The tools for measuring and monitoring laser welding performance will be explored. Methods of inspection, as well as defect detection, their cause and corrective action will be discussed. Practical application of codes and specifications for industrial laser welding applications will be reviewed. Laser welding safety requirements and personal protective equipment. Prerequisite: WLDT 72A with a minimum grade of C (may be taken concurrently). 18 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

WLDT 72C ADVANCED LASER WELDING 2 UNITS

This course will cover the application of modern laser welding of metals and materials. The hands-on use of the laser in the manufacturing environment will be performed. Utilization of tools for monitoring their performance will be explored. The safe and proper use continuous power laser welding and pulsed laser welding as well as the equipment and supplies will be covered. Direct measurement of temporal and spatial characteristics of the laser beam will be performed. Welding as well as metallurgy and joint configurations will be employed. Inspection, as well as defect detection, as well as their cause and corrective action will be demonstrated. Utilization of codes and specifications for industrial laser welding applications will be applied as well as welding safety requirements and personal protective equipment. Calculation of laser beam welding parameters. Prerequisite: WLDT 72B with a minimum grade of C. 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

WLDT 73 WELDING WORKPLACE SAFETY 1 UNIT

This course provides the safety knowledge required to operate safely in a welding or construction workplace environment. This course will

emphasize hazard identification, avoidance and control as a means to proactively create a safe workplace environment. OSHA safety standards will be emphasized throughout to maintain consistency with workplace environment. This course meets the 10 hour OSHA construction safety training requirements. 18 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

WLDT 79 MANUFACTURING PROCESSES 2 UNITS

This course examines the processes and equipment used in modern manufacturing. This course provides an excellent introduction to today's manufacturing processes, as well as an overview of the processes and equipment used in modern manufacturing. The course concentrates on the five major types of industrial materials; metals, plastics, ceramics, woods, and composites. It provides thorough coverage of the forming, separating, fabricating, conditioning, and finishing processes related to each material. The course also includes the materials and manufacturing processes used in packaging finished goods. The proper and safe use of hand tools, basic shop tools, manufacturing and welding equipment will be covered. Understanding the relationship between manufacturing processes, materials properties, materials processing and design. 27 hours lecture, 27 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

WLDT 80 THE WELDING BUSINESS 2 UNITS

This course explores the combination of materials, labor and machines. This course examines the unique aspects associated with the operation of a successful welding business. This course provides a basic understanding of the flow of work through a welding operation from the initial customer contact through the completed component arriving at the customers receiving facility. The request for quotation, the processes of bidding on work, estimating, quotations, contract documents, codes, specifications, customer requirements, manufacturing travelers, quality control, manufacturing methods, labor, raw material sources, subcontractors, finishing, transportation, materials handling, packaging, and the process for getting paid for doing the work. Strongly Recommended: WLDT 61AL with a minimum grade of C or WLDT 62AL with a minimum grade of C. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

WOMEN'S STUDIES

Women's Studies courses are designed to help students comprehend the forces that shape the lives of women in United States and in countries around the world. They examine the movement for equal rights globally. The Women's Studies courses are transferable and students are encouraged to develop critical thinking skills and to learn to write and communicate clearly. Both skills will enable students to be successful in their chosen career fields. The discipline of Women's Studies helps to nurture an informed public and is, therefore, of vital importance to higher education.

Women's Studies Courses (WMST)

WMST 1 INTRODUCTION TO WOMEN'S STUDIES 3 UNITS

Examines the cultural, historical, social, political and economic experiences of women in the United States. Introduces feminist perspectives on a wide range of issues affecting women incorporating race, class, ethnicity, sexual orientation and the life cycle. Analysis of African American women, Asian American women, Chicanas, European American women and Middle Eastern American women. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D4, D7; IGETC: 4D, 4G; C-ID# SJS 120.

Degree Applicable, Credit Grading Option: OP

WMST 2 GLOBAL PERSPECTIVE OF WOMEN 3 UNITS

Examines the cultural, historical, political, and economic experiences of women globally. Introduces feminist perspectives on a wide range of issue affecting women including globalization, war, education, work, family, and religion in Asia, Africa, the Middle East, and Latin America. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D4, D7; IGETC: 4D, 4G; C-ID# SJS 120.

Degree Applicable, Credit Grading Option: OP

WORK EXPERIENCE

The Work Experience courses support the educational benefits of work and give students the opportunity to earn college credit while working in supervised employment. Students work in part-time or full-time, paid or unpaid positions and they contract, in collaboration with their work supervisor and instructor, to achieve learning objectives. There are two types of Work Experience courses: General Work Experience, for students working in any type of job, and Occupational Work Experience/Internship, for students working in a job related to their academic and career goals. Students must already have employment to enroll in courses.

For more information about the Work Experience courses, please visit <http://laspositacollege.edu/workexperience/>. Students can search for employment on the Las Positas College Internship and Job Board at <http://laspositacollege.edu/internship-job-board/>. Employers are invited to post positions on the board, which is a free service. Work Experience courses are part of the college's Work-Based Learning Program: <http://www.laspositacollege.edu/careercenter/work-based.php>.

Work Experience Courses (WRKX)

WRKX 94 OCCUPATIONAL WORK 0.5-8 UNITS

EXPERIENCE/INTERNSHIP

This course of supervised employment provides students with the opportunity to earn college credit for developing marketable skills while working in their major field of study. Students working in a part-time or full-time, paid or unpaid internship or position related to their major field of study will contract, in collaboration with their work supervisor and instructor, to set measurable, achievable goals; accomplish new or expanded learning objectives; and broaden work skills and experiences. Students will apply discipline-specific knowledge, skills, and abilities gained in the classroom. Students can earn 0.5 to 8 units per semester for a maximum of 16 units of Cooperative Work Experience, which includes General Work Experience and Occupational Work Experience/Internship. Students must work 75 paid hours or 60 unpaid hours per unit earned during the semester. Transfer: CSU. May be taken any number of times for a maximum of 16 units of Cooperative Work Experience.

Degree Applicable, Credit Grading Option: OP

WRKX 95 GENERAL WORK 0.5-6 UNITS
EXPERIENCE

This course of supervised employment provides students with the opportunity to earn college credit while working and developing desirable work habits, attitudes, and skills. Students working in any part-time or full-time, paid or unpaid position will contract, in collaboration with their work supervisor and instructor, to set measurable, achievable goals; accomplish new or expanded learning objectives; and broaden work skills and experiences. The work experience need not be related to the students' educational goals. Students can earn 0.5 to 6 units per semester for a maximum of 16 units of Cooperative Work Experience, which includes General Work Experience and Occupational Work Experience/Internship. Students must work 75 paid hours or 60 unpaid hours per unit earned during the semester. Transfer: CSU. May be taken any number of times for a maximum of 16 units of Cooperative Work Experience.

