

**LAS POSITAS COLLEGE
ACADEMIC CATALOG
2018-2019**





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 hungry 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

ACADEMIC CALENDAR

FALL 2018 SEMESTER

August 20	Regular Full-Term Instruction Begins
September 1	Labor Day Weekend- No Saturday Classes
September 3*	Labor Day- No Instruction
November 12*	Veterans Day- No Instruction
November 21-23*	Thanksgiving Recess- No Instruction
November 24	No Saturday Classes
December 14	Last Day of Instruction
December 15	Finals (Saturday Classes Only)
December 17-21	Final Examinations Period
January 2, 2019	Grades Due

SPRING 2019 SEMESTER

January 14	Regular Full-Term Instruction Begins
January 21*	Martin Luther King Day- No Instruction
February 15-18*	Presidents' Weekend- No Instruction
March 25-29	Spring Break- No Instruction
May 17	Last Day of Instruction
May 18	Finals (Saturday Classes Only)
May 20-24	Final Examinations Period
May 24,25	Commencement
May 27*	Memorial Day
May 30	Grades Due

* 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.

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DIRECTORY

ACADEMIC SERVICES	925.424.1104	LIBRARY (LRC).....	925.424.1150
ADMINISTRATIVE SERVICES	925.424-1631	OFFICE OF THE PRESIDENT.....	925.424.1001
ADMISSIONS & RECORDS	925.424.1500	STUDENT GOVERNMENT	925.424.1490
ASSESSMENT CENTER	925.424.1475	STUDENT HEALTH & WELLNESS CENTER.....	925.424.1830
BOOKSTORE	925.424.1812	STUDENT SERVICES	925.424.1406
CALWORKS	925.424.1459	TUTORIAL CENTER.....	925.424.1450
CAMPUS SAFETY & SECURITY	925.424.1690	VETERANS PROGRAM.....	925.424.1571
COMMUNITY EDUCATION	925.424.1467	Division Offices:	
COUNSELING	925.424.1400	ARTS & HUMANITIES (A & H)	925.424.1383
DISABLED STUDENT PROGRAMS & SERVICES (DSPS)	925.424.1510	BUSINESS, HEALTH, ATHLETICS, WORK EXPERIENCE & KINESIOLOGY (BHAWK).....	925.424.1274
EXTENDED OPPORTUNITY PROGRAMS & SERVICES (EOPS)	925.424.1598	COMPUTING, APPLIED TECHNOLOGY & SOCIAL SCIENCES (CATSS).....	925.424.1322
FAX (NO CHARGE)	925.443.0742	MATH, SCIENCE, ENGINEERING & PUBLIC SAFETY (MSEPS)	925.424.1183
FINANCIAL AID	925.424.1580		
FOUNDATION	925.424.1010		
GENERAL INFORMATION.....	925.424.1600		
INTERNATIONAL STUDENT PROGRAM ..	925.424.1540		

CHABOT-LAS POSITAS DISTRICT

Chabot-Las Positas District 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
Isobel F. Dvorsky Secretary	Area 2: San Leandro	1985
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
Carlo Vecchiarelli	Area 5: Pleasanton, Dublin, Sunol	2004

Administration - District

District

Jannett N. Jackson, Ph.D.

Chancellor

Wyman M. Fong

Vice Chancellor, Human Resources

Doug Horner

Vice Chancellor, Facilities and Bond Program

Krista R. Johns

Vice Chancellor Educational Services & Student Success

Lorenzo Legaspi

Vice Chancellor, Business Services

Chabot College

Susan Sperling, Ph.D.

President

Las Positas College

Roanna V. Bennie

Interim President

David M. Johnson, Ph.D.

Interim 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

Dean of Academic Services

Vacant

Dean of Academic Services

Sylvia Rodriguez Wodyka

Dean of Enrollment Services

Elizabeth David

Dean of Student Services

Nessa Julian, Ed. D.

Director, Student Equity and Success

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

Chabot-Las Positas Community College District

The Chabot-Las Positas Community College District has provided quality education to residents of the 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.

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 23 Associate Degrees for Transfer (ADTs), 42 Associate Degrees, and 54 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 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 Institutional Research and Planning. The EMP will help the College accommodate the educational needs of approximately 197,000 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:

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

Institutional Goals

1. **Educational Excellence:** Ensure excellence in student learning by providing quality teaching, learning support, and student support services.
2. **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.
3. **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.

4. **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 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 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

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.

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 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

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:

1. Ability to meet the demands of college instruction at Las Positas College;
2. Ability to master, and proceed beyond, the minimum basic skill levels required for success in college education;
3. Ability to show substantial progress in cognitive and affective learning in college courses; and
4. 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.

Early Admission Program

The Early Admission Program is designed for local high school seniors. This program allows high school seniors to register for classes earlier than regular new Las Positas College students. Las Positas College counselors visit local high schools to present admissions, assessment, counseling, and registration information. For additional information, students who are interested in participating in the Early Admission Program should visit the Early Admission website at www.laspositascollege.edu/earlyadmission/

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. Immigration and Customs Enforcement 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 non-residents.

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. Non-citizens who meet residency requirements and who desire to enroll as a California resident must provide documentation to the Admissions and Records Office.

Non-Residents

Those who do not meet the California resident requirements. In addition to the enrollment fee, non-resident 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 non-resident 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). Students must also complete an affidavit to legalize immigration status as soon as possible, if applicable. For additional information, contact the Admissions and Records Office.

Non-resident 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 Registration 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-register with California State University (CSU), East Bay while completing coursework at Las Positas College. Students who elect to cross register may 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 Student	Registered for 12 or more units
Three-quarter Student	Registered 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 SUCCESS & SUPPORT PROGRAM

Student Success and Support Program (SSSP), 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. SSSP 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. SSSP 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

At Las Positas College, we want students to be successful. In order to help determine the proper courses for students as they begin their educational career at Las Positas College, all students are encouraged to complete an assessment of English or English as a Second Language (ESL) and Mathematics. Assessment is required to participate in priority registration at Las Positas College. The Assessment Center also offers placement level evaluation for Chemistry, French, and Spanish courses.

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 Degree Works

Las Positas College now offers a web-based tool to help you keep track of your educational progress. Degree Works (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 Degree Works, 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 Degree Works link.

*A degree audit created in Degree Works 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

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

- Step #1:** Complete and submit an admission application online at www.laspositascollege.edu or in-person at the Admissions & Records Office.
- Step #2:** Complete an online orientation.
- Step #3:** Take the assessment tests.
- Step #4:** Meet with an academic counselor to develop a Student Educational Plan (SEP).
- Step #5:** Register for classes. Pay fees!

Returning Students

Students are considered returning students if they have previously attended Chabot-Las Positas Community College District and have not attended either college during the past two semesters. Returning students need to complete the following:

- Step #1:** Complete and submit a new admission application online at www.laspositascollege.edu or in-person at the Admissions and Records Office.
- Step #2:** Returning students on academic or progress probation level two or dismissed status must obtain academic counselor advisement and approval before proceeding with course registration.
- Step #3:** Returning students in exempt status may not be required to obtain an academic counselor approval prior to

course registration. Exempt status does not exempt students from prerequisite requirements. See “Exemptions to Completing Core Services” section in this Catalog.

Step #4: Returning students will not receive an individual course registration appointment date. Priority registration date is based on the date of admission application and completion of the core services of orientation, assessment, and Student Educational Plan (SEP).

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 Student Success and Support Program (SSSP) 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 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 co-requisite 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:

- A. Adequate evidence of competence as supported by transcripts, statements of employers, military, or technical school certificates, etc.
- B. 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 not enroll in two classes that meet during any part of the same hour.

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.

Extenuating Circumstance Withdrawal

Class withdrawal after the twelfth week of instruction is permitted only on the grounds of verified extenuating circumstances (accident, illness, or other matters beyond the control of the student). A “W” will be granted only if the petition is approved and the class instructor verifies that the student is maintaining a passing grade of “D” or better (grade “P” in P/P courses). Those students whose request for withdrawal is denied may choose to continue current class enrollment. Extenuating Circumstance Petition forms are available at the Admissions and Records Office.

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, or MW). Only a military withdrawal (MW) 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.
- B. **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.
- C. **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.
- D. **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.

- E. **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.
- F. **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.
- G. **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 substandard work recorded for that portion of the variable unit course.
- H. **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

- There is an established recency prerequisite established by the course curriculum; or
- 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 REFUNDS

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 \$275 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 \$275 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 with held 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 mandatory fee of \$1.00 will be assessed of all students each semester. This fee is used for any purpose related to representing students' views with governmental bodies.

Parking Permit Fees

Parking at Las Positas College is by permit only. Parking regulations are enforced from the first day of class. 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 : \$30.00

Motorcycle: \$15.00

Daily Permit: \$2.00

Parking permit fees for summer term differ from semester rates. Refer to the class schedule. A reduced term parking fee of \$20.00 is available for students who receive a Board of Governors Fee Waiver. Parking fees are subject to change.

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 cancelled 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 an 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, Full-Time Student Success 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 non-citizen; 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.

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 10th

Spring Semester: December 15th

How to Apply for Financial Aid

To apply for all federal and state sources of financial aid, students must complete the Free Application for Federal Student Aid (FAFSA). Students must apply online 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 2018-2019 FAFSA is available to complete beginning October 1, 2017 and should be completed no later than March 2, 2018 for maximum financial aid consideration. Processing time from application to payment requires several weeks.

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.

Board of Governors Fee Waivers

The Board of Governors Fee Waiver (BOGFW) program 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. All students with at least \$1,104 in financial need (based on Cost of Attendance, less Expected Family Contribution) qualify in addition to those who receive Temporary Assistance to Needy Families (TANF), Supplemental Security Income (SSI) or General Assistance (GA). Students must submit a FAFSA for processing in order to establish eligibility or current documentation of receipt of TANF, SSI, or GA. California Senate Bill 1456 requires that a student qualifying for a BOGFW meet minimum academic and progress standards to retain eligibility for a fee waiver. Effective 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 on a first-come, first-serve basis contingent on funding and are subject to change.

Lifetime Eligibility Unit for Federal Pell Grants: Effective July 2012, 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 www.nslsds.ed.gov.

Cal Grants

Students should file their FAFSA prior to March 2nd in order to be considered for a Cal Grant. 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.

California Dream Act

The California Dream Act allows AB540 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/>.

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 Board of Governors Fee Waiver (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 Board of Governors Fee Waiver (BOGFW) either by completing a California Dream Act Application (CADAA) at <https://dream.csac.ca.gov/> or by submitting a BOGFW paper application to the Financial Aid Office.

Undocumented AB540 students without a valid social security number who are recent high school graduates may apply for a BOGFW 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 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 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 timeframe allow 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 timeframe 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 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 www.laspositascollege.edu/financialaid/.

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

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:
www.ed.gov/finaid
www.studentaid.gov

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 www.nslds.ed.gov. 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 www.sss.gov/regist.

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.

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.

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. Designated veterans academic counselor.
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. Employment Development Department representative meetings
16. Financial Planning workshops and appointments.
17. Veterans Certifying Specialist.

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 second 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, Servicemembers, Families, and Survivors.

The Montgomery GI Bill (Chapter 30)

Enlistment after July 1, 1985 is required. The serviceperson 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 will receive three (3) units of elective credit towards the associate degree. Contact the Counseling Department for more

information.

Directory of Resources for Veterans

Las Positas College Veterans First Program

Telephone: (925) 424-1571

Website: www.laspositascollege.com/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: www.cdva.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: www.ncptsd.org/topics/war.html

SURVIVORS BENEFITS

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

STUDENT VETERANS OF AMERICA

Website: www.studentveterans.org/

TRANSITION ASSISTANCE PROGRAM

Website: www.va.gov/opa/fact/transasst.asp

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

Website: www.vba.va.gov/bln/21/Topics/Women/

ACADEMIC SERVICES SUPPORT

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 provides access to course textbooks that faculty put on reserve and . 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. Currently registered students, faculty, and staff may check out books and materials from both the Las Positas College and Chabot College Libraries. A current College ID is required.

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 provide free of charge. Student tutors are recommended by faculty members for their positions receive course credit for tutor training, and can be pair or volunteer to tutor. Students are invited to request tutoring, seek positions as tutors, or use the study facilities at any time during the spring and fall semesters. For more information, study helps, 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

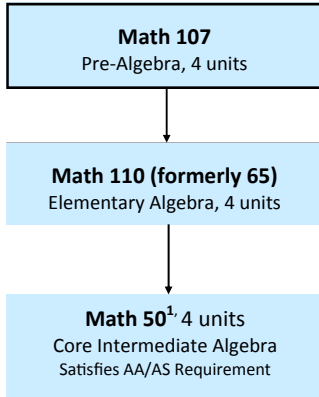
The RAW Center offers free, one-on-one tutoring from an English or ESL instructor. Instructors are available to help students with any reading and/or writing assignment from any class, as well as transfer and scholarship statements. The RAW Center also offers online reading and writing lessons. For more information, including hours of operation and online lessons, please visit the RAW 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 Math and English as a Second Language courses.

LAS POSITAS COLLEGE
MATH PREREQUISITE PATHWAYS CHART
Starting Fall 2018

**PATHWAY TO
AA/AS Degree**



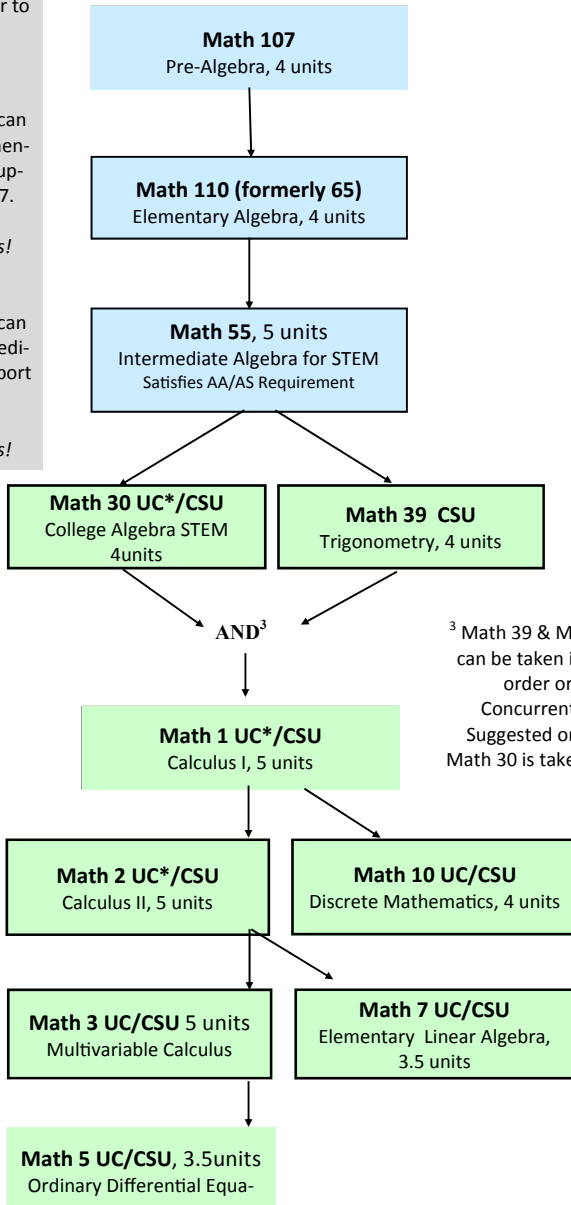
**ACCELERATION
OPTIONS**

Math Jam TUTOR 200
FREE to all LPC Students to prepare for their upcoming math class or to retake the placement test.
0 units

Math 110 & Math 110C
Students eligible for Math 107 can enroll in Math 110 & 110C Elementary Algebra and Corequisite Support Course and skip Math 107.
4 units + 2 units
SAVES 1 semester AND 2 units!