Degree Applicable, Credit Grading Option: OP

Administrators

Thomas Allen
(2017)
Adult Education Program Manager
AA, Cabrillo College; BA, University of Washington; MA, Inter-American University of Puerto Rico; Teaching English as a Second Language

Roanna V. Bennie
(2015)
Interim President
BA, Montana State University; MA, California State University at Northridge; Speech Communication

Diane Brady
(2016)
Vice President of Administrative Services
BS, Pennsylvania State University; MS, Southern Illinois University

Don Carlson
(2016)
*Dean of Academic Services (SLPC)*BS, University of Nebraska at Omaha, History; MBA, University of Nebraska at Omaha

Kenneth G. Cooper
(1996)
Executive Director, Las Positas College Foundation
BA, University of California at Davis; African American & African Studies

Elizabeth David
(2018)
Dean of Students Services
BA, San Jose State University; MA, San Jose State University

Jason Jones, Ed.D.
(2018)
Director of Disabled Student Programs & Services
BA, California State University, Sacramento; MS, University of La Verne; Ed.D., Saint Mary's College of California

William L. Garcia
(2017)
Vice President of Student Services
BS, Georgetown University, MA, Santa Clara University

Stephen Gunderson
(2000)
Manager, College Technology Services
AA, Las Positas College; AS, Las Positas College; BS, Capella University

Nan Ho
(1995)
Dean of Academic Services (STEM)
BS, Biological Sciences, Stanford University; MS, Biological Sciences, Stanford University

Nessa Julian, Ed.D.
(2017)
Director of Student Equity and Success
BA, California State University, San Marcos; M.Ed., Azusa Pacific University; Ed.D., California State University, Fullerton

Amir A. Law, Ed.D.
(2017)
Dean of Academic Services (BHAWK)
BA, Concordia University-Irvine, English; MA, Concordia University-Irvine, Coaching and Athletic Administration; MBA, Concordia University-Irvine, Entrepreneurial Business; EdD, California State University, Fullerton, Educational Leadership

Angela Lopez
(2018)
Director, Child Development Center
BA, Saint Mary's College, Psychology/ Early Childhood Education; MA, JFK University, Consulting Psychology

Stuart J. McElderry
(2000)
Dean of Academic Services (A&H)
BA, University of California, Berkeley; MA, San Francisco State University; PhD, University of Oregon; History

Chad J. McMullen
(2018)
Public Safety Programs Manager
AA, West Hills College, Administration of Justice; AA, West Hills College, Social Science; BS, Kaplan University, Criminal Justice; MPA, Kaplan University

Rajinder S. Samra
(2011)
Director of Research, Planning, and Institutional Effectiveness
BA, University of California, Santa Cruz; MS, San Jose State University, Industrial/Organizational Psychology

Vicki Shipman
(2010)
Project Manager, Career Technical Education
BS, University of California at Davis, Environmental Economics; MBA, National University, Business

Tamica S. Ward, MBA
(2018)
Dean of Enrollment Services
BS, University of San Francisco, Finance; MBA, University of Phoenix, Business Administration

Faculty

Angela L. Amaya
(2008)
BA, College of St. Benedict; MLIS, San Jose State University; Librarian

Michael A. Ansell
(2002)
BS, California State University, Chico; MS University of Oregon; PhD, University of Oregon; Chemistry

Robert H. August, Jr.
(2001)
BS, Armstrong Atlantic State University; MS, Western Kentucky University; Mathematics; MFA, University of California, Davis; Acting

Erik O. Bell
(2015)
BS California State University, East Bay; MS Golden Gate University; Accounting

TeriAnn Bengiveno
(2001)
BA, San Jose State University; MA, San Jose State University; PhD, University of Hawaii; History

R. Toby Bielawski
(1999)
BA, Smith College; MA, Mills College; English

Howard L. Blumenfeld
(2008)
BA, University of California, San Diego; MA, San Diego State University; Mathematics

Segal M. Boaz
(2016)
BS, University of California, San Diego; MS, Sonoma State University; Biology

Jeremiah H. Bodnar (2007)	AA, Saddleback College; BA, University of California, Los Angeles; MA University of Chicago; Philosophy	Richard J. Dry (1999)	BA, University of California, Berkeley; MA, San Francisco State University; English
Ian J. Brekke (2015)	BA, California State University, Sacramento; MA, California State University, Long Beach; Music	Catherine M. Eagan (2003)	BA, University of California, Berkeley; PhD, Boston College; English
Jonathan D. Brickman (2006)	BA, University of Wisconsin; MA, San Francisco State University; English as a Second Language	Darcy F. Ernst (2017)	BS, University of California, Davis; PhD, University of California, Berkeley; Biology.
Angelo Bummer (2015)	BA Evergreen State College; MA, San Francisco State University; English	David R. Everett (2005)	VWT Coordinator; Viticulture and Winery Technology
Kimberly M. Burks (2016)	BS, San Francisco State University; MA, Saint Mary's College; Counseling	Lisa R. Everett (2000)	BS, University of California, San Diego; MS, San Francisco State University; Ed. D., San Francisco State University; Health
Jose D. Calderon (2016)	AA, Evergreen Valley College; BA, San Jose State University; MA, California State University, San Jose ; Counselor, Veterans First Program	Debbie J. Fields (1990)	AA, Penn State University; BS, Virginia Commonwealth University; MBA, Golden Gate University; Computer Information Systems
Jill E. Carbone (2006)	BA, University of California, Santa Cruz; MS, University of California, Davis; Biology	Carrie Jean Frates (2018)	BS, California State University, East Bay; MS, California State University, East Bay; Mathematics
Rajeev Chopra (2008)	BCOM, Guru Nanak Dev University, India; MCOM, Kurukshetra University, India; MS, California State University, Hayward; Business	Joel M. Gagnon (2011)	BA, University of California, Santa Barbara; MA, St. Mary's College of California; Counseling
Daniel G. Cearley (2017)	BA, San Jose State University; MA, San Francisco State University; Anthropology	Lyndale T. Garner (2017)	BA, California State University, Sacramento; MA, California State University, Sacramento; Early Childhood Education
Elena C. Cole (1997)	AA, Ohlone College; BA, University of California, Berkeley; MA, San Francisco State University; English	Justin C. Garoupa (2006)	BA, University of California, Davis; MFA, University of Alaska; English
Dr. Tracey Coleman (2018)	BS, University of LaVerne; MS, University of LaVerne; DM, University of Phoenix; Business	Heike Gecox (2011)	AA, Las Positas College; BA, California State University, Hayward; MS, California State University, Hayward; Counseling
Jason B. Craighead (2009)	AA, Santa Rosa Junior College; BS, UC Santa Barbara; MSS, United States Sports Academy; Physical Education/ Swimming Coach	James Giacomazzi (2015)	BS, University of California, Riverside; MA, California State University, San Jose; Kinesiology
Andrew C. Cumbo (2016)	BA, SUNY Plattsburgh; MS, Humboldt State University; Kinesiology	Rajan Gill (2018)	AA, Yuba College; BA, University of California, Davis; MA, University of California, Santa Cruz; History
Susan Cumbo (2018)	BS, Humboldt State University; MS Humboldt State University; Kinesiology	Kent Gomez (2016)	AA, Mission College; BA, California State University, Stanislaus; MS, California State University, San Francisco; Counseling
Moh Daoud (2002)	AS, College of San Mateo; BS, Ecole Nationale D'Electronique, Paris; Computer Information Systems	Michelle C. Gonzales (2005)	BA, Mills College; MFA, Mills College; English
Gabriela I. Discua (2014)	BA, California State University, Hayward; MS, San Francisco State University; Counseling	Jennie Graham (2013)	B.S. University of California, Davis; M.S. California State University, East Bay; Mathematics
James L. Dobson (2001)	AA. College of DuPage, Illinois; BS, Northern Arizona University; MA, California State University, Chico; Speech	Richard H. Grow (2006)	BS, California State University, Hayward; MS, California State University, San Francisco; PhD, University of California, Riverside; Chemistry

Brian J. Hagopian (2005)	AS, Fresno City College; Automotive Technology; BA, Ashford University; Organizational Management; CA Smog Instructor; ASE Master; GM World Class; Isuzu Master Elite	Melissa A. Korber (1999)	BA, Montana State University; JD, University of Pacific McGeorge School of Law; MA, San Francisco State University; English (Creative Writing); English/Mass Communications
Ruth L. Hanna (1991)	AA, Hartnell Community College; BS, University of California, Davis; MS, University of California, Davis; Geology	Peter Kuo (2015)	BFA, University of California, San Diego; Graphic Arts
Eric W. Harpell (1988)	BA, University of California, San Diego; MS, University of California, Los Angeles; Physics	Craig A. Kutil (2006)	BA, Humboldt State University (Liberal Studies); BA, Humboldt State University (Mathematics); MS, Humboldt State University; Mathematics
LaVaughn M. Hart (2000)	AA, Las Positas College; BA California State University, Sacramento; Computer Information Systems	Mary Lauffer (2017)	BA, Miami University; MA, University of New Mexico; Business
L.W. Hasten (2004)	BA, Brooklyn College; MA, Columbia University; Anthropology	Christina H. Lee (2006)	BA, University of California, Berkeley; MS, San Francisco State University; Counselor
Timothy D. Heisler (1995)	AA, Chabot College, Hayward; BA, California State University, Hayward; MA, California State University, Hayward; Speech	Keith B. Level (2007)	BS, Stanford University; MS, Stanford University; Engineering
Ann Hight (2013)	BA, University of California, San Diego; MA, San Jose State; PhD, University of California, Davis; Physiology	Marina M. Lira (2011)	AS, Santa Rosa Junior College; BA, Sonoma State University; MSW, University of California, Berkeley; Counseling
Akihiko Hirose (2015)	BA, University of Colorado; MA, University of Colorado; PhD, University of California, Riverside; Sociology	Titian Lish (2013)	BA, San Francisco State University; MA, San Francisco State University; Theater Arts
Deanna A. Horvath (2009)	BA, CSU East Bay; Photography	Ruchira Majumdar (2008)	BS, University of Calcutta; MS, University of Calcutta; PhD, Iowa State University; Mathematics
Jared N. Howard (2016)	AA, Chabot College; BA, University of California, Berkeley; MA, California State University, San Jose; Counseling	Daniel F. Marschak (2015)	BA, University of California, Los Angeles; MA, University of California, Los Angeles
Frances M. Hui (2000)	BA, San Diego State University; MLS, University of California, Los Angeles; Librarian	Julia I. McGurk (2014)	BA, California Polytechnic State University, San Luis Obispo; MA, California State University, Hayward; English as a Second Language
Tina E. Inzerilla, Ph.D. (2007)	AA, Chabot College; BS, California State University, Hayward; MLIS, San Jose State University; PhD, Queensland University of Technology; Librarian	Ashley D. McHale (2008)	BS, Elon University; MS, Texas Tech University; Mathematics
Joanna Tice Jen (2018)	BA, Wesleyan University; M. Phil, City University of New York; Ph.D., City University of New York; Political Science	Michael A. McQuiston (2018)	BA, Saint Mary's College of California; MAS, University of California, Irvine; Administration of Justice
Terry K. Johnson (1999)	Automotive Certification, College of Alameda; Automotive Technician Program, Chabot/Las Positas College; ASE Master Technician; CA Smog Instructor	Scott A. Miner (2006)	AA, Chabot College-Valley Campus; BS, California Polytechnic State University; Materials Engineering
Irena Keller (2018)	BA, Haifa University; MA, Haifa University; PhD, UC Berkeley; Psychology	Jason M. Morris (2001)	BA, University of Texas; MA, University of New Mexico; Mathematics
William J. Komanetsky (2015)	BS Washington University; MS California State University, Chico; Computer Science	Dana Nakase (2018)	BS, University of California, Santa Barbara; MS, Arizona State University; Biology
		Martin J. Nash (2009)	BA, Kansas State University; MFA, California College of the Arts; English
		Maureen P. O'Herin (2003)	BA, St. Mary's College; MA, San Francisco State University; English

Alain Olavarrieta (2018)	BA, University of California, Los Angeles; MS, California State University, Northridge; Mathematics	Paul Sapsford (2014)	B.Sc., University of Surrey; PGCE Physical Education, University of Exeter; MA, Saint Mary's College; Kinesiology
Jill R. Oliveira (2014)	BA, California State University, Chico; MS, California State University, Hayward; Counselor	Michael R. Sato (2002)	BA, University of California, Santa Cruz; MA, California State University, Sacramento; English
Thomas M. Orf (2005)	BA, University of Northern Colorado; MS, University of Northern Colorado; PhD, University of Kentucky; Geography	Colin G. Schatz (2008)	BA, Swarthmore College; MS, Stanford University; Ph.D., Stanford University; Computer Science
Jim Ott (2013)	AA, West Valley College; BA San Jose State; MA, San Jose State; EdD, St. Mary's College of California; English	Michael J. Schwarz (2006)	AA, Santa Rosa Junior College; AB, University of California, Davis; MA, University of San Diego; Ph.D., Indiana University; Counselor
Elizabeth Owens (2015)	AS, college of the Sequoias; BS, California Polytechnic State University, San Luis Obispo; MS, University of California, Merced; Mathematics	Michal I. Shuldman (2015)	BA, Vassar College; MA University of California, Davis; PhD, University of California, Berkeley; Biology
Leslie L. Payne (2018)	BA, University of California, Davis; MA, California State University, East Bay; English as a Second Language	German Sierra (2018)	AS, Foothill College; Fire Technology
Andrew Patterson (2018)	AA, City College of San Francisco; BS, California State University, East Bay; MBA, California State University, East Bay; Business	Bhairav Singh (2015)	BA, Princeton University; Ph.D., Massachusetts Institute of Technology; Mathematics
Michael H. Peterson (2015)	BA Stanford University; BS, Stanford University; MS, Stanford University; Mathematics	Karin S. Spirn (2005)	BA, University of California, Berkeley; MA, University of Michigan; PhD, University of Michigan; English
David J. Powers (2016)	BS, California State University, Hayward; MS, California State University, Hayward; Mathematics	Catherine A. Suárez (2006)	BA, University of the Pacific; ME, University of the Pacific; Foreign Languages
Robin Rehagen (2015)	BA, University of California, Berkeley; MS, University of California, Los Angeles; PhD, University of California, Los Angeles; Physics	Meghan C. Swanson-Garoupa (2015)	AA, Las Positas College; BA University of California, Santa Barbara; MA, California State University, East Bay; English
Kali A. Rippl (2015)	BA, San Francisco State University; MLIS, University of Wisconsin; Library and Information Science	Nadiyah Taylor (2009)	BA, Macalester College; MA, Pacific Oaks College; Early Childhood Development
Cecelia A. Browne Rosefield (2006)	AA, Los Medanos College; BA, California State University, Hayward; MA, Washington State University; Music	Sarah K. Thompson (1996)	BA, Hamilton College; MA, Rutgers University; Sociology
John J. Rosen (2016)	BA, University of California; MA, San Francisco State University; PhD, University of Illinois at Chicago; History	Collin Thormoto (2018)	BA, California State University, Hayward; MLIS, California State University, San Jose; Library
Robin E. Roy (2008)	BA, Connecticut College; MS, Old Dominion University; PhD, University of Vermont; Psychology	Kimberly A. Tomlinson (2001)	BA, University of Minnesota; MA Luther Theological Seminary, St. Paul; CalWORKS, Religious Studies
John D. Ruys (2006)	BS, University of California, Davis; MS, University of California, Davis; PhD, University of California, Davis; Psychology	Paul S. Torres (2001)	AA, DeAnza College; BA, San Jose State University; MA, University of California, Riverside; Political Science
		Jin Tsubota (2018)	BS, University of California, San Diego; MFA, University of Pennsylvania; ME, Stanford University; Tutoring
		Kisha E. Turner (2016)	BA, University of California, Los Angeles; MA, California State University, Dominguez Hills; English