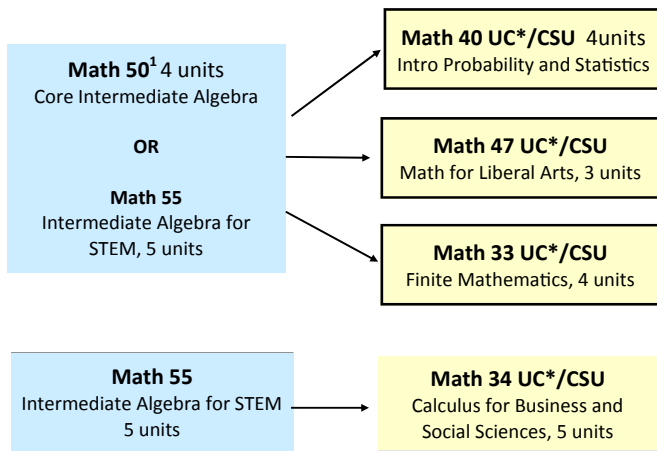
Math 55 & Math 55C
Students eligible for Math 110 can enroll in Math 55 & 55C Intermediate for STEM & Corequisite Support Course and skip Math 110.
5 units + 2 units
SAVES 1 semester AND 2 units!

**STEM² PATHWAY TO
TRANSFER**



³ Math 39 & Math 30 can be taken in any order or Concurrently.
Suggested order: Math 30 is taken first.

**PATHWAY TO
Transfer Non-STEM¹**



¹If your goals change, a pathway back to STEM exists!
See a counselor for more information.

CSU = Courses are transferable to CSU
UC* = Courses are transferable to UC
Transfer limitations to UC are as follows:
1, 2, and 33, 34 combined: maximum credit, one series

²Science, Technology, Engineering and Mathematics

- Non-Transfer Level Math Courses
- Non-STEM Transfer Level Math Courses
- STEM-Transfer Level Math Courses

Mathematics Modes

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. These courses work well for students with the following characteristics:

1. I am a self-motivated, dedicated, and organized student.
2. I need a quick brush up on my algebra skills.
3. 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:

- 107 - Pre-Algebra
- 110 - Elementary Algebra
- 55 - Intermediate Algebra
- 72A, 72B, 72C, 72D - Technical Elementary Algebra
- 52A, 52B - Technical Intermediate Algebra for Automotive Technology
- 53A, 53B - Technical Intermediate Algebra for Welding

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).

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 math course with a TBA lab hour satisfy their requirement in the Mathematics Learning Center. The Mathematics Learning Center is staffed by full- and part-time mathematics instructors at LPC.

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.

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, on the CLASS-Web website, and on the Las Positas College Online Learning 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.

SPECIAL ACADEMIC PROGRAMS

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. Eligibility requirements for this program are currently under review. For additional 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://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, telephone 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 xx CE certificate programs, xx 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 CareerEducation programs.

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. Assessment scores are interpreted for the student by the counselor, and articulation agreements with four-year colleges and universities are used to construct accurate student plans 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

DISABLED STUDENT PROGRAMS AND SERVICES

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.

Learning Skills Program

The Learning Skills Program is designed to better prepare students with learning-related disabilities for advancement to higher-level English and math classes. These classes seek to remediate basic skills that remain weak for students, but which will be necessary for success in college. Diagnostic testing is available to determine eligibility for services. Individual classes are also available for reading, basic writing, and developmental math. The classes coordinate with the High Tech Center Instructional Lab. The Learning Skills Program is located within the DSPS Office in Building 1600.

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 at (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: www.laspositascollege.edu/engineering/engr-technology.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. As a cohort they take two semesters of college success, English, and other courses focused on the African-American experience in society, literature, cultures, art, etc. Students have a dedicated counselor and a host of faculty who are readily available to guide and serve them. They may also participate in college tours, mentoring, career guidance, all within the Umoja community-building lifestyle. Umoja is open to Las Positas College students of all backgrounds and future goals. 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.foollett.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. Campuswide collaboration promoting health and student success.

For more information, contact the Student Health and Wellness Center in Building 1700 or at (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 lot, 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-Fall2017.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 in government, 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 orientation programs for students to strengthen their knowledge, expand their understanding of governance issues, increase their preparedness, and enhance their credibility in the community. The Student Life Office is committed to improving student success and 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 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 obtained a specific number of student signatures. 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 6 units at the College and are required to maintain a minimum 2.0 grade point average (GPA).

LPCSG offers services for students including scholarships, the textbook loaner program, 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: www.laspositascollege.edu/aslpc/.

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 Mass Communications and published numerous times per semester. Students practice and refine journalism skills, including recognizing, acquiring, producing, and distributing content for the print and online editions of the student newspaper, the Express. Students are introduced to concepts related to photojournalism, business management, graphic arts, design, social media, leadership, and editing skills. 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 may be found online at: <http://lpcexpressnews.com>.

Radio LPC

Radio LPC provides an opportunity for students to learn about 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 streams, podcasts, and direct feed, creating content for a multimedia website, and producing ad spots and promotional posts. Mass Communication course in radio include history, law, ethics, theory, and practical use of radio technology. Radio LPC broadcasts over the Internet at: www.radiolaspositas.com.

Naked Magazine

Naked Magazine, Las Positas College’s award-winning student magazine launched in fall 2008. Working on Naked magazine allows students to create 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. This class is offered in the fall semester. To join the team, visit Building 2400, Room 2409, or call (925) 424-1240.

Speech and Debate Team

The award winning Las Positas College 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 an on-campus tournament and two Speech Performance nights per year. With this opportunity, students experience accelerated growth in their communication skills and self-esteem. The team is also a class, CMST 48, offered fall and spring. More information can be found online at: www.laspositascollege.edu/spch/forensics.php.

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 and 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 Chamber and Concert choirs, Vocal Jazz Ensembles, an Instrumental Jazz Ensemble and Jazz Combo, a Wind Ensemble and a Chamber Orchestra, plus multiple opportunities to perform at concerts and recitals 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 ten intercollegiate athletic teams, serving approximately 150 student-athletes each year. Competitive teams for both men’s and women’s athletic programs are basketball, cross country, soccer, swimming/diving, and water polo.

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: www.laspositascollege.edu/athletics/.

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

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 Associated Student Organization 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/Designee) 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, or 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	Failure	0 grade points/units attempted with no units earned. May negatively affect progress. See the section on "Academic Probation and Dismissal" in this Catalog.
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.
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 and Records 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 and 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.)

I. 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.

II. 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.

III. 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.

IV. 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.

Credit for Advanced Placement (AP) Examinations

Credit may be earned for the College Entrance Examination Board (CEEB) Advance Placement (AP) Exams with scores of 3, 4, or 5 as listed below. Course credit and units granted at Las Positas College may differ from course credit and units granted by a transfer institution.

EXAMINATION TITLE	LPC AA (Major and/or GE)	CSU GE	Total CSU Units earned toward transfer	IGETC	Total UC Units earned toward transfer
Art: History	ARHS 4 and 5 6 semester units	Area C1 or C2 3 semester units	6 semester units	Area 3A or 3B 3 semester units	8 quarter/5.3 semester units
Biology	Biology 30 4 semester units	Area B2 and B3 4 semester units	6 semester units	Areas 5B & 5C 4 semester units	8 quarter/5.3 semester units
Calculus AB**	Math 1 5 semester units	Area B4 3 semester units	3 semester units*	Area 2A 3 semester units	4 quarter/2.7 semester units
Calculus BC	Math 1 and 2 10 semester units	Area B4 3 semester units	6 semester units*	Area 2A 3 semester units	4 quarter/2.7 semester units**
Calculus BC/AB Subscore***	Comm & Analytical Thinking 3 semester units	Area B4 3 semester units	3 semester units*	Area 2A 3 semester units	8 quarter/5.3 semester units**
AP CALCULUS EXAM LIMITATIONS:					
*Maximum credit: one exam in calculus or computer science may be applied to the baccalaureate.					
**Maximum credit: 8 quarter/5.3 semester units for both MATH AB and BC exams; 4 quarter/2.7 semester units for both MATH AB and the MATH AB Subscore for UC					
***Students who take the Calculus BC exam and earn a subscore of 3 or higher on the Calculus AB portion will receive credit for the Calculus AB exam, even if they do not receive a score of 3 or higher on the BC exam for UC.					
Chemistry	Chemistry 1A 5 semester units	AREAS B1 and B3 4 semester units (F09+) 6 semester units (prior to F09)	6 semester units	Areas 5A & 5C 4 semester units	8 quarter/5.3 semester units
Chinese Language & Culture	Humanities 3 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
Computer Science A*	CS 1 4 semester units	N/A	3 semester units	N/A	2 quarter/1.3 semester units**
Computer Science AB*	Comm & Analytical Thinking 6 semester units	N/A	6 semester units	N/A	4 quarter/2.7 semester units**
AP CS EXAM LIMITATIONS:					
*Maximum credit: one exam in computer science or calculus may be applied to the baccalaureate.					
**Maximum 4 quarter/2.7 semester units for both computer science exams for UC					
Economics – Macroeconomics	ECON 2 3 semester units	Area D 3 semester units	3 semester units	Area 4 3 semester units	4 quarter/2.7 semester units
Economics – Microeconomics	ECON 1 3 semester units	Area D 3 semester units	3 semester units	Area 4 3 semester units	4 quarter/2.7 semester units
English – Language & Composition*	English 1A 6 semester units	Area A2 3 semester units	6 semester units	Area 1A 3 semester units	8 quarter/5.3 semester units*
English – Literature & Composition*	English 1A 6 semester units	Area A2 and C2 6 semester units	6 semester units	Area 1A or 3B 3 semester units	8 quarter/5.3 semester units*
AP ENGLISH EXAM LIMITATIONS:					
*Maximum credit 8 quarter/5.3 semester units for both English Language/Composition and English Literature/Composition exams for UC					
Environmental Science	EVST 5 4 semester units	Area B1 and B3 (F09+) Area B1/B3 or B2/B3 (prior to F09) 4 semester units	4 semester units	Area 5A & 5C 3 semester units	4 quarter/2.7 semester units
French Language & Culture	French 1A and 1B 10 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
French Literature	Humanities 3 semester units	Area C2 3 semester units	6 semester units (prior to F09)	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
German Language & Culture	Humanities 3 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
Government & Politics – Comparative	POLI 20 3 semester units	Area D 3 semester units	3 semester units	Area 4 3 semester units	4 quarter/2.7 semester units

EXAMINATION TITLE	LPC AA (Major and/or GE)	CSU GE	Total CSU Units earned toward transfer	IGETC	Total UC Units earned toward transfer
Government and Politics – U.S.	POLI 7 4 semester units	Area D and US-2*	3 semester units	Area 4 and US-2* 3 semester units	4 quarter/2.7 semester units
AMERICAN INSTITUTIONS					
*Fulfills content area US-2 for American Institutions requirement					
History - European	History 2 3 semester units	Area C2 or D 3 semester units	6 semester units	Area 3B or 4 3 semester units	8 quarter/5.3 semester units
History - U.S.	History 7 and 8 6 semester units	Area C2 or D and US-1* 3 semester units	6 semester units	Area 3B or 4 and US-1* 3 semester units	8 quarter/5.3 semester units
AMERICAN INSTITUTIONS:					
*U.S. History exam + POLI 7 fulfills American Institutions requirement.					
History - World	Humanities or Social/Behavioral Sciences 3 semester units	Area C2 or D 3 semester units	6 semester units	Area 3B or 4 3 semester units	8 quarter/5.3 semester units
Human Geography	GEOG 2 3 semester units	Area D 3 semester units	3 semester units	Area 4 3 semester units	4 quarter/2.7 semester units
Italian Language & Culture	Humanities 6 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
Japanese Language & Culture	Humanities 6 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
Latin - Vergil	Humanities 3 semester units	Area C2 3 semester units (prior to F12)	3 semester units	Area 3B and 6A 3 semester units	4 quarter/2.7 semester units
Latin	Humanities 6 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
Music Theory	MUS 8A 6 semester units MUS 8A & 8B (Score of 5) 8 semester units	Area C1 3 semester units (prior to F09)	6 semester units	N/A	8 quarter/5.3 semester units
Physics 1	Physics 2A 4 semester units	Area B1 and B3 4 semester units*	4 semester units*	Area 5A & 5C 4 semester units	8 quarter/5.3 semester**
Physics 2	Physics 2B 4 semester units	Area B1 and B3 4 semester units*	4 semester units*	Area 5A & 5C 4 semester units	8 quarter/5.3 semester**
Physics B	Physics 2A 4 semester units	B1 and B3 4 semester units (F09-SUM15) 6 semester units (prior to F09)	6 semester units*	Area 5A & 5C 4 semester units	8 quarter/5.3 semester units**
Physics C – Electricity & Magnetism	Physics 1C 5 semester units	Area B1 and B3 4 semester units*	4 semester units*	Area 5A & 5C 3 semester units	4 quarter/2.7 semester units**
Physics C - Mechanics	Physics 1A 5 semester units	Area B1 and B3 4 semester units*	4 semester units*	Area 5A & 5C 3 semester units	4 quarter/2.7 semester units**
AP 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: 8 quarter/5.3 semester units for all Physics exams for UC					
Psychology	PSYC 1 3 semester units	Area D 3 semester units	3 semester units	Area 4 3 semester units	4 quarter/2.7 semester units
Seminar	Elective 3 semester units	N/A	3 semester units	N/A	N/A
Spanish Language & Culture	Humanities 6 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
Spanish Literature & Culture	Humanities 6 semester units	Area C2 3 semester units	6 semester units	Area 3B and 6A 3 semester units	8 quarter/5.3 semester units
Statistics	Math 40 4 semester units	Area B4 3 semester units	3 semester units	Area 2A 3 semester units	4 quarter/2.7 semester units
Studio Art – 2D	ARTS 23 3 semester units	N/A	3 semester units	N/A	8 quarter/5.3 semester units
Studio Art – 3D	ARTS 24 3 semester units	N/A	3 semester units	N/A	8 quarter/5.3 semester units
Studio Art – Drawing	ARTS 2A 3 semester units	N/A	3 semester units	N/A	8 quarter/5.3 semester units
AP STUDIO ART EXAM LIMITATIONS:					
Maximum credit: 8 quarter/5.3 semester units for all Studio Art 2D, 3D, and Drawing exams.					

International Baccalaureate (IB) Exams

The chart below lists how International Baccalaureate (IB) exams may be applied toward the California State University General Education (CSU GE-B) pattern and Intersegmental General Education Transfer Curriculum (IGETC). The GE areas referenced in the chart may be found in the California State University General Education (GE) Breadth Requirements chart.

CSU GE: 3 semester units applied toward CSU GE certification if exams are passed with required scores indicated below.

IGETC: To earn credit toward IGETC and UC Transfer, a score of 5, 6, or 7 on Higher Level exam is required. Three (3) semester units are applied toward IGETC certification. 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.

INTERNATIONAL BACCALAUREATE (IB) EXAM	CSU GE + SCORE REQUIRED	SEM UNITS TOWARD CSU TRANSFER	IGETC (SCORE OF 5, 6, OR 7)	SEM UNITS TOWARD UC TRANSFER
IB Biology HL	Area B2 (no lab) 3 semester units Score = 5	6	Area 5B (no lab) 3 semester units	8 quarter/5.3 semester units
IB Chemistry HL	Area B1 (no lab) 3 semester units Score = 5	6	Area 5A (no lab) 3 semester units	8 quarter/5.3 semester units
IB Economics HL	Area D 3 semester units Score = 5	6	Area 4 3 semester units	8 quarter/5.3 semester units
IB Geography HL	Area D 3 semester units Score = 5	6	Area 4 3 semester units	8 quarter/5.3 semester units
IB History (any region) HL	Area C2 or D 3 semester units Score = 5	6	Area 3B or 4 3 semester units	8 quarter/5.3 semester units
IB Language A: Literature HL	Area C2 3 semester units Score = 4	6	Areas 3B and 6A 3 semester units (any language except English)	8 quarter/5.3 semester units
IB Language A: Language and Literature HL	Area C2 3 semester units Score = 4	6	Areas 3B and 6A 3 semester units (any language except English)	8 quarter/5.3 semester units
IB Language A1 (any language) HL	Area C2 3 semester units Score = 4 (prior to F13)	6	Area 3B 3 semester units (any language)	8 quarter/5.3 semester units
IB Language A2 (any language) HL	Area C2 3 semester units Score = 4 (prior to F13)	6	Area 3B 3 semester units (any language)	8 quarter/5.3 semester units
IB Language B (any language) HL*	N/A -GE Breadth 0 semester units Score = 4	6	Area 6A 3 semester units (any language)	8 quarter/5.3 semester units
IB Mathematics HL	Area B4 3 semester units Score = 4	6	Area 2A 3 semester units	8 quarter/5.3 semester units
IB Physics HL	Area B1 (no lab) 3 semester units Score = 5	6	Area 5A (no lab) 3 semester units	8 quarter/5.3 semester units
IB Psychology HL	Area D 3 semester units Score = 5	3	Area 4 3 semester units	8 quarter/5.3 semester units
IB Theatre HL	Area C1 3 semester units Score = 4	6	Area 3A 3 semester units	8 quarter/5.3 semester units

*The IB curriculum offers language at various levels for native and non-native speakers. Language B courses are offered at the intermediate level for non-natives. Language A1 and A2 are advanced courses in literature for native and non-native speakers, respectively.

LAS POSITAS COLLEGE GENERAL EDUCATION PATTERN FOR ASSOCIATE OF ARTS DEGREE 2017 2018 (Effective Fall 2017) Please check in with Counseling for the most recent GE pattern					
USE THE BOXES ON THE RIGHT TO RECORD YOUR PROGRESS: N= NEED IP=IN PROGRESS C=COMPLETED			N	IP	C
LANGUAGE AND RATIONALITY ENGLISH COMPOSITION Complete with a grade of 'C' or higher or 'P'			3 UNITS		
English 1A					
WRITING AND CRITICAL THINKING Complete 1 course from below			3 UNITS		
English 4 or 7 or Theater Arts 53					
COMMUNICATION AND ANALYTICAL THINKING Complete 1 course from below			3 UNITS		
American Sign Language 1A, 1B Business 48, 52 Communication Studies 1, 2, 4, 10, 46, 48 Computer Information Systems 50	Computer Science 1, 17 French 1A, 1B Italian 1A, 1B Mass Communications 1, 32A	Mathematics 1, 2, 3, 7, 10, 20, 33, 34, 38, 39, 40, 45, 47, 50, 55, 55B Philosophy 6, 8 Spanish 1A, 1B Theater Arts 3, 25			
MATHEMATICS Proficiency in Mathematics may be met in one of the ways specified below					
1. Demonstrate eligibility for one level above intermediate algebra or higher using multiple measures such as the LPC Placement Examination or previous course work; or 2. Submit documentation that a course equivalent to one of the mathematics courses listed below has been completed (with a grade of "C" or higher or "P") at another college/university or with an AP score of 3 or higher; or 3. Complete one of the following courses (with a grade of "C" or higher or "P"): Mathematics 1, 2, 3, 5, 7, 10, 20, 33, 34, 38, 39, 40, 45, 47, 50, 55, 55B or CS 17					
NATURAL SCIENCES Complete 1 course from below <i>* Meets either the Natural Sciences or Social and Behavioral Sciences requirement</i>			3 UNITS		
Anthropology 1, 13* Astronomy 10, 20, 30 Biological Sciences 1A, 1B, 1C, 7A, 7B, 7C, 10, 20, 30, 40, 50, 60	Chemistry 1A, 30A, 31 Environmental Studies 5 Geography 1*, 1L, 8, 15*	Geology 1, 1L, 3, 3L, 5, 7, 12, 12L Physics 1A, 2A, 10, 10L Psychology 4*			
HUMANITIES Complete 1 course from below <i>* Meets Humanities and/or American Cultures requirement</i>			3 UNITS		
American Sign Language 2A, 2B Art History 1, 4, 5 Arts 2A, 10, 23 Communication Studies 2, 5, 11* English 11, 12A, 12B, 13A, 20, 32, 35, 41, 44*, 45	French 2A History 1, 2 Humanities 3, 6, 7, 10, 28, 44 Music 1, 3*, 4*, 5*, 6, 10A, 10B, 12, 13*, 14, 19, 20, 21A, 23A, 33, 34, 37, 38, 42, 44, 45, 46A, 46B	Philosophy 1, 1H, 2, 2H, 3, 4, 5 Photography 67, 70 Religious Studies 1, 2, 3, 11 Spanish 2A Theater Arts 1A, 1B, 4*, 5, 10, 12 Welding Technology 71			
SOCIAL AND BEHAVIORAL SCIENCES Complete 1 course from below <i>* Meets Social & Behavioral Sciences and/or American Cultures requirement</i> <i>** Meets either Natural Sciences or Social & Behavioral Sciences requirement</i>			3 UNITS		
Administration of Justice 50, 60 Anthropology 1, 2, 3, 4, 5*, 12, 13** Business 18, 20, 30 Communication Studies 3 Early Childhood Dev 15, 56, 62, 79*	Economics 1, 2, 5, 10 Geography 1**, 2, 5, 12, 15** History 25, 28*, 32* Mass Communications 5, 31 Political Science 7, 12*, 20, 25, 30	Psychology 1, 3, 4**, 6, 12, 13, 15, 25 Psychology-Counseling 3*, 5, 8*, 13* Sociology 1, 3*, 4, 5, 6, 11, 12, 13 Women's Studies 1*, 2			
WELLNESS Complete 3 units from AREAS OF HEALTH and 1 unit from Kinesiology* <i>*Exemption from the KIN 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. The entire Wellness area may be waived for Veterans with a DD214 - honorable discharge.</i>			4 UNITS		
Areas of Health: Health 1, 3; Nutrition 1; KIN 22A, 30; PSYC 10	Kinesiology*: Dance 1, 2A/2B, 3, 5A/5B; Intercollegiate Athletics 31-65; any KIN activity course listed in the 2017-2018 Catalog.				
AMERICAN INSTITUTIONS (AI) Complete 1 course from below; <i>partially satisfies CSU USH & AI requirement</i>			3 UNITS		
History 7, 8, 25, 32	Political Science 7				
AMERICAN CULTURES Complete 1 course from below with a grade of 'C' or higher or 'P' <i>Where appropriate, the course can simultaneously satisfy 1 other graduation or subject area requirement</i>					
Anthropology 5 Music 3, 4, 5, 13	Communication Studies 11 Political Science 12	English 44 Psychology-Counseling 3, 8, 13	Early Childhood Dev 79 Sociology 3	History 14, 28, 32 Theater Arts 4	Women's Studies 1
LAS POSITAS COLLEGE ASSOCIATE IN ARTS DEGREE GRADUATION REQUIREMENTS					
1. Complete a minimum of 60 units with a cumulative grade point average of 2.0 or better (12 units must be completed at Las Positas College). 2. Complete all General Education (GE) Requirements for the Associate of Arts Degree listed above. 3. Select a major and complete all major requirements plus GE and electives to total 60 units. 4. All courses required for the Major must be completed with a 'C' or 'P.'					

LAS POSITAS COLLEGE GENERAL EDUCATION PATTERN FOR ASSOCIATE OF SCIENCE DEGREE 2017 2018 (Effective Fall 2017) Please check in with Counseling for the most recent GE pattern					
USE THE BOXES ON THE RIGHT TO RECORD YOUR PROGRESS: N= NEED IP=IN PROGRESS C=COMPLETED			N	IP	C
LANGUAGE AND RATIONALITY ENGLISH COMPOSITION Complete with a grade of 'C' or higher or 'P' 3 UNITS					
English 1A					
COMMUNICATION AND ANALYTICAL THINKING Complete 1 course from below 3 UNITS					
American Sign Language 1A, 1B Business 48, 52 Communication Studies 1, 2, 4, 10, 46, 48 Computer Information Systems 50	Computer Science 1, 17 French 1A, 1B Italian 1A, 1B Mass Communications 1, 32A	Mathematics 1, 2, 3, 7, 10, 20, 33, 34, 38, 39, 40, 45, 47, 50, 55, 55B Philosophy 6, 8 Spanish 1A, 1B Theater Arts 3, 25			
MATHEMATICS Proficiency in Mathematics may be met in one of the ways specified below					
1. Demonstrate eligibility for one level above intermediate algebra or higher using multiple measures such as the LPC Placement Examination or previous course work; or 2. Submit documentation that a course equivalent to one of the mathematics courses listed below has been completed (with a grade of "C" or higher or "P") at another college/university or with an AP score of 3 or higher; or 3. Complete one of the following courses (with a grade of "C" or higher or "P"): Mathematics 1, 2, 3, 5, 7, 10, 20, 33, 34, 38, 39, 40, 45, 47, 50, 55, 55B or CS 17					
NATURAL SCIENCES Complete 1 course from below 3 UNITS <i>* Meets either the Natural Sciences or Social and Behavioral Sciences requirement</i>					
Anthropology 1, 13* Astronomy 10, 20, 30 Biological Sciences 1A, 1B, 1C, 7A, 7B, 7C, 10, 20, 30, 40, 50, 60	Chemistry 1A, 30A, 31 Environmental Studies 5 Geography 1*, 1L, 8, 15*	Geology 1, 1L, 3, 3L, 5, 7, 12, 12L Physics 1A, 2A, 10, 10L Psychology 4*			
HUMANITIES Complete 1 course from below 3 UNITS <i>* Meets Humanities and/or American Cultures requirement</i>					
American Sign Language 2A, 2B Art History 1, 4, 5 Arts 2A, 10, 23 Communication Studies 2, 5, 11* English 11, 12A, 12B, 13A, 20, 32, 35, 41, 44*, 45	French 2A History 1, 2 Humanities 3, 6, 7, 10, 28, 44 Music 1, 3*, 4*, 5*, 6, 10A, 10B, 12, 13*, 14, 19, 20, 21A, 23A, 33, 34, 37, 38, 42, 44, 45, 46A, 46B	Philosophy 1, 1H, 2, 2H, 3, 4, 5 Photography 67, 70 Religious Studies 1, 2, 3, 11 Spanish 2A Theater Arts 1A, 1B, 4*, 5, 10, 12 Welding Technology 71			
SOCIAL AND BEHAVIORAL SCIENCES Complete 1 course from below 3 UNITS <i>* Meets Social & Behavioral Sciences and/or American Cultures requirement</i> <i>** Meets either Natural Sciences or Social & Behavioral Sciences requirement</i>					
Administration of Justice 50, 60 Anthropology 1, 2, 3, 4, 5*, 12, 13** Business 18, 20, 30 Communication Studies 3 Early Childhood Dev 15, 56, 62, 79*	Economics 1, 2, 5, 10 Geography 1**, 2, 5, 12, 15** History 25, 28*, 32* Mass Communications 5, 31 Political Science 7, 12*, 20, 25, 30	Psychology 1, 3, 4**, 6, 12, 13, 15, 25 Psychology-Counseling 3*, 5, 8*, 13* Sociology 1, 3*, 4, 5, 6, 11, 12, 13 Women's Studies 1*, 2			
Kinesiology* Complete 1 unit from below 1 UNIT					
Dance 1, 2A/2B, 3, 5A/5B; Intercollegiate Athletics 31-65; any KIN activity course listed in the 2017-2018 Catalog. <i>*Exemption from the KIN 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. The Kinesiology requirement for the AS may be waived for Veterans with a DD214 - honorable discharge.</i>					
PROGRAM-BASED GENERAL EDUCATION REQUIREMENT 3 UNITS					
You will need 1 course to satisfy this area. The course is specific to each A.S. Degree Major. See 2017-2018 Catalog or A.S. program coordinator.					
AMERICAN CULTURES Complete 1 course from below with a grade of 'C' or higher or 'P' <i>Where appropriate, the course can simultaneously satisfy 1 other graduation or subject area requirement.</i>					
Anthropology 5	Communication Studies 11	English 44	Early Childhood Dev 79	History 14, 28, 32	
Music 3, 4, 5, 13	Political Science 12	Psychology-Counseling 3, 8, 13	Sociology 3	Theater Arts 4	Women's Studies 1
LAS POSITAS COLLEGE ASSOCIATE IN SCIENCE DEGREE GRADUATION REQUIREMENTS					
1. Complete a minimum of 60 units with a cumulative grade point average of 2.0 or better (12 units must be completed at Las Positas College). 2. Complete all General Education (GE) Requirements for the Associate of Science Degree listed above. 3. Select a major and complete all major requirements plus GE and electives to total 60 units. 4. All courses required for the Major must be completed with a 'C' or 'P.'					

Advanced Placement Examinations

Las Positas College grants academic credit for successful completion of examinations of the Advanced Placement (AP) Program of the College Entrance Examination Board (C.E.E.B.). Credit awarded based on passing AP scores (3, 4, or 5) 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 AP Chart displays how credit is awarded for the following:

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

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 C.E.E.B. 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 for Advanced Placement (AP) Examinations.

DEGREES AND CERTIFICATES

Las Positas College is authorized by the Board of Governors of the California Community Colleges to confer the Associate in Arts Degree, Associate in Science Degree, and Certificate of Achievement upon students who complete the necessary requirements.

Associate Degrees

The Associate in Arts (AA) and Associate in Science (AS) Degrees offered by Las Positas College include Transfer Programs and Occupational Programs. Within each AA and AS Degree, there is a required general education component (see the Las Positas College General Education Pattern charts in this Catalog). 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 in Arts Degree

The Associate in Arts Degree is conferred upon those students who complete the minimum of 60 semester units with a grade-point average of 2.0 or better and meet the graduation requirements as set forth in the “Las Positas College General Education Pattern for Associate in Arts Degree” chart in this Catalog.

Associate in Science Degree

The Associate in Science Degree is conferred upon those students who complete the minimum of 60 semester units with a grade-point average of 2.0 or better and meet the graduation requirements as set forth in the “Las Positas College General Education Pattern for Associate in Science Degree” chart in this Catalog.

Associate Degree for Transfer

Las Positas College offers an Associate Degree for Transfer (ADT). This degree is a pathway to transfer to the California State University (CSU) system. Students who complete an Associate Degree in Arts for Transfer (AA-T) or an Associate Degree in Science for Transfer (AS-T) will be guaranteed admission to the CSU system. In addition to the guaranteed admission, students will be given a special GPA advantage. Also, when applying to CSU impacted campuses or majors, and when admitted to a major that has been deemed similar to their associate degree major, they will need only 60 more semester units (or 90 quarter units) to complete a bachelor's degree. This ADT requires the completion of either the CSU General Education Pattern, or the IGETC for CSU General Education Pattern. Meet with a counselor to develop an individualized plan for an AA-T or AS-T.

AA/AS Occupational Programs

The courses of study within these programs prepare for direct job entry, and can normally be completed in a two-year period by a full-time student (carrying at least 15 units per semester). For a list of AA/AS Programs see the “Transfer, Degree and Certificate Programs” chart in this Catalog. Students may also develop with a counselor an Individual Occupational Major which must be approved by the Dean of Student Services.

Certificate of Achievement

The courses of study within these programs prepare for direct job entry. Many certificate programs can be completed in one year in daytime classes, while others are designed to be completed over a longer period in evening classes. Students are advised to consult a counselor for more information about time frames for completion of certificate programs. For a list of Certificate Programs see the “Transfer, Degree and Certificate Programs” chart in this Catalog. Students may also develop an Individual Occupational Major with a counselor, for approval by the Dean of Student Services.