Sheena M. Turner-August (2016)	BA, University of Southern California; MA, Pepperdine University; PhD California School of Professional Psychology at Alliant International University; Psychology
Rafael A. Valle (2014)	BS, San Francisco State University; MS Capella University; Counseling
Angella VenJohn (1999)	BS, University of Iowa; MA, California State University, Sacramento; Student Interventions Counselor
Marsha A. Vernoga (2014)	BS, California Polytechnic State University, San Luis Obispo; RD, California State University, San Francisco; MS, California State University, Chico; Nutrition
David E. Wagner (2016)	BA, California Polytechnic University, San Luis Obispo; BFA, California College of the Arts; MFA, The New York Academy of Art; Studio Art
Grazyna “Gina” Webster (2005)	BS, Agricultural University of Warsaw; MS, Agricultural University of Warsaw; MS, University of California, Berkeley; PhD, University of California, Berkeley; Economics
Elizabeth A. Wing Brooks (2016)	BA, University of San Francisco; MA, University of Cincinnati, Spanish; PhD, University of California, Davis; Comparative Literature
Sebastian Wong (2017)	B.A. University of California at Berkeley – Physiology, EMT-P Certificate - City College of San Francisco, John Adams Campus
Kristine W. Woods (2003)	BS, Willamette University; MA, California State University, Hayward; Mathematics
Ashley J. Young (2016)	BA, University of California, Berkeley; MA, California State University, East Bay; Mathematics
Michelle D. Zapata (2014)	BA, University of California, Berkeley; MPA, University of Washington; MA, Saint Mary’s College; Counseling
Barbara C. Zingg (1997)	BS AKAD, Zurich; DVM, University of Berne; PhD, University of California, Davis; Biology

Past Presidents

Barbara Adams	1990-1993
Susan Cota	1993-2001
Karen Halliday	2002-2007
DeRionne Pollard	2008-2010
Kevin Walthers	2011-2013
Barry Russell	2013-2018

Emeriti

Trustees Emeriti

Edward E. Martins	1962-1967
William A. Tenney	1961-1967
Fredrick T. Sullivan	1961-1971
James S. Martin	1969-1975
Ann H. Duncan	1971-1984
E.J. “Jay” Chinn	1961-1985
L. Arthur Van Etten	1961-1985
Dorothy S. Hudgins	1967-1987
Lawrence R. Jarvis	1975-1987
Margaret R. Wiedman	1977-1989
Fred M. Duman	1967-1991
Elva Cooper	1987-1996
Linda M. Tangren	1989-1998
Barry L. Schrader	1987-2000
Gary R. Craig	1985-2005
Alison S. Lewis, Ph.D	1991-2008
Barbara F. Mertes, Ph.D	2000-2015
Arnulfo Cedillo, Ed.D	1985-2017
Isobel F. Dvorsky	1985-2018
Carlo Vecchiarelli	2004-2019

Las Positas Emeriti

Byford H. Scott Instructor	1962-1979
Stuart J. Inglis Instructor	1965-1984
Georgia E. Owens Instructor	1964-1985
Virginia I. Maccrossen Admissions and Records Clerk II	1973-1986
Hal Lubin Instructor	1961-1988
Marjorie R. O’Leary Executive Secretary	1971-1989
George Anna Tow Counselor/Instructor	1975-1989
Gerald D. Friedel Instructor	1967-1991
Irving Batz Dean of Student Services	1968-1991
Donald V. Nilsen Instructor	1974-1991
Faye L. Gleason Secretary I	1980-1991

John T. Healey Instructor	1966-1992	LaVere H. Adams Instructor	1980-2000
Louie C. Abaitua Assistant Maintenance Supervisor	1972-1992	Esther S. Goldberg Instructor	1970-2001
John R. Rodriguez Grounds Technician	1965-1993	Victor G. Willits Instructor	1986-2001
Joan M. Campanile Secretary to the President	1966-1993	Janice E. Winegarner Student/Staff Liaison, Office Specialist/Secretary II	1990-2001
Margaret C. Emery Instructor	1975-1993	Arthur S. Deleray Instructor	1970-2002
Elizabeth E. Inglis Instructional Assistant II	1976-1993	Robert J. Wood Instructor	1970-2002
John William Rath Dean of Academic Services	1984-1993	Dee D. Roshong Dean of Student Services	1965-2003
Mason C. Layman Counselor/Instructor	1975-1994	Aileen T. Furuyama Librarian	1992-2003
William H. Cox Lead Custodian	1984-1994	Juliette A. Bryson Instructor	1971-2004
Juanita R. Focha Instructor	1967-1995	Anne M. Powell Instructor	1974-2004
Edward G. Cates Instructor	1970-1995	Carol E. Clough Instructor	1977-2004
Jerald T. Ball Instructor	1964-1996	Carol L. Abert Instructional Assistant II	1979-2004
Robert E. Dahl Instructor	1967-1996	Alene H. Hamilton Counselor/Instructor	1980-2004
Janice M. Albert Instructor	1962-1979	Jane E. Benham Instructional Assistant II	1989-2004
Patricia J. Richmond Counselor Assistant I	1979-1997	Walter T. Mara Instructor	1984-2004
Joan H. Long Instructor	1989-1997	Richard I. Solomon Instructor	1991-2004
Lola Bermudez Acting Dean, Academics Services	1981-1997	Donald R. Milanese Vice President of Academic Services	1970-2005
Phillip "Babe" M. Castillo Assistant Custodial Supervisor	1962-1998	James H. Adams Science Education Technician	1979-2005
Robert P. Dickinson, Jr. Instructor	1977-1998	Ronald E. Liljedahl Instructor	1980-2005
Joan D. Newsom Cashier/Buyer Bookstore	1981-1998	Connie A. Bish Instructional Assistant II	1982-2005
Barry J. Deadder Security Supervisor	1982-1998	James L. Landre Instructor	1982-2005
Ruth S. Feldman Instructor	1969-1999	Gary F. Svihula Instructor	1982-2005
David A. Wright Instructor	1965-1999	Margaret E. Riley Instructor	1985-2005
Karen O. Albertson Instructional Computer Laboratory Specialist	1981-1999	William R. Dunn Instructor	1987-2005
Linda L. Lucas Dean of Academic Services	1969-2000	Sharon A. Cadwalader Executive Assistant to the President	1986-2005