The Certificate of Achievement is awarded upon successful completion of required courses for the certificate with a grade point average of 2.0 or higher.

A student must complete at least eighty percent (80%) of the required program at Las Positas College (or Chabot College), including the last three (3) units. Grades earned in non-degree applicable courses (numbered 100-200) will not be used in calculating a student's degree applicable grade point average. No courses below the English 1A requirement are degree applicable.

Career Certificate

These certificates are not transcribed. Individual courses will appear on transcript and completion of industry-based professional development will be also noted. Submit a request through the Admissions and

Records Office. For a list of Career Programs see the “Transfer, Degree and Certificate Programs” chart in this Catalog. See an academic counselor for further information.

DEGREE REQUIREMENTS

Associate in Arts and Associate in Science

A student is eligible for graduation with the Associate in Arts Degree and the Associate in Science Degree after satisfactorily completing:

The minimum of 60 degree applicable, semester units (12 of which must be completed in residence at Las Positas College) with a grade-point average of 2.0 or higher;

Grades earned in non-degree applicable courses (numbered 100-200) will not be used in calculating a student’s degree applicable grade point average. No courses below the English 1A requirement are degree applicable.

All requirements for the major plus electives to total 60 semester units (of these at least 18 must be in the major per Title V CCR.T5 55806);

The General Education Requirements for the Associate in Arts Degree, see the Las Positas College General Education Pattern for Associates in Arts, or the Las Positas General Education Pattern for the Associate in Science Degree charts in this Catalog.

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).

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 will be 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.

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:

- I. **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.
- II. **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.

III. 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 ASSIST database at www.assist.org 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 39 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 impact status. LPC students may be guaranteed admission to 9 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 (ADT)

California Community Colleges are now offering associate degrees for transfer (ADT) to the CSU system. These may include Associate in Arts (AA-T) or Associate in Science (AS-T) degrees for transfer. 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 are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units.

Colleges and Universities with Transfer Admission Agreements

Additional transfer guarantee programs are available with Saint Mary's College, 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;
- 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 Curriculum (IGETC)” chart in this Catalog.
- CSU General Education Breadth Requirements. See the “California State University General Education (BE) 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.csumentor.edu for more information.

CSU Resources

CSU Mentor – www.csumentor.edu – 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—two transferable college courses* (3 semester units each);

MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING—one transferable college course* (3 semester units);

ARTS AND HUMANITIES, SOCIAL AND BEHAVIORAL SCIENCES, AND/ OR PHYSICAL AND BIOLOGICAL SCIENCES—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.

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.

TRANSFER SERVICES

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

- individual 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;
- coordination of Transfer Admission Guarantee programs;
- 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.

Counseling services are available on a limited basis in the Transfer Center. Please visit www.laspositascollege.edu/transfercenter for up-to-date information.

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 issues, if needed. For more information, see “Counseling Services.”

California State University General Education (GE) Breadth Requirements Las Positas College 2017 - 2018 (Effective Fall 2017)

*Courses may be listed in more than one area but will NOT be certified more than once

USE THE BOXES ON THE RIGHT TO RECORD YOUR PROGRESS: NEED, IN PROGRESS, COMPLETE				Need	Progress In	Complete			
AREA A: ENGLISH LANGUAGE COMMUNICATION AND CRITICAL THINKING									
Select at least 1 course from A1, A2 and A3 , total 9 units required; must be completed with a grade of C or better.									
A1: Oral Communication	Communication Studies 1 or 10*(F16) or 46*								
A2: Written Communication	English 1A								
A3: Critical Thinking	Communication Studies 46* or English 4* or 7* or Philosophy 6 or 8								
AREA B: SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING									
Select at least 1 course from each Group listed below, minimum 9 units required									
B1: Physical Science	B2: Life Science	B3: Laboratory Activity	B4: Mathematics/ Quantitative Reasoning	B					
Astronomy 10, 20, <u>30</u> ; Chemistry <u>1A</u> , <u>1B</u> , <u>12A</u> , <u>12B</u> , <u>30A</u> , <u>30B</u> , <u>31</u> ; Environmental Studies 5; Geography 1, <u>1L</u> , 8, 12*(F16); Geology 1, <u>1L</u> , 3, <u>3L</u> , 5, 7, 12, <u>12L</u> ; Physics <u>1A</u> , <u>1B</u> , <u>1C</u> , <u>1D</u> , <u>2A</u> , <u>2B</u> , 10, <u>10L</u>	Anthropology 1*, <u>1L</u> , 13; Biological Sciences <u>1A</u> , <u>1B</u> , <u>1C</u> , <u>7A</u> , <u>7B</u> , <u>7C</u> , <u>10</u> , 20, <u>30</u> , 40, <u>50</u> , <u>60</u> , <u>70</u> Psychology 4*	At least one of the courses selected from group B1 or B2 must include a lab. Lab courses are indicated by an underline. The chosen lab must be associated with a lecture component and/or connected as a co-requisite or prerequisite.	Select 1 course ; must be completed with a grade of C or better. Mathematics 1, 2, 3, 5, 7, 10, 20, 33, 34, 38, 39, 40, 45, 47 CS 17						
AREA C: ARTS AND HUMANITIES									
Select 3 courses from below, 1 course from Arts , 1 course from Humanities & 1 from either area ; minimum 9 units required									
C1: Arts Select at least 1 course below Art History 1, 4, 5 Arts 2A, 3A, 10 Music 1, 3, 4, 5, 6, 8A, 8B, 13, 34* Photography 67 Theater Arts 1A, 4, 10, 11, 12, 14, 25, 51 Welding Technology 71		C2: Humanities Select at least 1 course below Administration of Justice 88* American Sign Language 2A, 2B Communication Studies 2, 5 Early Childhood Development 61(F16) English 4*(F16), 7*(F16), 11, 12A, 12B, 13A, 20, 32, 35, 41, 44*, 45 French 2A, 2B History* 1, 2, 7(F15), 8(F15), 14(F15), 25(F16), 32(F16) Humanities 3, 6, 7(F16), 10, 28, 44 Music 34* Philosophy 1, 1H, 2, 2H, 3, 4, 5 Religious Studies 1, 2, 3, 11 Spanish 2A, 2B							
AREA D: SOCIAL SCIENCES									
Select 3 courses from below, from at least 2 different disciplines ; minimum of 9 units required									
Administration of Justice 50(F12), 56(F15), 60(F12), 66(F15), 88* Anthropology 1*, 2, 3, 4, 5, 12 Business 30 Communication Studies 4, 10*(F16), 11*(F12) Early Childhood Development 15**, 56*, 62, 79 Economics 1, 2, 5, 10 English 44* Geography 2, 5, 12*, 15		Health 3*(F15) History 1*, 2*, 7*, 8*, 14*, 25*, 28, 32* Marketing 50 Mass Communications 5, 31 Political Science 7, 12, 20, 25, 30 Psychology 1, 3, 4*, 6, 12*, 13, 15**, 25 Psychology Counseling 3, 13 Sociology 1, 3, 4*, 5, 6, 11, 12, 13 Women s Studies 1, 2							
** ECD 15 + Psych 15, maximum credit 3 units									

California State University General Education (GE) Breadth Requirements Las Positas College 2017 - 2018 (Effective Fall 2017)

	Need	Progress In	Complete
USE THE BOXES ON THE RIGHT TO RECORD YOUR PROGRESS: NEED, IN PROGRESS, COMPLETE			
AREA E: LIFELONG LEARNING AND SELF DEVELOPMENT Select 3 units from below. Veterans with DD214 honorable discharge receive waiver for this area and 3 units toward CSU transfer.			
Communication Studies 3 ^(F15) , 10*, 11 ^(F15) Dance** 2A/B, 3, 5A/B Early Childhood Development 54, 56* Health 1, 3* Health Science 55 Kinesiology 21A, 21B, 22A, 24, 30 Kinesiology Activity** AAE, AAQE, AB, AFG, AIE, APA, AQA, AWT, BC1, BC2, BC3, BD1, BD2, BD3, BK, BKP, BL, BSF1, BX, BX2, CYCL1, CYCL2, DBS, DRJ1, DRJ2, DRJ3, DRJ4, DV1, FC, FD, FL1, FL2, FL3, FN1, FN2, FN3, FS1, FS2, FSC, FW1, FW2, FW3, GBW, GF1, GF2, GF3, HHA, ID, JW, LAX1, LG, PF, PL1, PL2, PPA1, SC1, SC2, SD, SI, SW1, SW2, SW3, SW4, SWF1, SWF2, SWF3, SWF4, TDE1, TDE2, TDE3, TDE4, TK1, TK2, TK3, TN1, UF1, UF2, UF3, UF4, VB1, VB2, VB3, WP1, WP2, WP3, WT1, WT2, WTW1, WTW2, XT1, YO1, YO2, YO3, YO4, YO ATH, YOF, ZUM1 Intercollegiate Activity Courses**: KIN 31-65	Nutrition 1 Psychology 10, 12*, 24 Psychology-Counseling 10, 18 ^(F13) , 30 Sociology 4*, 7	E: Lifelong Learning	
** Limit 2 units			
US History, Constitution, and American Ideals: 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 – History 7 & 8	CSU Grad Requirement		
GROUP 2 – Political Science 7 & History 7 or 8 or 25 or 32			

PLEASE NOTE THE FOLLOWING:

1. An asterisk * next to a course indicates that a course may be listed in more than one area but will NOT be certified more than once.
2. Las Positas and Chabot College do not share CSU GE-B or IGETC patterns. If you are interested in taking a course at Chabot please be sure to see a counselor.
3. 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.
4. Completion of the CSU GE Breadth pattern is not an admission requirement. If appropriate for the major, students may complete the minimum eligibility requirements for admission to a CSU – see a counselor for details and advisement.
5. Advanced Placement (AP) exams with passing scores may be applied to the CSU GE-B pattern. For details, see a counselor and/or the AP chart in the Catalog.
6. Request a **CSU GE-B Certification** in the Admissions & Records Office at the end of the last semester before transferring. GE 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 (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.

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC)			
LAS POSITAS COLLEGE 2017-2018 (EFFECTIVE FALL 2017)			
MAY BE USED FOR GENERAL EDUCATION CERTIFICATION FOR THE UNIVERSITY OF CALIFORNIA AND/OR THE CALIFORNIA STATE UNIVERSITY			
1. All courses taken to meet IGETC requirements must be completed with a grade of 'C' or better.	Need	Progress	In
2. Courses may be listed in more than one area but will NOT be certified more than once			
3. For a course to meet an IGETC requirement, the course must be on the IGETC pattern during the academic year it is taken.			
AREA 1: ENGLISH COMMUNICATION			
CSU: Select 3 courses , 1 from 1A, 1B and 1C , total of 9 units required			
UC: Select 2 courses , 1 from 1A and 1B , total of 6 units required			
1A: English Composition	English 1A	1A: Engl Comp	
1B: Critical Thinking/English Composition	English 4 or 7 or Philosophy 8	1B: Crit Thinking	
1C: Oral Communication - CSU only	Communication Studies 1 or 10(F16) or 46	1C: Oral Comm	
AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING			
Select 1 course from below; minimum of 3 units required			
Mathematics 1, 2, 3, 5, 7, 10, 20, 33, 34, 40, 45, 47 or CS 17		2A: Math/Quant	
AREA 3: ARTS AND HUMANITIES			
Select 3 courses from below, at least 1 course from Arts, 1 course from Humanities & 1 from either area minimum of 9 units req.			
3A: ARTS Select at least 1 course from below:			
Art History 1, 4, 5	Photography 67	3A: Arts	
Music 1, 3, 4, 5, 8A, 8B, 13, 34	Theater Arts 4, 10, 11, 12, 14		
3B: HUMANITIES Select at least 1 course from below:			
American Sign Language 2A, 2B	History 1(F15), 2(F15), 7(15), 8(F15),	Philosophy 1, 1H, 2, 2H, 3, 4, 5	3B: Humanities
English 4(F16), 7(F16), 20, 32, 35, 41, 44, 45	14(F15), 25(F16), 32(F16)	Religious Studies 1, 2, 3, 11	
French 2A, 2B	Humanities 3, 6, 7(F16), 10, 28, 44	Spanish 2A, 2B	
	Music 34		3C: Arts or Humanities
AREA 4: SOCIAL AND BEHAVIORAL SCIENCES			
Select 3 courses below, from at least 2 different disciplines; minimum of 9 units required			
Administration of Justice 50(F16), 60(F16), 66(F16)	Early Childhood Dev. 15(F16), 56	Political Science 7, 12, 20, 25, 30	Social/Ben. Sciences
Anthropology 1, 2, 3, 4, 5, 12	Economics 1, 2, 5, 10	Psych. 1, 3, 4, 6, 12, 13, 15(F16), 25	
Communication Studies 4, 10(F16), 11(F16)	Geography 2, 5, 12	Psychology-Counseling 13	
	Health 3(F15)	Sociology 1, 3, 4, 5, 6, 11, 12, 13	Social/Ben. Sciences
	History 1, 2, 7, 8, 14, 25, 28, 32	Women's Studies 1, 2	Social/Ben. Sciences
	Mass Communications 5, 31		
<small>** ECD 15 + Psych 15, maximum credit 3 units</small>			
AREA 5: PHYSICAL SCIENCE AND BIOLOGICAL SCIENCE			
Select 1 Physical Science Course and 1 Biological Science Course from below; minimum 7 units ; 1 course must include a laboratory			
5A: PHYSICAL SCIENCE	5B: BIOLOGICAL SCIENCE	5C: Laboratory Science Requirement	5A: Physical Science
Astronomy 10, 20, <u>30</u>	Anthropology 1, <u>1L</u> , 13	At least one course selected from group 5A or 5B must include a lab. Lab courses are indicated by an underline.	5B: Biological Science
Chemistry <u>1A</u> , <u>1B</u> , <u>12A</u> , <u>12B</u> , <u>30A</u> , <u>30B</u> , <u>31</u>	Biological Sciences: <u>1A</u> , <u>1B</u> , <u>1C</u> , <u>7A</u> , <u>7B</u> , <u>7C</u> , <u>10</u> , <u>20</u> , <u>30</u> , <u>40</u> , <u>50</u> , <u>60</u>	The chosen lab must be associated with a lecture component and/or connected as a co-requisite or prerequisite.	5C: Lab Science
Environmental Studies 5	Psychology 4*		
Geography 1, <u>1L</u> , 8, 12(F16)			
Geology 1, <u>1L</u> , 3, <u>3L</u> , 5, 7, 12, <u>12L</u>			
Physics <u>1A</u> , <u>1B</u> , <u>1C</u> , <u>1D</u> , <u>2A</u> , <u>2B</u> , 10, <u>10L</u>			
AREA 6: LANGUAGE OTHER THAN ENGLISH - UC REQUIREMENT ONLY			
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, French 1A, Italian 1A, Spanish 1A.	6A: LOTE		
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			
Complete 1 group from below. These courses may also be applied to Area 3B or 4 as referenced above.			
GROUP 1: History 7 and History 8	CSU Graduation Requirement		
GROUP 2: Political Science 7 and one of the following: History 7 or 8 or 25 or 32			

FAQS Intersegmental General Education Transfer Curriculum (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 (check with 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? A Minimum Admission

- 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 San Diego's Eleanor Roosevelt and Reville Colleges and UC Berkeley's Haas School of Business will NOT accept IGETC.

Q Can I use Advanced Placement (AP) exams for IGETC?

A YES. AP exams may be applied to IGETC with passing scores. For details, see the AP Chart in the LPC Catalog.

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 (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.

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 college level and generally transferable.
- Courses numbered 100-149 are basic skills courses and are not degree applicable, AS Degree or transfer credit.

29	Independent Study
100-149	Basic Skills*
150-199	Continuing Education Studies
200-299	Non-Credit

**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
- GR Must be taken for a letter grade only
- P/NP Must be taken for pass/no pass 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.

Discipline	Program	AA	AS	AA-T	AS-T	CERT
Administration of Justice	Administration of Justice*	x			x	
	Law Enforcement*					x
Anthropology	Anthropology			x		
Arts	Art: Painting	x				
	Studio Arts			x		
Automotive Technology	Automotive Electronics Technology*		x			
	Automotive Chassis*					x
	Automotive Drivability*					x
Biological Sciences	Biological Sciences	x				
	Biology				x	
	Biology: Allied Health	x				
Business	Accounting Technician*					x
	Administrative Assistant*	x				x
	Bookkeeping*					x\$
	Business*		x			
	Business Administration*	x			x	
	Business Entrepreneurship*	x				x
	Business Workforce Proficiency*					x\$
	Retail Management (WAFC)*					x
Supervisory Management*					x	
Chemistry	Chemistry		x			
	Chemistry Education	x				
Communication Studies	Communication Studies			x		
Computer Information Systems	Administrative Medical Assistant*					x
	Computer Applications Software*					x
	Computer Information Systems*	x				
	Computer Information Technologist*		x			
	Project Management*					x\$
	Web Development*					x\$
Computer Networking Technology	Cisco Network Associate*					x
	Computer Desktop OS Security*					x\$
	Computer Forensics Examiner*					x\$
	Computer Network Administration (Microsoft)*					x\$
	Computer Network Technician*					x\$
	Network Security and Administration*		x			
	Network and Wireless Security*					x\$
Computer Science	Computer Programming*					x
	Computer Programming for the Web*					x
	Computer Science		x			
Early Care and Education	Associate Teacher*					x
	Early Childhood Development*	x				x
	Early Childhood Education*				x	
	Early Childhood Intervention*	x				
	Early Childhood Intervention Assistant*					x
Economics	Economics			x		
Emergency Medical Services	Emergency Medical Services EMT-Paramedic*		x			x
	Emergency Medical Responder*					x\$
Engineering Technology	Engineering Technology*		x			
English	English	x		x		
Environmental Science	Environmental Science		x			
Environmental Studies	Environmental Studies	x				
Fire Service Technology	Fire Service Technology*		x			x
Geography	Geography			x		
Geology	Geology				x	

Discipline	Program	AA	AS	AA-T	AS-T	CERT
Graphic Design & Digital Media	Digital Illustration*					x
	Graphic Design*	x				x
	Print Design*					x
	Web & Interaction Design*					x
Global Studies	Global Studies			x		
Health	Public Health Science				x	
History	History			x		
Horticulture	Horticulture*		x			
	Landscape Design*					x
	Landscape Maintenance and Construction*					x
	Ornamental Horticulture*					x
Humanities	Humanities	x				
Interior Design	Interior Design*		x			x
Kinesiology	Kinesiology			x		x
	Athletic Training/Sports Medicine*					x
Liberal Arts & Sciences <i>(Not a Discipline)</i>	Liberal Arts & Sciences:					
	Business	x				
	Computer Studies	x				
	Arts and Humanities	x				
	Language Arts and Communications	x				
	Mathematics and Science	x				
	Social and Behavioral Sciences	x				
Marketing	Marketing*	x				
	Retailing*					x
Mass Communications	Journalism*			x		
	Mass Communications*	x				
	Mass Communications: Journalism*					x
	Mass Communications: Radio Communications*					x\$
Mathematics	Mathematics				x	
Music	Commercial Music: Music Business*					x
	Commercial Music: Music Technology Fundamentals*					x\$
	Commercial Music: Teaching Beginning Piano*					x
	Commercial Music: Teaching Intermediate Piano*					x
	Music	x		x		
Nutrition	Nutrition and Dietetics				x	
Occupational Safety and Health	Occupational Safety and Health*		x			x
	Occupational Safety*					x\$
Philosophy	Philosophy			x		
Photography	Photography*					x\$
Physics	Physics		x			
Psychology	Psychology			x		
Sociology	Sociology			x		
Theater Arts	Theater Arts	x		x		
	Technical Theater*					x
University Transfer <i>(Not a Discipline)</i>	IGETC (Intersegmental General Education Curriculum)					x
	CSU General Education Breadth					x
Viticulture and Winery Technology	Enology*		x			x
	Viticulture*		x			x
	Wine Hospitality*					x\$
Welding Technology	Welding Technology*		x			x

KEY (students should consult with a counselor for further information)

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

x\$ Career Certificate - are not transcribed; these courses provide industry based professional development.

ADMINISTRATION OF JUSTICE

About the Program

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

Degrees/Certificates

Degree:

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

Certificate 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.

Transferability

The Administration of Justice degrees includes the lower-division degree requirements typical of four-year institutions. While units in this program are transferable to many institutions, students should consult a counselor for transfer information. General education requirements should be selected carefully based on the intended transfer institution. The AA 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. Besides transfer to CSU, the AA degree also transfers to private institutions in California and out of state public and private colleges as well. The AS-T in Administration of Justice guarantees transfer to a CSU.

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 in 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

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

List A: Select Two

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

List B: Select Two

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

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major 18-19

Total Units Required..... 60

AA – Administration of Justice

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.

Freshman Year

AJ 50 (Intro to Admin of Justice)	3
AJ 54 (Investigative Reporting)	3
AJ 60 (Criminal Law).....	3
AJ 61 (Evidence)	3
Electives*.....	0-6
General Education Courses	

Sophomore Year

AJ 63 (Criminal Investigations)	3
AJ 68 (Police Ethics and Leadership)	3
AJ 70 (Community Relations).....	3
EMS 30 (Emergency Medical Responder)	3
Electives*.....	0-6

General Education Courses

Total Units Required.....60

*Electives

Select from the following for a minimum of 6 units:

AJ 55 (Intro to Correctional Science)
AJ 56 (Fundamentals of Crime and Delinquency)
AJ 59 (Child Abuse in the Community)
AJ 64 (Patrol Procedures)
AJ 66 (Juvenile Procedures)
AJ 69 (Sex Crime Investigation)
AJ 71 (Narcotics and Drug Enforcement)
AJ 74 (Gangs and Drugs)
AJ 79 (Homicide Investigation)
AJ 89 (Family Violence)
ANTR 13 (Intro to Forensic Anthropology)
CNT 68 (Digital Forensics Fundamentals)
PSYC 6 (Abnormal Psychology)
PSYC 12 (Life-Span Psychology)
SOC 1 (Principles of Sociology)
SOC 6 (Social Problems)
PSYC 1 (General Psychology)

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

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

Total Units Required.....29.5

Administration of Justice Courses (AJ)

AJ 29 INDEPENDENT STUDY, ADMINISTRATION OF JUSTICE 5-2 UNITS

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4; 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 with a minimum grade of C. 3 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. 3 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. 3 hours lecture. Transfer: CSU, UC; CSU GE: D.

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. 3 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. 3 hours lecture. Transfer: CSU, UC; CSU GE: D; IGETC: 4; C-ID#AJ120.

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. 3 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. 3 hours lecture. Transfer: CSU; C-ID#AJ 140.

Degree Applicable, Credit Grading Option: GR

AJ 64 PATROL PROCEDURES 3 UNITS

Responsibilities, techniques of observation, community relations and methods of police patrol. Emphasis on legal and practical aspects. 3 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. 3 hours lecture. Transfer: CSU, UC; CSU GE: D; IGETC: 4; C-ID#AJ 220.

Degree Applicable, Credit Grading Option: OP

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. 3 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. 3 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

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. 3 hours lecture. Transfer: CSU, UC; C-ID#AJ 160.

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. 3 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. 3 hours lecture. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

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 the death, whether it is murder, suicide, accidental or natural. Emphasis on importance of the death scene related to investigation of cause. 3 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

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. 3 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. 3 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

AJ 9954 WEAPONLESS DEFENSE 2 UNITS

Designed to instruct new and/or potential instructors in the methodologies and practices associated with teaching weaponless defense tactics. Students will develop and be able to demonstrate psycho-motor skill proficiency in suspect control, arrest techniques and searches. Emphasis will also be placed on instructing students in the elements associated with circuit training and physical conditioning self evaluation programs. This course is certified through California Peace Officer Standards and Training (POST). Designed for full-time peace officer, reserve officer or correctional officer. 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 and others in the employ of any California agency that employs peace officers. The student will learn 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.

Degree Applicable, Credit Grading Option: P/NP

AJ 9969 FIREARMS INSTRUCTION 2 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. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AJ 9979 BASIC POLICE CYCLIST 1 UNIT

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 for regular or reserve peace officers in federal, state, or local law enforcement. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AJ 9980 BASIC SNIPER/OBSERVER 1 UNIT

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. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AJ 9982 PATROL RIFLE INSTRUCTOR 1.5 UNITS

The Patrol Rifle Instructor course provides 40 hours of instruction and practical exercises focused on the specific needs of the rifle instructor. The course includes the use and application of the patrol rifle as it

pertains to Law Enforcement and the skills to instruct others in its use and maintenance. Students will gain hands-on experience with the skills to instruct others in its use and maintenance. Students will gain hands-on experience with the patrol rifle and will not be limited to the following topics: nomenclature, disassembly, assembly, loading, unloading, stoppage clearance, principles of marksmanship, patrol deployment, reloading drills, care and cleaning, low light firing, transition drills, use of cover, close quarter battle, moving/multiple targets, firing on the move, malfunction/stoppage drills, adult learning concepts, techniques of instruction, qualification courses of fire and written test. This course is designed for full time sworn law enforcement and/or active duty military firearms instructors. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AJ 9987 BASIC S.W.A.T. 2 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. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AJ 9988 ACADEMY ORIENTATION .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.

Degree Applicable, Credit Grading Option: P/NP

AJ 9995 PATROL RIFLE/CARBINE OPERATOR 0.75 UNITS

The Patrol Rifle/Carbine Operator course is a 24-hour course that provides instruction and practical exercises focused on the specific needs of the police rifle operator. The course includes the use and application of the patrol rifle as it pertains to Law Enforcement and the skills to properly maintain it. Students will gain hands-on experience with the patrol rifle. The class will include, but will not be limited to, the following topics: nomenclature, disassembly, assembly, loading, unloading, stoppage clearance, principles of marksmanship, patrol deployment, reloading drills, care and cleaning, low light firing, transition drills, use of cover, close quarter battle, moving/multiple targets, firing on the move, malfunction/stoppage drills, qualification courses of fire and written test. This course is designed for full-time sworn law enforcement and/or active duty military personnel. 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: Administration of Justice 50, 60, 61, and 70 or employment as a peace officer. Transfer: CSU.

Note: Interested students must contact the Alameda County Sheriff's

Department, Regional Training Center, 6289 Madigan Road, Dublin, California 95468 by calling 925-551-6970.

Degree Applicable, Credit Grading Option: P/NP

AJ 9998 POST BASIC SUPERVISORY 4 UNITS

This course is designed for new supervisors who will learn about counseling sessions, employee behavior (acceptable and unacceptable), evaluation reports, a comparison and contrast of police and supervisory roles, ethical decision making, critical incident response, situational leadership, and problem solving. Prerequisite: Successful completion of a California POST academy and a current or pending promotion to a supervisory rank. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

AMERICAN SIGN LANGUAGE

About the Courses

The Foreign Language program offers primarily first-year and second-year transfer-level courses in American Sign Language (ASL) and Spanish. The American Sign Language program provides an introduction to the language of the Deaf, the Deaf Community, and Deaf Culture. The 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. 3 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. 3 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. 3 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. 3 hours lecture. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B, 6A.

Degree Applicable, Credit Grading Option: GR

ANTHROPOLOGY

About the Program

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.

Degrees/Certificates

Degree:

- 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.

Transferability

Las Positas College offers classes in the four sub-fields of anthropology to prepare students for transfer; all courses articulate to CSU/UC as lower-division units. Students earning the AA-T in Anthropology degree are guaranteed priority admission to CSU and can expect to complete their BA degrees within 60 semester or 90 quarter units. Some variation in requirements exists; therefore, it is essential that the student refer to the catalog of the prospective transfer institution and consult an academic counselor while preparing for transfer.

AA-T – Anthropology

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 Anthropology, students will be able to deconstruct the biological 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

ANTR 1 (Biological/Physical Anthropology)	3
ANTR 2 (Introduction to Archaeology)	3
ANTR 3 (Social/Cultural Anthropology)	3

List A: Select One

ANTR 12 (Magic/Religion/Witchcraft/Healing)	3
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List B: Select One to Two

GEOL 1 (Physical Geology) and GEOL 1L (Physical Geology Laboratory)	4
PSYC 25 (Research Methods) or SOC 13 (Research Methods)	4
GEOG 15 (Introduction to GIS)	3

List C: Select One

Any course from List B not already used

ANTR 4 (Language and Culture)	3
ANTR 5 (Cultures of the U.S. in Global Perspective)	3
ANTR 13 (Intro to Forensic Anthropology)	3
HIST 14 (History and American Cultures of California)	3
HIST 25 (American Indian History)	3
PCN 13 (Multicultural Issues in Contemporary America)	3
SOC 3 (Cultural and Racial Minorities)	3

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major 18-19

Total Units Required.....60

Anthropology Courses (ANTR)

ANTR 1 BIOLOGICAL/PHYSICAL 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B2, D; IGETC: 4, 5B; C-ID#ANTH 110.

Degree Applicable, Credit Grading Option: OP

ANTR 1L BIOLOGICAL/PHYSICAL ANTHRO LAB 1 UNIT

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. 3 hours laboratory. Transfer: CSU, UC; CSU GE: B3; IGETC: 5C.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4; 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). 3 hours laboratory.

Degree Applicable, Credit Grading Option: OP

ANTR 3 SOCIAL/CULTURAL ANTHROPOLOGY 3 UNITS

This course explores how anthropologists study and compare human culture. 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4; 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4; 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

Degree Applicable, Credit Grading Option: GR

ANTR 13 INTRO 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B2; IGETC: 5B.

Degree Applicable, Credit Grading Option: OP

ANTR 29A INDEPENDENT STUDY, CULTURAL ANTHROPOLOGY .5-2 UNITS

For course information, see "Independent Studies".

Grading Option: GR

ANTR 29B INDEPENDENT STUDY, BIOLOGICAL ANTHROPOLOGY .5-2 UNITS

For course information, see "Independent Studies".

Grading Option: GR

ANTR 29C INDEPENDENT STUDY, ARCHAEOLOGY/ PREHISTORY .5-2 UNITS

For course information, see "Independent Studies".

Grading Option: GR

ANTR 29D INDEPENDENT STUDY, LINGUISTIC ANTHROPOLOGY .5-2 UNITS

For course information, see "Independent Studies".

Grading Option: GR

ART & ART HISTORY

About the Program

Art and technology are the yardsticks of civilization. In the case of visual art, the expression of 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.

Degrees/Certificates

Degree:

- AA-T – Studio Art
- AA – Art: 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.

Transferability

This program 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.

AA-T – Studio Arts

About the Degree

The study of art encompasses a variety of media to express human thoughts, interests, attitudes, emotions, and ideas. Visual artists generally fall into one of two broad categories: designers or fine artists. Designers put their artistic skills to use in the service of commercial clients such as corporations, retail stores, advertising agencies, design, and publishing firms. Fine artists create art to satisfy their need for self-expression and may display their work in galleries, museums, and homes. Often, they specialize in one or more forms of art such as painting, sculpting, printmaking, or design. Fine arts is a complex field because the fine artist is most often his/her own employer and promoter. Because it may take many years to develop a career as a successful artist, most graduates initially seek to earn a living by means other than sales of their personal work. This process takes determination and perseverance with no strictly defined career path. The career choices are very individual. For some, this might mean a position in an arts organization (museum, gallery, etc.) or a design support position. Some art students prepare to teach. It is not unusual for fine artists to experiment with different options for a few years. It is

advisable for art students to prepare for the job market by developing strong computer skills. Knowledge of business as it relates to one's career is helpful for any artist. The role of the artists in society is unique, and a major in studio art can result in a rewarding career path. Artists are creative problem solvers, enjoy experimentation, are self-disciplined, and are visually aware.