Alice Y. Kwan Admissions and Records Assistant II	1988-2005	Abigail McCann Instructor	1990-2009
William McCarthy Security Officer	1990-2005	Donna J. Impey Instructional Assistant II	1991-2009
Denise Van Horn-Landre Articulation Officer	1995-2005	Sharon R. Keick Custodial Supervisor	1992-2009
Maria Elena Pellinen Instructor	1975-2006	Alice M. Moyer Instructional Assistant II	1992-2009
Arthur S. Tenbrink Counselor/Instructor	1980-2006	Martha L. Peterson Accompanist	1996-2009
Lucy A. Sponsler Instructor	1991-2006	Gale “Jackie” Fitzgerald Instructor	1997-2009
Eric Golanty Instructor	1993-2006	Margaret Egan Counselor Assistant I	1999-2009
Peggy C. Carter Librarian	1989-2007	Ken Ross Instructor	1990-2009
James A.R. Forcier Instructor	1976-2007	Richard D. Butler Director of Safety & Security	1999-2010
Lettie J. Camp Career/Transfer/Employment Coordinator	1979-2007	Nancy Wright Counselor	2000-2010
Barbara W. Hardy Librarian	1988-2007	Dale Boercker Instructor	1988-2011
Sharron L. Dupree International Admissions Specialist	1993-2007	Martha K. Konrad Executive Assistant	1991-2011
Judith K. Hanson Academic Services Specialist II	1988-2007	Mary E. Campbell Instructor	1990-2011
Keith E. Jolly Instructor	1984-2008	Judy Martinez Staff Assistant	1997-2011
Robert F. Breuer Instructor	1990-2008	Philip Manwell Dean of Academic Services	1997-2011
Patrick L. Pohl Instructor	1971-2009	Leslie Gravino Work Based Learning Program Coordinator	1998-2012
Linda L. Peifer Administrative Assistant II	1975 -2009	Connie Reding Staff Assistant	1995-2012
Sophie C. Rheinheimer Instructor	1975-2009	Carolyn I. Smutny Staff Assistant	2002-2012
Steven E. Bundy Counselor/Instructor	1976-2009	Neal M. Ely Dean, Academic Services	1998-2013
Karen B. Pihl Instructor	1976-2009	Saundra L. Ashburn Telephone Operator/Receptionist	2000-2014
David B. Vigil Laboratory Technician IV	1980-2009	Lawrence F. Aguiar Instructor	1977-2014
James B. Heiner Instructor	1981-2009	Cynthia W. Ross Instructor	2001-2014
Mary Straight Assessment Specialist	1984-2009	Cheryl Warren Librarian	2004-2014
Lindell R. Bruce Instructor	1985-2009	John S. Gonder Instructor	2002-2015
Theresa M. Costa Student Counseling Assistant I	1990-2009	Donna S. Hawkinson Student Counseling Assistant II	1998-2015

Theodore K. Kaye Executive Director, College Foundation	2004-2015
Cynthia M. Keune Instructor	2004-2015
Jane C. McCoy Instructor	1994-2015
Geoffrey C. Smyth Instructor	1990-2015
Randolph J. Taylor Instructor	1990-2015
Gilberto N. Victoria Counselor	1995-2015
Jeanne M. Virgilio ECD Professional Development Coordinator	2001-2015
Candace L. Klaschus Instructor	2005-2016
Carmen L. McCauley Senior Administrative Assistant	1993-2016
Karin Rose Senior Administrative Assistant	2006-2016
Cynthia A. Ahre Senior Instructional Assistant	1980-2017
Carolyn S. Baranouskas Instructor	1990-2017
Janice A. Cantua Admissions & Records Assistant III	1995-2017
Gregory T. Daubenmire Instructor	2000-2017
Gerry L. Gire Laboratory Coordinator	2005-2017
Teresa G. Henson Instructor	2000-2017
Marilyn M. Marquis Instructor	1991-2017
Barbara J. Morrissey Dean	1991-2017
Brian H. Owyong Counselor/Instructor	1997-2017
Zina L. Rosen-Simon Instructor	2001-2017
Janet Brehe-Johnson Instructor	1986-2018
Deborah G. Earney Admissions and Records Assistant II	1984-2018
James J. Gioia Instructor	2001-2018
Constance F. Hildebrand Counselor Assistant I	2001-2018
Ronald J. Johansen Instructor	2005-2018

Ernest D. Jones Instructor	1991-2018
Steven J. Navarro Instructor	1995-2018
Virginia P. Ripplinger Senior Administrative Assistant	1982-2018
Paula M. Schoenecker Instructor	2008-2018
Mark S. Tarte Instructor	2002-2018
Lisa T. Weaver Instructor	2004-2018
Sylvia R. Wodyka Dean, Student Services- Enrollment	1994-2018
Colin G. Schatz Instructor	2008-2018
Carol Edson Laboratory Technician	2008-2019

Classified Professionals

Las Positas College

Evelyn P. Andrews	Veterans Specialist
Marguerite L. Alvarez	Veterans Specialist
Miguel A. Alvarez	Outreach Specialist
Adria L Anderson-Kelly	Administrative Assistant, Admissions and Records
John M. Armstrong	Student Records Evaluator
Kathleen A. Aubel	Admissions & Records Assistant II
Cynthia J. Balero	Program Coordinator-International Students
Valerie Ball	Senior Administrative Assistant
Haywood Beaird	Computer Network Support Specialist II
Anna M. Belaustegui	Instructional Assistant, Math
Josefina Bolufer Cervero	Laboratory Technician
Jesus Bravo-Morales	Degree Audit/Student Education Planning System Coordinator
Melissa J. Brown	Counselor Assistant II
Jeff W Burns	Security Officer
Wanda L. Butterly	Instructional Technology Specialist
Fernando Calzada	Computer/Network Specialist II
Neil P. Carey	Instructional Assistant
Lucciana D. Caselli	Laboratory Technician
Angelica D. Cazarez	Senior Administrative Assistant, President's Office
Barbara A. Chavez	Admissions & Records Assistant II
Lina Chea	Laboratory Technician