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

Artist, designer, graphic designer, art director, layout artist, illustrator (scientific, medical, fashion, etc.), animator, art teacher, art therapist, art historian, museum curator, gallery assistant, art consultant, and art restorer.

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

ARHS 5 (Art History: Renaissance to Modern).....	3
ARTS 23 (2-D Design)	3
ARTS 24 (3-D Design)	3
ARTS 2A (Introduction to Drawing)	3

List A

ARHS 4 (Art History: Ancient).....	3
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List B: Select Three

ARTS 3A (Figure and Composition I) or ARTS 2B (Drawing and Composition).....	3
ARTS 7A (Introduction to Watercolor Painting) or ARTS 12A (Oil/Acrylic Painting: Beginning I) or ARTS 13A (Acrylic Painting: Beginning I)	3

ARTS 26 (Color Theory).....3
 ARTS 3B (Figure and Composition II) or
 ARTS 12B (Oil/Acrylic Painting: Beginning II) or
 ARTS 13B (Acrylic Painting: Beginning II)3

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major24

Total Units Required.....60

AA – Art: Painting

Program Outcomes

- Upon completion of the AA in Art: Painting, the student should be able to apply creative thinking through the production of original artworks.
- Upon completion of the AA in Art: 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: 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: Painting, the student should be able to demonstrate technical proficiency in use of art media, tools, processes and technology.

Freshman Year

ARTS 2A (Introduction to Drawing)3
 ARTS 2B (Drawing and Composition)3
 ARTS 12A (Oil/Acrylic Painting: Beginning I).....3
 ARTS 12B (Oil/Acrylic Painting: Beginning II)3
 ARTS 3A (Figure and Composition I).....3
 ARHS 1 (Introduction to Art).....3
 General Education Courses

Sophomore Year

ARHS 4 (Art History: Ancient).....3
 ARHS 5 (Art History: Renaissance to Modern).....3
 ARTS 12C (Oil/Acrylic Painting: Advanced I)3
 ARTS 12D (Oil/Acrylic Painting: Advanced II)3
 ARTS 3B (Figure and Composition II)3
 ARTS 23 (2-D Design)3
 ARTS 7A (Introduction to Watercolor Painting)3
 ARTS 24 (3-D Design)3

General Education Courses

Total Units Required 60

Art History Courses (ARHS)

ARHS 1 INTRODUCTION TO ART 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 with a minimum grade of C. 3 hours lecture. AA/AS GE.

Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

Degree Applicable, Credit Grading Option: OP

ARHS 4 ART HISTORY: ANCIENT 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: ENG 1A with a minimum grade of C. 3 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 ART HISTORY: RENAISSANCE TO MODERN 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. Strongly Recommended: ENG 1A with a minimum grade of C. 3 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. 2 hours lecture, 3 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. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 hours laboratory. AA/AS GE. Transfer: CSU.

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. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU, UC.

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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU, UC.

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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 12D OIL/ACRYLIC PAINTING: ADVANCED II 3 UNITS

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. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 13A ACRYLIC PAINTING: BEGINNING I 3 UNITS

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. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 13B ACRYLIC PAINTING: BEGINNING II 3 UNITS

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. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 13C ACRYLIC PAINTING: ADVANCED I 3 UNITS

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. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

ARTS 13D ACRYLIC PAINTING: ADVANCED II 3 UNITS

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. 1.5 hours lecture, 4.5 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, including the study of the basic principles and elements of line, shape, texture, value, color and spatial illusion. Development of a visual vocabulary for creative expression through lecture presentations, studio projects, problem solving, and written assignments. 2 hours lecture, 4 hours studio. 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. 1.5 hours lecture, 4.5 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 and its interaction. Major color theorists will be presented such as Itten and Albers. Assignments will include creative application of color theory in various media including computers. Development of a visual vocabulary for creative expression through lecture presentations, studio projects, problem solving, and written assignments. 2 hours lecture, 4 hours studio. Transfer: CSU, UC; C-ID#ARTS 270.

Degree Applicable, Credit Grading Option: OP

ARTS 29 INDEPENDENT STUDY, STUDIO ARTS .5-2 UNITS

For course information, see "Independent Studies"

ASTRONOMY

About the Courses

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.

Transferability

The astronomy courses and labs offered at Las Positas College will satisfy the physical science general education requirements at most four-year institutions. Individual transfer institutions should be consulted for the exact general education courses required. With further study, career opportunities for astronomers 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 an astronomer's skill set is versatile, astronomers 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.

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. 3 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1; IGETC: 5A

Degree Applicable, Credit Grading Option: OP

ASTR 29 INDEPENDENT STUDY, ASTRONOMY .5-2 UNITS

For course information, see "Independent Studies"

Grading Option: GR

ASTR 30L INTRODUCTION TO ASTRONOMY LAB 1 UNIT

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). 3 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B3; IGETC: 5A.

Degree Applicable, Credit Grading Option: OP

AUTOMOTIVE TECHNOLOGY

About the Program

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.

Degrees/Certificates

Degree:

- AS – Automotive Electronics Technology

Certificate 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/AUTO/index.php>

Transferability

While units in this program are transferable to many institutions, students should consult a counselor for information. Students desiring to complete the Associate in Science degree in Automotive Technology within a two-year time-frame should plan ahead because not all classes are offered every semester.

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.

Freshman Year

AUTO A6 (Electrical/Electronic Systems)	5
AUTO A8 (Engine Performance)	5
AUTO A1 (Engine Repair)	4
AUTO A2 (Automatic Transmission/Transaxle)	4
AUTO A3 (Manual Drive Train and Axles)	4

Sophomore Year

AUTO A4 (Suspension and Steering)	4
AUTO A5 (Brakes)	4
AUTO A7 (Automotive Heating and Air Conditioning)	4
AUTO LABA (Automotive Lab)	2

Elective for Major (Choose 1)

AUTO L1 (Advanced Engine Performance)	5
AUTO SDR (Specified Diagnostic and Repair)	5

Program Based GE (Choose 1)

CMST 1 (Fundamentals of Public Speaking)	3
CMST 10 (Interpersonal Communication)	3

GENERAL EDUCATION AND ELECTIVES

Total Units Required	60
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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.

Freshman Year

AUTO INTR (Automotive Service and Introduction)	4
AUTO A4 (Suspension and Steering)	4
AUTO A5 (Brakes)	4
AUTO A6 (Electrical/Electronic Systems)	5

Sophomore Year

AUTO LABA (Automotive Lab)	2
AUTO A7 (Automotive Heating and Air Conditioning)	4

Total Units Required	23
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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.

Freshman Year

AUTO INTR (Automotive Service and Introduction)	4
AUTO A1 (Engine Repair)	4
AUTO A6 (Electrical/Electronic Systems)	5
AUTO A8 (Engine Performance)	5

Sophomore Year

AUTO LABA (Automotive Lab)	2
AUTO L1 (Advanced Engine Performance)	5
AUTO L3 (Light Duty Hybrid/Electric Vehicles)	4

Total Units Required	29
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Automotive Technology (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) 2 hours lecture, 6 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) 2 hours lecture, 6 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) 2 hours lecture, 6 hours laboratory. Transfer: CSU.

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. 6 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AUTO L1 ADVANCED ENGINE PERFORMANCE 5 UNITS

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) 3 hours lecture, 6 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AUTO L1L2 SMOG LEVEL ONE AND LEVEL TWO 5.5 UNITS

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. 5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**AUTO L3 LIGHT DUTY HYBRID/
ELECTRICAL VEHICLES 4 UNITS**

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). 2 hours lecture, 6 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

AUTO SDR SPECIFIED DIAGNOSTIC AND REPAIR 5 UNITS

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. 4 hours lecture, 3 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

BIOLOGICAL SCIENCES

About the Program

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 Biological Sciences, 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 Biological Sciences, 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.

Degrees/Certificates

Degree:

- AS-T – Biology
- AA – Biological Sciences
- AA – Biology: Allied Health

Transferability

The AA in Biological Sciences degree is designed to prepare students for transfer; however, completion of this AA degree also provides entry-level opportunities for laboratory technicians in industry and the academic environment. This program 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 also refer to the catalog of the prospective transfer institution and consult a counselor.

AS-T - Biology

About the Degree

The Las Positas College Biology program offers courses that lead to an Associate in Science in Biology for Transfer degree. The Associate in 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) 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

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

BIO 1A (General Botany)	5
BIO 1B (General Zoology).....	5
BIO 1C (Cell and Molecular Biology).....	5

List A

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

General Education (IGETC for STEM only) and Electives

Total Units for the Major	38
Total Units Required.....	60

AA - Biological Sciences

About the Degree

The AA – Biological Sciences degree provides students with a strong biology and chemistry foundation to prepare students for entry-level

opportunities in academia and industry for further pursuits in higher education and specialized careers. The AA-Biology degree is designed to prepare students for transfer by fulfilling typical lower-division requirements at four-year institutions. Some variation in degree requirements may exist at a particular four-year institution; therefore, it is essential that the student refer to the catalog of the prospective transfer institution and consult a counselor.

Program Outcomes

- Upon successful completion of an AA in Biological Sciences, 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 Biological Sciences, 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 Biological Sciences, students are proficient in standard biology lab techniques and lab safety procedures.

Freshman Year

BIO 1A (General Botany)	5
BIO 1B (General Zoology).....	5
CHEM 1A (General College Chemistry I)	5
CHEM 1B (General College Chemistry II).....	5
General Education Courses	

Sophomore Year

BIO 1C (Cell and Molecular Biology).....	5
PHYS 2A* (Introduction to Physics I).....	4
PHYS 2B** (Introduction to Physics II).....	4
General Education Courses	

Total Units Required.....60

*Fall only

**Spring only

AA - Biology: Allied Health

About the Degree

The AA – Biology (Emphasis in 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.

Freshman Year

BIO 7A (Human Anatomy)	5
CHEM 30A (Intro and Applied Chemistry I)	4
CHEM 30B (Intro and Applied Chemistry II)	4

General Education Courses

Sophomore Year

BIO 7B (Human Physiology)	5
BIO 7C (Microbiology)	5

General Education Courses

Total Units Required.....60

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. 3 hours lecture, 6 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B2, B3; IGETC: 5B, 5C; C-ID#BIOL 155.

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. 3 hours lecture, 6 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B2, B3; IGETC: 5B, 5C; C-ID#BIOL 150.

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. 3 hours lecture, 6 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B2, B3; IGETC: 5B, 5C; C-ID#BIOL 190.

Degree Applicable, Credit Grading Option: GR

BIO 7A HUMAN ANATOMY 5 UNITS

Structure and function of the human body with emphasis on microscopic, gross, and developmental anatomy. Microscopic examination of normal and pathological tissues, and dissection, supplemented by use of charts, models, and computer assisted instruction. Prerequisite: BIO 30 with a minimum grade of C. Strongly Recommended: Eligibility for ENG 1A. 3 hours lecture, 6 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B2, B3; IGETC: 5B, 5C; C-ID#BIOL 110. *Combined BIO 7A, 7B and 50, maximum 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. 3 hours lecture, 6 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B2, B3; IGETC: 5B, 5C; C-ID#BIOL 120. *Combined BIO 7A, 7B and 50, max 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. 3 hours lecture, 6 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. 3 hours lecture, 3 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B2, B3; IGETC: 5B, 5C. *BIO 10 and 30 combined maximum credit one course. No 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B2; IGETC: 5B.

Degree Applicable, Credit Grading Option: GR

BIO 29B INDEPENDENT STUDY, BIOLOGY .5-2 UNITS

For course information, see "Independent Studies"

BIO 29T INDEPENDENT STUDY, BOTANY .5-2 UNITS

For course information, see "Independent Studies"

BIO 29Z INDEPENDENT STUDY, ZOOLOGY .5-2 UNITS

For course information, see "Independent Studies"

BIO 30 INTRO TO COLLEGE BIOLOGY 4 UNITS

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 or MATH 110B and eligibility for ENG 1A. 3 hours lecture, 3 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B2, B3; IGETC: 5B, 5C. *BIO 10 and 30 combined: maximum credit one course. No credit for BIO 10 and 30 if taken after 1C.

Degree Applicable, Credit Grading Option: GR

BIO 40 HUMANS AND THE ENVIRONMENT 3 UNITS

Identification of problems created by humans' modification of their environment by focusing on ecological interactions involving the human species; investigating the life processes of organisms as they relate to specific environments. 3 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. 3 hours lecture, 3 hours laboratory. Transfer: CSU, UC*; CSU GE: B2, B3; IGETC: 5B, 5C. *7A, 7B and 50 combined max credit two courses.

Degree Applicable, Credit Grading Option: GR

BIO 55 ORIENTATION TO HEALTH CARE 2 UNITS

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. 2 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. 3 hours lecture, 3 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 for non-science majors. 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. Required field trips to local and regional habitats focus on seasonally relevant events, processes, and appropriate methodologies to study these communities. 2 hours lecture, 3 hours laboratory. AA/AS GE. Transfer: CSU; CSU GE: B2, B3.

Degree Applicable, Credit Grading Option: GR

BUSINESS

About the Program

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.

Degrees/Certificates

Degree:

- AS-T – Business Administration
- AS – Business
- AA – Business Administration
- AA – Business Entrepreneurship
- AA – Administrative Assistant

Certificate of Achievement:

- Accounting Technician
- Administrative Assistant
- Business Entrepreneurship
- Retail Management (WAFB)
- Supervisory Management

Career Certificate:

- 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.

Transferability

A majority of the Business courses transfer to four-year universities and may fulfill typical lower division major requirements for business related majors. Variation in requirements may exist at particular four-year universities; therefore, it is essential that the student refer to the catalog of the prospective transfer institution and consult a counselor.

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 in 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: Select Five

BUSN 1A (Financial Accounting)	4
BUSN 1B (Managerial Accounting)	4
ECON 1 (Principles of Microeconomics)	3
ECON 2 (Principles of Macroeconomics)	3
BUSN 18 (Business Law)	4

List A: Select One

MATH 34 (Calculus for Business and Social Sciences)	5
MATH 40 (Statistics and Probability)	4

List B: Select Two

Any LIST A course not already used	
CIS 50 (Intro to Computing Info Tech)	3
BUSN 40 (Introduction to Business)	3

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major	28-30
Total Units Required.....	60

AS – Business

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.

Freshman Year

BUSN 48 (Human Relations in Organizations) or BUSN 52 (Business Communications).....	3
BUSN 40 (Introduction to Business)	3
BUSN 55** (Business Mathematics)	3
BUSN 51 (General Accounting) or BUSN 1A (Financial Accounting)	3-4
CIS 50 (Intro to Computing Info Tech)	3
ECON 10*** (General Economics) or ECON 1*** (Principles of Microeconomics)	3
Electives*	1-4
General Education Courses§	

Sophomore Year

MKTG 50 (Introduction to Marketing)	3
BUSN 30*** (Business Ethics and Society) or BUSN 20 (International Business)	3
CIS 88A (Introduction to Microsoft Word) and CIS 88B (Advanced Microsoft Word).....	3
CIS 55 (Integrating Office Applications)	4
BUSN 18 (Business Law)	4
BUSN 53 (Business Correspondence) or BUSN 43 (Professional Communications)	3-4
BUSN95(Business Work Experience)	1-3
BUSN96 (Business Work Experience Seminar)	1
Electives*	1-4

General Education Courses§

Total Units Required.....60

§ Program-based General Education requirement.

CMST 10 or CMST 11

*Electives

Select from the following for a minimum of 1 unit:

CIS 54 (Excel: Intro to Spreadsheets)
CIS 71 (Computer Typing)
CIS 72A (Data Management)
CIS 72B (Spreadsheet Integration with Word Processing)
CIS 75 (Office Technology/ Communications)
BUSN 56 (Introduction to Management)
Any Marketing Course (except MKTG 50)

** Meets Communications and Analytical Thinking requirement

***Meets Social and Behavioral Sciences requirement

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.