Linda R. Cross	Senior Administrative Assistant	Sheri L. Moore	Executive Assistant, College President
Frankie L. Danner	Security Communications Dispatch	Cheri Morrell	Instructional Assistant II
Terri L. Danner	Counselor Assistant II	Jessica L. Neideffer	Library Technician
Sharon A. Davidson	Administrative Services Technician	Phat Minh Nguyen Le	Senior Administrative Assistant
Sean P. Day	International Admissions Specialist	Carmen M. Ortiz	Early Childhood Specialist
Joseph A. Dazhan	Security Officer	Denise R. Paltan	Executive Assistant, Administrative Services
Ana M. Del Aguila	Early Childhood Development Professional Development Coordinator	Maria E. Pena-Bradford	Admissions and Records Assistant II
Stella M. Del Rosario	Senior Instructional Assistant, English	Lydia E. Penaflor	Financial Aid Advisor III
Frances M. DeNisco	Program Coordinator Community Ed	Samantha Isabelle Portea	Laboratory Technician
Danielle R. Donohoe	Counselor Assistant II	Sean I. Prather	Security Supervisor
Timothy J. Druley	Webmaster	Teresita C. Rabon	Telephone Operator/Receptionist
William S. Eddy	Physical Ed/Athletics Assistant	Kristian D. Raymo	Senior Administrative Assistant, Enrollment Services
Virginia F. Edwards	Library Technician	Donna G. Reed	Assessment Specialist
Ana M. Espana	Counselor Assistant I	Amy Rel	Financial Aid Advisor II
Jennifer L. Farber	Instructional Assistant II	Mike J. Rinaldi	Technical Theater-Performing Arts Instructional Specialist
Starlynn L. Ferguson	Student Records Evaluator	Cindy M. Robinson	Counselor Assistant I
Michael T. Furuyama	Computer/Network Support Specialist II	J. David Rodriguez	Research Analyst
Megan C. Garcia	Instructional Assistant	Paula S. Rose	Senior Instructional Assistant
Hakim Ghiassy	Security Officer	Thomas D. Rothman	Admissions and Records Assistant I
Mary E. Hargiss	Administrative Assistant II	Celestine L. Rowe-Smith	Senior Counselor Assistant
Kathy J. Harris	Senior Administrative Assistant	Loida C. Sarcia	Library Technician
Alesia High	Accounting Technician	Jocelyn M. Santos	Student Records Evaluator
Carolyn A. Hillyer	Laboratory Technician	Hermina Sarkis-Kelly	Instructional Assistant II
Christine E Hornbaker	Instructional Systems Technician	Andi P. Schreiberman	Financial Aid Officer
Amanda Ingold	Program Coordinator – CalWORKs	Carolyn Y. Scott	Executive Assistant, Vice President Academic Services
Ralitsa K. Ivanova Olsson	Senior Administrative Assistant	Rifka J. Several	Senior Administrative Assistant
Jamila Jabbar-Mahmood	Financial Aid Advisor II	Henry Smith	Security Officer
Gregory S. Johns	Instructional Computer Lab Specialist	Todd A. Steffan	Veterans Program Coordinator
Larysa V. Karpylovych	Instructional Assistant II	Michael S. Sugi	Instructional Systems Technician
Diana N. Kleinschmidt	Library Services Specialist	Wais Sultan	Security Officer
Michelle L. Kumamoto	Instructional Assistant, Math	Terrance M. Thompson	Workability III Employment Dev
Natasha R. Lang	College Admin Services Officer	Marcus W. Thompson	Instructional Assistant II
Jeffrey T. Lawes	Admissions & Records Assistant III	Julie C. Thornburg	Executive Assistant, Vice President Student Services
Anela L. Le Cara	Athletic Trainer	Virginia M. Tsubamoto	Early Childhood Specialist
David D. Lee	Computer/Network Specialist II	Heidi Ulrech-Bedker	Telecommunications Coordinator
Jadin Lee-Forbes	Telephone Operator/Receptionist	Daysi A. Valle	Financial Aid Systems Coordinator
Sherman Lindsey	Instructional Systems Specialist	Scott A. Vigallon	Instructional Technology/Open Learning Coordinator
Andrew P. Lozano	Laboratory Technician	Jared T. Watanabe	Physical Education/Athletics Assistant
Theresa L. Mailander	Early Childhood Specialist		
Kauhleen R. Mangayan	Lab Technician, Biology/Chemistry		
Andrea M Migliaccio	Curriculum & Scheduling Specialist II		

James D. Weston	Senior Laboratory Technician
Madeline K Wiest	Curriculum & SLO Specialist
Gary D. Wilkes	Laboratory Coordinator, Biology and Chemistry
Karen M. Zeigler	Alternative Media Tech Specialist

Chabot-Las Positas Community College District

Alvin B. Ablaza	Lead Custodian
Kennedy P. Agustin	Manager, Network Systems and Services
Rodolfo V. Apostol	Custodian I
Pamela J. Bracy	Custodian I
Ed Antonio F. Erestrain	Custodian I
Stacey L. Followill	Senior Programmer Analyst II
Gregory P. Fulsom	Custodian
Catherine A. Gould	Senior Programmer Analyst III
Rosa S. Hempel	Custodian
Theresa A Hirstein	Computer Operations Supervisor
Liem T. Huynh	Programmer Analyst II
Michael R. Miller	Maintenance Supervisor
Steven J. McGervey	Network Systems Specialist II
Federico F. Napagao	Custodian
Karen G. Pena	Admin Systems Analyst II
Jose R. Perez Hernandez	Grounds Worker I
Amanda M. Pisani	Admin Systems Analyst I
Pongpant Pungchai	Programmer Analyst II
Walter A. Rexroad	Lead Grounds Worker
Rodney L. Ribali	Grounds Supervisor
Raymond G. Salas	Lead Warehouse Worker
Darrick L. Spencer	Custodian
Revoyda Starling	Network Systems Specialist
Eric V. Stricklen	Senior Programmer Analyst III
Katherine L. Tollefsen	User Support Specialist
Danita A. Troche	Senior Programmer Analyst II
Rachel A. Ugale	Admin Systems Analyst II
Gonzalo R. Valencia	Custodial Supervisor

Las Positas College Bookstore

Nolan Howe	Manager
Rachel Harvey	Course Materials Manager

Las Positas College Health Center

Tricia Gonsman	Director Health and Wellness Services, Nurse Practitioner
Monica Clifford	Medical Assistant
Jaime Gano	Health and Wellness Services Program Assistant
Heike Gecox MFT	Mental Health Clinical Supervisor

Las Positas College Foundation

Board Officers

Marti Sutton , Chair Community Leader
Lori Souza , Vice Chair – Events LLNL Executive - Retired
Eduardo Salaz , Vice Chair - Board Development Saint Mary's College- Retired
Jim Ott , Ed.D., Treasurer, Founding Member English Department Faculty
Roanna Bennie , Secretary Interim President

Board Members

Charles Crohare , Heritage Bank of Commerce
Ralph Kokka , Attorney at Law, Patton & Sullivan LLP
Donald Lancaster , Lancaster Law Group
Janet McCalmont-Ontano , Kaiser Foundation Hospitals
Bethany McCormick , Lawrence Livermore National Laboratories
Kayla Norris , Sandia National Laboratories
Lecia Roundtree , VP, Premier One Credit Union
Lynn Seppala , PhD, Founding Member
Gavin Shea , Wells Fargo

Staff

Kenneth G. Cooper Executive Officer Las Positas College Foundation
Rifka Seval Senior Administrative Assistant Las Positas College Foundation