Freshman Year

BUSN 40 (Introduction to Business)	3
BUSN 18 (Business Law)	4
CIS 50 (Intro to Computing Info Tech)	3
ECON 2 (Principles of Macroeconomics)	3
MATH 33 (Finite Mathematics) or MATH 34 (Calculus for Business and Social Sciences)	3-5

Select from the following for a minimum of 1 unit:

CIS 71ABC (Computer Typing) or	1-4
LIBR 4, 5, 6, or 7 (Library Skills).....	5 each
General Education Courses	

Sophomore Year

BUSN 1A (Financial Accounting)	4
ECON 1 (Principles of Microeconomics).....	3
MATH 41 (Statistics for Business Majors) or MATH 40 (Statistics and Probability)	4-5
BUSN 1B (Managerial Accounting).....	4

General Education Courses

Total Units Required.....60

AA – Business Entrepreneurship

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.

Freshman Year

BUSN 48 (Human Relations in Organizations)	3
BUSN 40 (Introduction to Business)	3
BUSN 55** (Business Mathematics)	3
BUSN 43 (Professional Communications) or BUSN 53 (Business Correspondence)	3
BUSN 51 (General Accounting) or BUSN 1A (Financial Accounting)	3-4
MKTG 50 (Introduction to Marketing)	3
ECON 10*** (General Economics) or ECON 1*** (Principles of Microeconomics)	3
Recommended Electives*	
General Education Courses	

Sophomore Year

BUSN 18 (Business Law)	4
CIS 50 (Intro to Computing Info Tech)	3
BUSN 58 (Small Business Management) or MKTG 60 (Retail Store Management)	3
BUSN 56 (Introduction to Management)	3
BUSN 95 (Business Work Experience)	1-3
BUSN 96 (Business Work Experience Seminar)	1
Recommended Electives*	

General Education Courses

Total Units Required.....60

**Recommended Electives*

BUSN 20 (International Business)
BUSN 30 (Business Ethics and Society)
BUSN 52 (Business Communications)
CIS 54 (Excel: Intro to Spreadsheets)
CIS 71 (Computer Typing)

***Meets Communications and Analytical Thinking requirement*

****Meets Social and Behavioral Sciences requirement*

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

Freshman Year

CIS 50 (Intro to Computing Info Tech)	3
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CIS 73A (Ten-Key Skill Development)	1
CIS 75 (Office Technology/Communications)	1
CIS 88A (Introduction to Microsoft Word).....	1.5
CIS 88B (Advanced Microsoft Word).....	1.5
CIS 74 (Office Procedures).....	3
CIS 43 (Professional Communications) or BUSN 43 (Professional Communications)	3
BUSN 40 (Introduction to Business)	3
BUSN 51 (General Accounting) or BUSN 1A (Financial Accounting)	3-4
Electives*.....	3
General Education Courses	

Sophomore Year

CIS 72A (Data Management)	1
CIS 55 (Integrating Office Applications)	4
BUSN 48 (Human Relations in Organizations)	3
CIS 54 (Excel: Intro to Spreadsheets)	4
CIS 89A (Desktop Presentation)	1
BUSN 95 (Business Work Experience) or BUSN 96 (Business Work Experience Seminar)	1-3
Electives*.....	0-3

General Education Courses

Total Units Required.....60

*Electives

Select from the following for a minimum of 6 units:

CIS 57 (Database Concepts)
CIS 59A (Web Development: HTML/ XHTML)
CIS 66 (Networking Fundamentals)
CIS 89B (Desktop Publishing)
CIS 72B (Spreadsheet Integration with Word Processing)
MKTG 50 (Introduction to Marketing)
BUSN 56 (Introduction to Management)

Keyboarding Competency for AA - 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.

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.

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 Required.....	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.

CIS 73A (Ten-Key Skill Development)	1
CIS 72A (Records and Data Management)	1
CIS 72B (Spreadsheet Integration with Word Processing)	1
CIS 75 (Office Technology/Communications)	1
CIS 74 (Office Procedures).....	3
CIS 43 (Professional Communications) or BUSN 43 (Professional Communications)	3
CIS 50 (Intro to Computing Info Tech)	3
CIS 88A (Introduction to Microsoft Word) and CIS 88B (Advanced Microsoft Word).....	3
CIS 89A (Desktop Presentation)	1
BUSN 51 (General Accounting)	3
CIS 55 (Integrating Office Applications for Personal Computers) or CIS 54 (Excel: Intro to Spreadsheets)	4
BUSN 40 (Introduction to Business)	3
BUSN 48 (Human Relations in Organizations)	3
Total Units Required.....	31

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

MKTG 50 (Introduction to Marketing)	3
BUSN 18 (Business Law)	4
BUSN 51 (General Accounting) or BUSN 1A (Financial Accounting).....	3-4
BUSN 58 (Small Business Management) or MKTG 60 (Retail Store Management) or BUSN 56 (Introduction to Management).....	3
BUSN 45 (Entrepreneurship).....	3
BUSN 40 (Introduction to Business)	3
CIS 55 (Integrating Office Application)	4
BUSN 52 (Business Communications) or BUSN 53 (Business Correspondence)	3
BUSN 48 (Human Relations in Organizations) or MKTG 61 (Professional Selling)	3
Total Units Required.....	29-30

Certificate of Achievement Retail Management (WAFC)

About the Certificate

The Retail Management Certificate offers the skills 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 a part of the White House's Upskill Initiative, and leading organizations and foundations 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 and with over 42 million people employed, and responsible for 1 in 4 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

BUSN 48 (Human Relations in Organizations)	3
BUSN 56 (Introduction to Management)	3

BUSN 88 (Human Resources Management)	3
MKTG 50 (Introduction to Marketing)	3
MKTG 60 (Retail Store Management)	3
CIS 55 (Integrating Office Application)	4

List A: Select One

BUSN 1A (Financial Accounting)	4
BUSN 51 (General Accounting)	3

List B: Select One

BUSN 43 (Professional Communications)	3
BUSN 53 (Business Correspondence)	3
CMST 10 (Interpersonal Communication)	3

Total Units Required..... 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 for 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

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
 WRKX 94 (Occupational Work Experience/Internship) or
 WRKX 95 (General Work Experience)..... 3 - 6

List A: Select one

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
Total Units Required..... 24-28

**Career Certificate
 Bookkeeping §**

Program Outcomes

- Upon completion of the Career Certificate 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.

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 Required..... 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.*

**Career Certificate
 Business Workforce Proficiency §**

Program Outcomes

- Upon completion of the Career Certificate 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 Career Certificate 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 Career Certificate 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 Career Certificate 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 Career Certificate in Business Workforce Proficiency, students will be able to identify the primary business operations, business organizational options, and business procedures.
- PCN 15 (College Study Skills) 2
 BUSN 48 (Human Relations in Organizations) 3
 CIS 43 (Professional Communications) or
 BUSN 43 (Professional Communications) 3
 CIS 74 (Office Procedures)..... 3
 BUSN 40 (Introduction to Business) 3
 Elective Units* 1
Total Units Required..... 15

**Electives*

Select from the following for a total of 1 unit:

- CIS 72A (Data Management)
- CIS 72B (Spreadsheet Integration with Word Processing)
- CIS 73A (Ten-Key Skill Development)
- CIS 75 (Office Technology/Communications)
- CIS 84 (Windows)
- CIS 89A (Desktop Presentation)

§ *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 Achievement –
 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, the classified financial statements for merchandising and service companies, and statement analysis. Also includes issues related to asset, liability and equity valuation; revenue and expense recognition, cash flow, internal controls and ethical standards. (Formerly known as Principles of Accounting I.) 4 hours lecture, 1 hour 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. 4 hours lecture, 1 hour 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. 4 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. 3 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. 3 hours lecture. AA/AS GE. Transfer: CSU; CSU GE: D.

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. 3 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. 3 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. 3 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. 3 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. 3 hours lecture, 1 hour 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. 3 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. 3 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. 3 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. 3 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. 3 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. 1 hour lecture, 1.5 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. 2 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. 3 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. Medicaid, workers' compensation, disability Insurance, and private insurance carriers in inpatient and outpatient care are also reviewed. HIPPA and other federal legislation, rules, and regulations involving patient confidential information will be analyzed. 3 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. 3 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CHEMISTRY

About the Program

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.

Degrees/Certificates

Degree:

- AS – Chemistry
- AA – 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 AA 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.

Transferability

The AS Chemistry degree fulfills the lower-division course requirements for transfer majors in chemistry, engineering, biology, physics, and other related fields or for pre-professional studies in medicine, dentistry, or pharmacy. The AA in Chemistry Education degree fulfills the lower-division course requirements for most four-year BA Chemistry programs designed for future high school and middle school science teachers and for single subject teacher preparation in science with a concentration in chemistry. An AA in Chemistry Education would also be an appropriate transfer preparation for students considering chemistry-related interdisciplinary fields. For both of these pathways, general education requirements should be selected carefully based on the intended transfer institution, so students should also refer to the catalog of the prospective transfer institution and consult a counselor.

AS – Chemistry

About the Degree

The AS - Chemistry degree offers courses that fulfill many academic requirements including: Prerequisite courses for entry into allied health fields including nursing and dental hygiene Majors courses for transfer to four-year institutions for continued study in the areas of chemistry, biology, physics, engineering, and other related fields Courses for pre-professional studies in medicine, dentistry, or pharmacy

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.

Freshman Year

CHEM 1A** (General College Chemistry I)	5
CHEM 1B (General College Chemistry II).....	5
MATH 1* (Calculus I)	5
MATH 2 (Calculus II)	5
PHYS 1A (General Physics I)	5
Recommended Electives*	
General Education Courses§	

Sophomore Year

CHEM 12A (Organic Chemistry I)	5
CHEM 12B (Organic Chemistry II)	5
MATH 3 (Multivariable Calculus)	5
PHYS 1B (General Physics II) or PHYS 1C (General Physics III)	5
Recommended Electives*	
General Education Courses§	

§ Program-based General Education requirement (may be taken either freshman or sophomore year) from one of the following courses:

BIO 40 (Humans and the Environment) or BIO 30 (Intro to College Biology) or CS 1 (Computing Fundamentals 1)	
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Total Units Required.....60

*Recommended Electives:

PHYS 1B (General Physics II) or PHYS 1C (General Physics III)¥	
PHYS 1D (General Physics IV)	
MATH 5 (Ordinary Differential Equations)	
MATH 7 (Elementary Linear Algebra)	
CS 1 (Computing Fundamentals I)	

* Fulfills Communication and Analytical Thinking requirement

** Fulfills the Natural Science requirement for the AS degree.

¥ Physics 1B and Physics 1C may be used either to fulfill core requirements or recommended electives, but may not be double-counted for both areas.

To remain in a chemistry class a student must demonstrate competency in chemistry lab safety procedures by receiving a satisfactory score on the safety quiz administered during the NGR period.

AA – Chemistry Education

About the Degree

The AA 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 AA 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 AA in Chemistry Education would also be an appropriate transfer preparation for students considering chemistry-related interdisciplinary fields.

Program Outcomes

- Upon completion of the AA 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 AA 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.

Freshman Year

BIO 30 (Intro to College Biology).....	4
CHEM 1A** (General College Chemistry I).....	5
CHEM 1B (General College Chemistry II).....	5
MATH 1* (Calculus I).....	5
MATH 2 (Calculus II).....	5
General Education Courses	

Sophomore Year

CHEM 12A (Organic Chemistry I).....	5
CHEM 12B (Organic Chemistry II).....	5
PHYS 2A (Introduction to Physics I).....	4
PHYS 2B (Introduction to Physics II).....	4

General Education Courses

Total Units Required.....60

*Fulfills Communication and Analytical Thinking Requirement

**Fulfills Natural Sciences requirement

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. 3 hours lecture, 6 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID#CHEM110, CHEM 120 (if taken with CHEM 1B) combined: max 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. 3 hours lecture, 6 hours laboratory. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID#CHEM 120 (if taken with CHEM1A) *CHEM 1B and 30B combined: max 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. 3 hours lecture, 6 hours laboratory. Transfer: CSU, UC; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID#CHEM 150, CHEM 160 (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. 3 hours lecture, 6 hours laboratory. Transfer: CSU, UC; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID#CHEM 160 (if taken with CHEM 12A).

Degree Applicable, Credit Grading Option: GR

CHEM 29 INDEPENDENT STUDY, CHEMISTRY .5-2 UNITS

For course information, see "Independent Studies"

Grading Option: GR

CHEM 30A INTRO AND APPLIED CHEMISTRY I 4 UNITS

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. 3 hours lecture, 3 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C. *CHEM 1A and 30A combined: max UC credit; one course.

Degree Applicable, Credit Grading Option: GR

CHEM 30B INTRO AND APPLIED CHEMISTRY II 4 UNITS

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. 3 hours lecture, 3 hours laboratory. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C. *CHEM 1B and 30B combined: max UC credit; one course.

Degree Applicable, Credit Grading Option: GR

CHEM 31 INTRO TO COLLEGE CHEMISTRY 4 UNITS

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. 3 hours lecture, 3 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

About the Program

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>

Degrees/Certificates

Degree:

- AA-T – Communication Studies

Transferability

This program fulfills typical lower-division requirements at four-year transfer institutions and offers opportunities to participate in intercollegiate competition in the areas of public speaking and oral interpretation. 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, and guarantees admission into the CSU system. Some variation in requirements may exist at a particular four-year college or university; therefore, it is essential that the student also refer to the catalog of the prospective transfer institution and consult a counselor.

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) 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 diversity and the psychology 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 Communication Studies AA-T, the student will be able to describe the Communication discipline and its central questions.
- Upon successful completion of the Communication Studies AA-T, the student will be able to employ communication theories, perspectives, principles, and concepts.
- Upon successful completion of the Communication Studies AA-T, the student will be able to engage in communication inquiry.
- Upon successful completion of the Communication Studies AA-T, the student will be able to create and deliver messages appropriate to the audience, purpose, and context.
- Upon successful completion of the Communication Studies AA-T, the student will be able to critically analyze messages.
- Upon successful completion of the Communication Studies AA-T, the student will be able to apply ethical communication principles and practices.
- Upon successful completion of the Communication Studies AA-T, the student will be able to utilize communication to embrace difference.

Required Core

CMST 1 (Fundamentals of Public Speaking)3

List A: Select Two

CMST 46 (Argumentation and Debate)	3
CMST 10 (Interpersonal Communication)	3
CMST 3 (Group Communication)	3

List B: Select Two

Any List A Course not already used.

CMST 48 (Activities in Forensics).....	1-4 (3 Units Maximum)
CMST 11 (Intercultural Communication)	3
CMST 2 (Oral Interpretation of Literature)	3

List C: Select One

Any List A or B course not already used.

CMST 5 (Readers Theater)	3
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GENERAL EDUCATION AND ELECTIVES

Total Units for the Major18

Total Units Required.....60

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. 3 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2.

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. 3 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

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. 3 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: A1, D, E; IGETC: 1C, 4.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D, E; IGETC: 4.

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. 3 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. 3-12 hours laboratory. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

COMPUTER INFORMATION SYSTEMS

About the Program

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.

Degrees/Certificates

Degree:

- AA – Computer Information Systems
- AS – Computer Information Technologist

Certificate of Achievement:

- Administrative Medical Assistant
- Computer Applications Software

Career Certificate:

- 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>

Transferability

A majority of the Computer Information Systems courses transfer to four-year universities and may fulfill some lower division major requirements. The course content will prepare students for further study at the upper division level in majors such as Information Technology, Management Information Systems, and Networking and Data Communications. Variation in requirements may exist at particular four-year universities; therefore, it is essential that the student refer to the catalog of the prospective transfer institution and consult a counselor.