Index

A

AB 540 Students and Financial Aid	16
Academic Calendar	ii
Academic Counseling	24
Academic Freedom	4
Academic Grade Point Average	37
Academic Honesty Statement	32
Academic Probation and Dismissal	39
Academic Regulations	36
Academic Renewal	38
Academic Services Support	21
Academic Standards	36
Access To Buildings	28
Additional Transfer Information	58
Administration	2
Administration of Justice	64
Admission Policies and Procedures	7
Admissions and Records	7
Adult Education Program	22
Advanced Placement (AP) Examinations	40
American Sign Language	68
Americans with Disabilities Act	34
Anthropology	68
Appeal Process	39
Art	72
Art History	76
Assessment	24
Associate Degree for Transfer (AD-T)	45
Associate Degrees	45
Astronomy	77
Attendance Requirements	36
Automotive Technology	78

B

Biological Sciences	82
Business	87

C

Cal Grants	16
------------------	----

California Dream Act	16
California State University (CSU)	54
Campus Resources	27
Campus Safety and Security	27
Career and Transfer Services	24
Career Counseling	24
Career Education	23
Certificate of Accomplishment	52
Certificate of Achievement	52
Certificate of Competency	52
Certificate of Completion	52
Chabot-Las Positas Community College District	2
Changes in Rules and Policies	6
Chemistry	97
Classified Professionals	289
Collection Policy	14
College Bookstore	27
College-Level Examination Program (CLEP)	40
College Property	27
Communication Studies	99
Communication via Zonemail Account	10
Community Education	23
Computer Center	22
Computer Information Systems	102
Computer Networking Technology	110
Computer Science	117
Contract Education	23
Core Services	9
Counseling Services	24
Course Conflict / Course Overlap	11
Course Prerequisites	11
Course Registration Procedures	10
Course Repetition: Special Circumstances	13
Course Restrictions for Certification	20
Credit-by-Examination (Individual Student Application)	39
Crime Prevention	27
Crime Statistics/ Clery Act Disclosure/ Annual Security Report (ASR)	30

D

Dance	121
Degrees and Certificates	50

Dependents of Veterans20
 Directory1
 Directory of Resources for Financial Aid.....18
 Directory of Resources for Veterans21
 Disability34
 Disabled Student Programs and Services (DSPS)25
 Distance Education23
 Drug Free Environment and Prevention Program28
 Drug-Free Workplace34

E

Early Care and education122
 Economics130
 Eligibility for Programs20
 Emergency Call Boxes28
 Emergency Medical Services131
 Emergency Notification28
 Emergency Procedures28
 Emeriti.....286
 Employment Services.....25
 Engineering135
 Engineering Technology.....26
 English.....137
 English as a Second Language22
 English as a Second Language142
 Enrollment Fee Refund14
 Enrollment Limits10
 Environmental Science145
 Environmental Studies145
 Evaluation of Prior Education and Training.....19
 Examinations and Evaluations.....36
 Excessive Absence36
 Excused Withdrawal.....12
 Exemption from Nonresident Tuition13
 Exemptions to Completing Core Services9
 Extended Opportunity Programs25
 External Scholarship List.....17

F

Faculty.....282
 Faculty Office Hours36
 Failure to Pay.....13

Family Educational Rights and Privacy Act35
 Federal Direct Student Loans (Subsidized and Unsubsidized)16
 Federal Pell Grants and SEOG Grants15
 Federal Workstudy16
 Fees and Tuition13
 Financial Aid15
 Fire Service Technology.....147
 First Aid27
 French.....152

G

Gateway to Success (G2S)26
 Geography152
 Geology154
 Global Studies157
 Grade Change Deadline Period.....38
 Grade Points38
 Grades36
 Graphic Design & Digital Media158

H

Harassment and Sexual Harassment34
 Hazing.....35
 Health.....164
 High School/ROP/Adult School Articulation23
 High Tech Center.....25
 History166
 History of the College3
 Honor Societies30
 Honors Transfer Program22
 Horticulture168
 Housing.....27
 Humanities.....172

I

Independent Study.....22, 174
 Institutional Accreditation.....5
 Institutional Goals.....4
 Institutional Planning4
 Institutional Student Learning Outcomes5
 Instructor’s Withdrawal Option12
 Integrated Learning Center (ILC)22

Intercollegiate Athletics	31	Noncredit Horticulture	228
Interior Design	174	Noncredit Mathematics	229
International Baccalaureate (IB) Examinations	40	Noncredit Tutoring.....	234
International Student Tuition.....	13	Nonresident Tuition	13
Internet Access	6	Notice of Unsatisfactory Work (Early Alert)	39
Italian	176	Numbering System	59
K		Nutrition	235
Key to Course Information.....	59	O	
Kinesiology.....	176	Occupational Safety and Health	236
L		Ombuds.....	32
Las Positas College Campus Map	I-5	Online Counseling.....	24
Las Positas College General Education.....	5	Open Enrollment.....	10
Las Positas College Mission Statement	4	P	
Las Positas College Student Government	30	Parking	28
Las Positas Scholarship Program	17	Parking Permit Fees	14
Learning Communities	26	Parking Permits	28
Liberal Arts and Sciences.....	193	Pass/No Pass Grades.....	37
Library (Learning Resources Center, LRC).....	21	Past Presidents	286
Library Studies	200	Payment Methods.....	14
Limitation on Unit Load	11	Performing Arts.....	31
Lost And Found	28	Personal Counseling.....	24
M		Pets On Campus	28
Marketing.....	201	Philosophy	239
Mass Communications.....	203	Photography	241
Mathematics	210	Physics	244
Mathematics Learning Center.....	22	Political Science	246
Math Emporium.....	210	Posting of Materials	35
Medical Emergencies On Campus	27	Prerequisites.....	59
Military Withdrawal.....	12	Print Fee Card	14
Multiple Measures	24	Priority File Completion Deadlines	15
Music.....	216	Privacy Rights of Students.....	35
N		Programmatic Accreditation.....	5
Naked Magazine.....	31	Progress Probation and Dismissal.....	39
New Student Orientation and Program Planning Session	24	Psychology	247
Non-Discrimination Policy (Age).....	34	Psychology-Counseling	249
Noncredit Computer Information Systems.....	225	Public Transportation	27
Noncredit English	225	Puente Project	26
Noncredit English as a Second Language	226	R	
		Radiation Safety	252

Radio LPC.....	30
Reading and Writing (RAW) Center.....	22
Registration	10
Religious Studies	252
Removal of Disruptive Students	36
Removal of Poor Academic Status	39
Removal of Poor Progress Status.....	39
Repeating a Course.....	12
Reporting Absence	36
Request for Course Substitution or Waiver of Program Requirement	11
S	
Safety Escort Services	29
Satisfactory Academic Progress Policy	17
Scholastic Honors	38
Scholastic Standards	39
Secret Organizations.....	35
Section 508 of the Rehabilitation Act.....	34
Semester Units	59
Sex Offender Registry.....	29
Smoking Policy.....	34
Social Activities	30
Sociology	253
Spanish	255
Special Academic Programs	22
Speech and Debate Team	31
Speech: Time, Place, and Manner	35
Standards of Student Conduct.....	33
Statement for Non-Sworn Officers	29
Statement of Compliance	6
Statement Of Enforcement Authority.....	29
State Supported Programs	25
Student Clubs and Inter-Club Council.....	30
Student Conduct	33
Student Discipline Procedures	33
Student Grievance Procedures	32
Student Health and Wellness Center.....	27
Student Learning Outcomes.....	5
Student Life	30
Student Rights & Responsibilities.....	31

T

Tax Benefits for Education	14
Theater Arts	256
The Express Newspaper	30
Title IX.....	29
Total Withdrawal	11
Transfer Preparation	53
Transfer to a Baccalaureate College or University.....	53
Transfer Services.....	58
Tutorial Center	22
Tutoring.....	262

U

Umoja	26
University of California (UC).....	58
University Transfer	262
Use of Electronic Recorders.....	36

V

Values Statement.....	4
Veterans Access, Choice and Accountability Act (VACA).....	19
Veterans Benefits Eligibility for Certificate Programs.....	19
Veterans Educational Benefits	18
Veterans First Program	18
Vision Statement.....	4
Visitor Parking.....	28
Visitors.....	34
Viticulture & Winery Technology.....	270

W

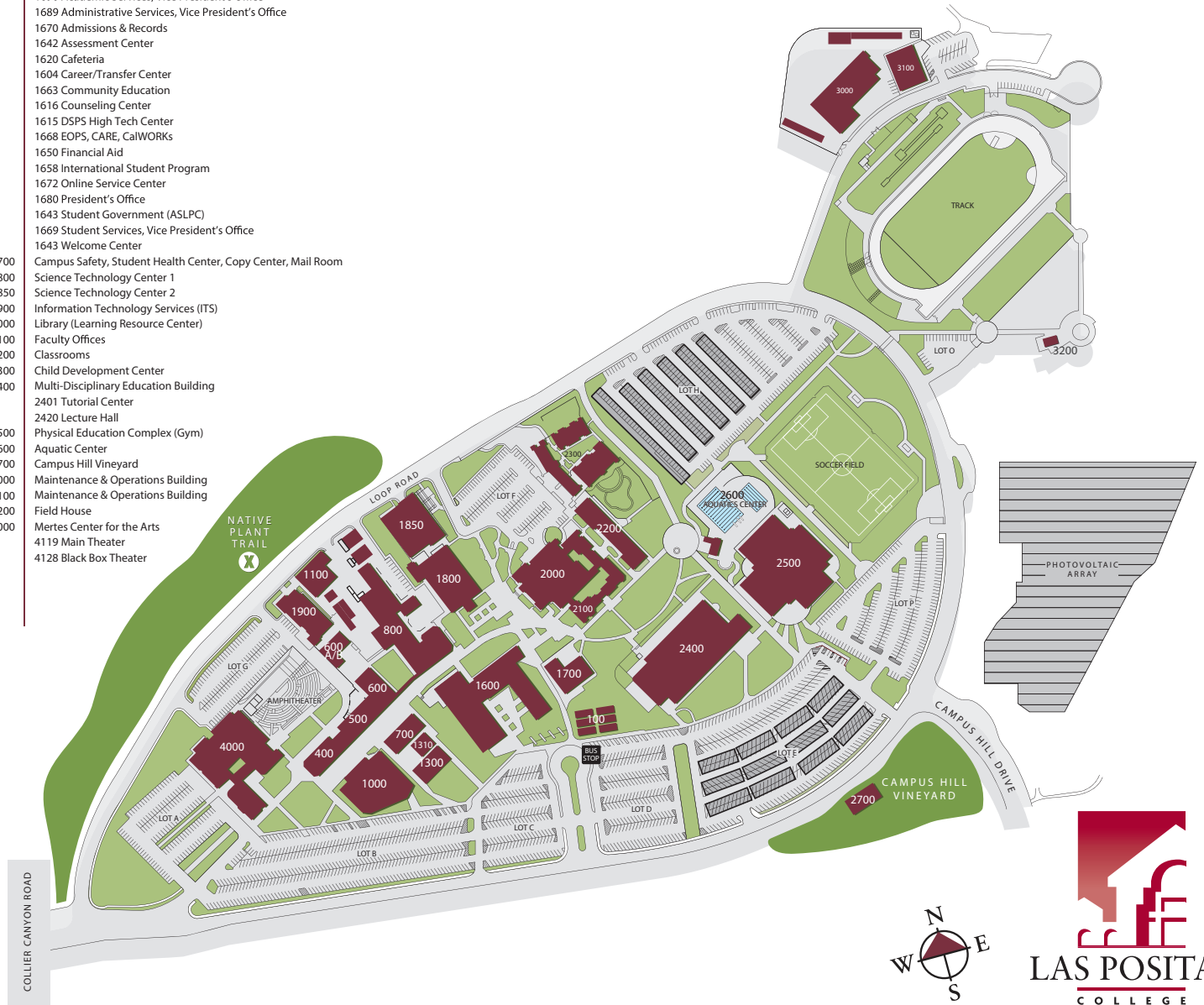
Waitlist	11
Weapons Policy.....	29
Web Accessibility.....	25
Welding Technology.....	275
Withdrawing from Classes	11
Women’s Studies.....	280
Work-Based Learning Program	22
Work Experience	280

LAS POSITAS COLLEGE CAMPUS MAP

3000 Campus Hill Drive, Livermore, CA 94551 • www.laspositascollege.edu

KEY TO BUILDINGS

- 100 Classrooms
- 400 English Classrooms & Lab
- 500 Fine Arts
- 600 Classrooms, ILC (Integrated Learning Center), Open Math Lab
- 600 A/B Fire Service Technology Training
- 700 Visual Communications, Photography Studio, Computer Lab
- 800 Lecture Hall, Computer Labs, Auto & Welding Labs, Smog Referee Center, Horticulture Viticulture, Garden Classrooms, Greenhouse
- 1000 Classroom Building
- 1100 Central Utility Plant
- 1300 Bookstore
- 1310 Veterans Resource Center
- 1600 Student Services & Administration Building
- 1690 Academic Services, Vice President's Office
- 1689 Administrative Services, Vice President's Office
- 1670 Admissions & Records
- 1642 Assessment Center
- 1620 Cafeteria
- 1604 Career/Transfer Center
- 1663 Community Education
- 1616 Counseling Center
- 1615 DSPS High Tech Center
- 1668 EOPS, CARE, CalWORKs
- 1650 Financial Aid
- 1658 International Student Program
- 1672 Online Service Center
- 1680 President's Office
- 1643 Student Government (ASLPC)
- 1669 Student Services, Vice President's Office
- 1643 Welcome Center
- 1700 Campus Safety, Student Health Center, Copy Center, Mail Room
- 1800 Science Technology Center 1
- 1850 Science Technology Center 2
- 1900 Information Technology Services (ITS)
- 2000 Library (Learning Resource Center)
- 2100 Faculty Offices
- 2200 Classrooms
- 2300 Child Development Center
- 2400 Multi-Disciplinary Education Building
- 2401 Tutorial Center
- 2420 Lecture Hall
- 2500 Physical Education Complex (Gym)
- 2600 Aquatic Center
- 2700 Campus Hill Vineyard
- 3000 Maintenance & Operations Building
- 3100 Maintenance & Operations Building
- 3200 Field House
- 4000 Mertes Center for the Arts
- 4119 Main Theater
- 4128 Black Box Theater





3000 Campus Hill Drive
Livermore, CA 94551 • 925.424.1000
www.laspositascollege.edu