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. 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.
- Upon successful completion of the AA in Computer Information Systems, 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.

Required Core

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 for a total of 12 to 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

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major.....	37-38
Total Units Required.....	60

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

CS 7 (Introduction to Computer Programming Concepts)	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
CS 1 (Computing Fundamentals I) or CS 31 (Java Programming)	4
CIS 43 (Professional Communications).....	3
CIS 9002 (ORACLE: Database Design and SQL Programming)	3
CIS 60 (Systems Analysis and Design)	3
CNT 69 (Network Security Sec+)	3
CS 41 (Intro to Linux/LPI Linux+ Certification) or CNT 7401 (Intro to Linux/LPI Linux+ Certification)	3
WRKX 94 (Occupational Work Experience/Internship) or WRKX 95 (General Work Experience) or CS 47 (Capstone Project)	3

List A:

Select from the list below for a total of 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)	2

Program Based GE

CIS 50 (Intro to Computing Info Tech)	3
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GENERAL EDUCATION AND ELECTIVES

Total Units for the Major	40
Total Units Required.....	60

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.

Required Core

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 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

BUSN 43 (Professional Communications)	3
CIS 43 (Professional Communications).....	3

List B: Select One

WRKX 94 (Occupational Work Experience/Internship)	3
WRKX 95 (General Work Experience).....	3

Total Units Required.....	26.5
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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 (Microcomputers), 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 (Microcomputers), it is anticipated that students will be able to analyze a business problem and develop a solution using appropriate application software.

Required Core

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
CIS 65 (Introduction to Desktop Operating Systems) or CIS 84 (Windows)	1

List A: Programming and Web Design Options: Select two

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 courses for a total of 4 to 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
Total Units Required	34-37

Career Certificate 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 Career Certificate 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 Career Certificate 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

CIS 50 (Intro to Computing Info Tech)	3
CIS 60 (Systems Analysis and Design)	3
CIS 62 (Project Management)	3

List A: Select One

CIS 43 (Professional Communications)	3
CIS 54 (Excel: Intro to Spreadsheets)	4
BUSN 52 (Business Communications)	3
BUSN 56 (Introduction to Management)	3

Total Units Required..... 12-13

§ 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.

Career Certificate 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 Career Certificate 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 Career Certificate in Web Development, it is anticipated that students will be able to create web pages that incorporate JavaScript controls.

Required Core

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

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 Required.....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. 1.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 29 CIS, INDEPENDENT STUDY .5-2 UNITS

For course information, see "Independent Studies"

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. .5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 42 CYBERSECURITY COMPETITION PREP .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. 1.5 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. 3 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. Students may enroll in CIS 46 and/or CS 46 for a total of 2 times. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

CIS 50 INTRO TO INFO COMPUTING INFO TECH 3 UNITS

A comprehensive introductory overview of computers and information technology. Topics include: basic computer concepts and terminology, hardware, software, data and procedures, data communications, Internet, computer programming concepts, the system development process and new emerging technologies. Students will interactively solve applied problems utilizing software productivity tools such

as: word processors, spreadsheets, databases, Email, WWW, and programming languages such as Visual Basic or HTML. Introduce the analytical, written and oral communication skills necessary to communicate effectively in a business computing environment. 3 hours lecture, 1 hour 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. 3 hours lecture, 3 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. 3 hours lecture, 3 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. 1.5 hours lecture, 1.5 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 and CIS 55. 2 hours lectures, 3 units 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. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 59C WEB PROGRAMMING - JAVASCRIPT 3 UNITS

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. 2.5 hours lecture, 1.5 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. 3 hours lecture, 1 hour 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. 3 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

CIS 63 ADVANCED PROJECT MANAGEMENT 3 UNITS

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. 3 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 65 INTRODUCTION TO DESKTOP OPERATING SYSTEMS 2 UNITS

By performing numerous hands-on labs, students in this class will gain an understanding of operating systems 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. Current operating systems for portable devices will be demonstrated. The role of hardware, application software and the operating system and how they interact with each other will be explored. Students who have completed or are enrolled in Computer Networking Technology 50 may not receive credit. Strongly Recommended: CIS 50. 1 hour lecture, 3 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. 3 hours lecture, 1 hour lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 71A KEYBOARDING (THE ALPHABET) 1 UNIT

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. 3 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. 3 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. 3 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. 3 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 72B SPDRSHT INTEGRATION W/WD PROC 1 UNIT

Basic usage of spreadsheet software in document reporting and presentation. Integration of spreadsheets with Word, PowerPoint, and Access. Strongly Recommended: CIS 50 and CIS 88A. 3 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. 3 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 and CIS 71C. 2 hours lecture, 3 hour 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. 3 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. 2 hours lecture, 3 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. .5 hours lecture, 1.5 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. 1 hour lecture, 1.5 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. 1 hour lecture, 1.5 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. .5 hours lecture, 1.5 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. .5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 92 WEB: PHP PROGRAMMING, MYSQL 3 UNITS

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. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 9001 DATABASE DESIGN METHODOLOGY 3 UNITS

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. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 9002 ORACLE: DATABASE DESIGN AND SQL PROGRAMMING 3 UNITS

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. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 9003 ORACLE: DATABASE PROGRAMMING WITH PL/SQL 3 UNITS

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. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CIS 9004 ORACLE: DATABASE ADMINISTRATION 3 UNITS

This course is designed to give students a firm foundation in basic administration of Oracle's 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. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

COMPUTER NETWORKING TECHNOLOGY

About the Program

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.

Degrees/Certificates

Degree:

- AS – Network Security and Administration

Certificate of Achievement:

- Cisco Network Associate

Career Certificate:

- Computer Desktop OS Security
- Computer Forensics Examiner
- Computer Network Administration (Microsoft)
- Computer Network Technician
- Network and Wireless Security

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>

Transferability

A majority of the Computer Networking Technology courses transfer to four-year universities as elective units. The course content will

prepare students for further study at the upper division level in majors such as Information Technology, Management Information Systems, and Networking and Data Communications. Variation in requirements may exist at particular four-year universities; therefore, it is essential that the student refer to the catalog of the prospective transfer institution and consult a counselor.

AS – Network Security and Administration

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.

Freshman Year

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 62A (Cisco Networking Academy CCNA I)	4
Electives Tracks*	6-9
General Education Courses§	

Sophomore Year

CNT 62B (Cisco Networking Academy CCNA II)	4
CNT 43 (Professional Communications)	3
Electives Tracks*	6-9

General Education Courses§

Total Units Required.....60

§ Program-based General Education 3-unit requirement: CIS 50 (Introduction to Computing and Information Technology)

*Electives Tracks

Select from the following:

Network and Wireless Security Track

- CNT 67 (WiFi Cisco & CWNA)
- CNT 68 (Digital Forensics Fundamentals)
- CNT 69 (Network Security Sec+)

Network Administration Track

- CNT 55 (Windows Server)

CNT 56 (Implementing Windows Network Infrastructure)
CNT 57 (Implementing Windows Active Directory Services)

Network Analysis Track

CNT 7401 (Intro to Linux/LPI Linux+ Certification)
CNT 7501 (Ethical Hacking)
CNT 7502 (Wireshark, TCP/IP Analysis and Network Troubleshooting)

Computer Operating System Security Track

CNT 55 (Windows Server)
CNT 69 (Network Security Sec+)
CNT 7401 (Intro to Linux/LPI Linux+ Certification)
CNT 7502 (Wireshark, TCP/IP Analysis and Network Troubleshooting)

Computer Forensics Track

CNT 68 (Digital Forensics Fundamentals)
CNT 70 (Computer Forensics II)
CNT 7501 (Ethical Hacking)

Certificate of Achievement Cisco Network Associate

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.

CNT 50 (Introduction to Desktop Operating Systems) 2
CNT 51 (Comptia's A+ Certification Computer Technician) 4
CNT 52 (Networking Fundamentals) 3
CNT 62A (Cisco Networking Academy CCNA I) 4
CNT 62B (Cisco Networking Academy CCNA II) 4
CNT 43 (Professional Communications) 3

Total Units Required..... 20

Career Certificate Computer Desktop OS Security §

Program Outcomes

- Upon successful completion of the Career Certificate 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 Career Certificate 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 Career Certificate 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 Career Certificate in Computer Desktop OS Security, students will be able to install, configure, and manage computer and network hardware.
- Upon successful completion of the Career Certificate in Computer Desktop OS Security, students will be able to install, configure, and manage desktop operating systems.

CNT 51 (Comptia's A+ Certification Computer Technician) 4
CNT 69 (Network Security, Sec+)..... 3
CNT 7401 (Intro to Linux/Unix, Linux+) 4

And one course from the following:

CNT 52 (Networking Fundamentals) 3
CNT 62A (Cisco Networking Academy CCNA I) 4

Total Units 14-15

§ 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.

Career Certificate Computer Forensics Examiner §

Program Outcomes

- Upon successful completion of the Career Certificate in Computer Forensics Examiner, students will be able to image and examine evidence in a forensically sound manner.
- Upon successful completion of the Career Certificate in Computer Forensics Examiner, students will be able to perform evidence examination and evaluation and present in a standard forensic case report.

CIS 50 (Intro to Computer & Information Technology) or
CNT 62A (Cisco Networking Academy CCNA I) or
CNT 51 (Comptia's A+ Certification Computer Technician) 3-4
CNT 68 (Digital Forensics Fundamentals) 3
CNT 70 (Computer Forensics II) 3
AJ 60 (Criminal Law) 3
AJ 61 (Evidence) 3

Total Units 15-16

§ 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.

Career Certificate Computer Network Administration § (Microsoft)

Program Outcomes

- Upon successful completion of the Career Certificate in Computer Network Administration (Microsoft), students will be able to analyze, design and document computer network specifications to meet client needs.
- Upon successful completion of the Career Certificate in Computer Network Administration (Microsoft), students will be able to analyze, design, and document Windows enterprise services to meet client needs.

- Upon successful completion of the Career Certificate in Computer Network Administration (Microsoft), 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 Career Certificate in Computer Network Administration (Microsoft), students will be able to install, configure, and manage client and server operating systems.
- Upon successful completion of the Career Certificate in Computer Network Administration (Microsoft), students will be able to install, configure, and manage network dependencies and services.
- Upon successful completion of the Career Certificate in Computer Network Administration (Microsoft), students will be able to install, configure, and manage Windows client operating systems.
- Upon successful completion of the Career Certificate in Computer Network Administration (Microsoft), students will be able to manage users, computers, and groups in Active Directory.

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 (Windows Server)	3
CNT 56 (Implementing Windows Network Infrastructure).....	3
CNT 57 (Implementing Windows Directory Services).....	3

Total Units 17

§ 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.

Career Certificate Computer Network Technician §

Program Outcomes

- Upon successful completion of the Career Certificate 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 Career Certificate 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 Career Certificate in Computer Network Technician, students will be able to install, configure, and manage client and server operating systems.
- Upon successful completion of the Career Certificate in Computer Network Technician, students will be able to install, configure, and manage computer hardware.

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 43 (Professional Communications)	3

Total Units12

§ 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.

Career Certificate Network and Wireless Security §

Program Outcomes

- Upon successful completion of the Network and Wireless Security Career Certificate, students will be able to identify risk management strategies and mitigating controls for wired and wireless networks.
- Upon successful completion of the Network and Wireless Security Career Certificate, students will be able to identify threats and vulnerabilities to wired and wireless networks.
- Upon successful completion of the Network and Wireless Security Career Certificate, students will be able to implement secure configuration management.
- Upon successful completion of the Network and Wireless Security Career Certificate, students will be able to install, configure, and manage wired and wireless networks.

CNT 52 (Networking Fundamentals)	3
CNT 62A (Cisco Academy CCNA I).....	4
CNT 67 (WiFi Cisco & CWNA)	3
CNT 68 (Digital Forensics Fundamentals).....	3
CNT 69 (Network Security Sec+)	3

Total Units16

§ 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 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. 3 hours lecture. Transfer: CSU; C-ID#BUS 115.

Degree Applicable, Credit Grading Option: OP

CNT 50 INTRODUCTION TO DESKTOP OPERATING SYSTEM 2 UNITS

By performing numerous hands-on labs, students in this class will gain an understanding of operating systems 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. Current operating systems for portable devices will be demonstrated. The role of hardware, application software and the operating system and how they interact with each other

will be explored. Students who have completed or are enrolled in Computer Information Systems 65 may not receive credit. Strongly Recommended: CIS 50. 1 hour lecture, 3 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 51 COMPTIA 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. 3 hours lecture, 3 hour 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. 3 hours lecture, 1 hour 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. 3 hours lecture, 3 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 55 INSTALLING & CONFIGURING 3 UNITS
WINDOWS SERVER MCSA I

This course prepares the students for the Microsoft Certified Solutions Associate (MCSA) certification, and is the first of a series of three exams which validate the skills and knowledge necessary to implement a core Windows Server Infrastructure into an existing enterprise environment. This course focuses on skills for real jobs and prepares students to master core services such as Active Directory and networking services. This course also covers such skills as: Managing Active Directory Domain Services Objects, Automating Active Directory Domain Services Administration, Implementing Local Storage, Implementing File and Print Services, Implementing Group Policy, and Implementing Server Virtualization with Hyper-V. Strongly Recommended: CNT 52. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 56 ADMINISTERING WINDOWS 3 UNITS
SERVER MCSA II

This Administering Windows Server course covers the second of three exams required for Microsoft Certified Solutions Associate (MCSA) certification. The three MCSA exams collectively validate the skills and knowledge necessary for implementing, maintaining, and provisioning services in a Windows Server environment. This course prepares students to prove mastery of services such as user and group management, network access, and data security. In addition, this course also covers: Implementing a Group Policy Infrastructure, Managing User and Service Accounts, Maintaining Active Directory Domain Services, Configuring and Troubleshooting DNS, Remote Access, Network Policy Server Role, Optimizing File Services, Increasing File System Security, and Implementing Update Management. Strongly Recommended: CNT 52. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 57 MS SERVER ADVANCED 3 UNITS
SERVICES MCSA III

This course prepares the students for the Microsoft Certified Solutions Associate (MCSA) certification, and is the third of a series of three exams which validate the skills and knowledge necessary to implement a core Windows Server Infrastructure into an existing enterprise environment. The three MCSA exams collectively validate the skills and knowledge necessary for implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server environment. This course focuses on skills for real jobs and prepares students to master Advanced Windows Server Services such as tasks necessary to deploy, manage, and maintain a Windows Server infrastructure. This course also includes these topics: Implementing Advanced Network Services, Implementing Advanced File Services, Implementing Dynamic Access Control, Implementing Network Load Balancing, Implementing Failover Clustering, Implementing Disaster Recovery, Implementing Active Directory Certificate Services (AD CS) Active Directory Federation Services (AD FS). Strongly Recommended: CNT 52, CNT 56. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 62A CISCO NETWORKING ACADEMY CCNA I 4 UNITS

This course covers the first half of the CCNA Cisco Certified Network Associate Certification curriculum, and the objectives

CNT 7301 VOIP: CISCO & ASTERISK IP PHONES 4 UNITS

VoIP (Voice over Internet Protocol) offers a cost-effective alternative to plain old telephone service. This class covers VoIP planning and configuration basics and objectives for the Cisco and Asterisk certification tests. Extensive use is made of open source VoIP systems as a mechanism for practice implementation of VoIP in a network environment. This class is for all business, SOHO and computer users interested in using this technology, and will serve as a practical hands-on guide to the purchase and setup of hardware and software for Internet phones and the broadband Internet services required to support them, as well as covering objectives for certification exams. Strongly Recommended: CIS 50. 3 hours lecture, 3 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 7401 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 Science 41 may not receive credit. Strongly Recommended: CIS 50 with a minimum grade of C. 2.5 hours lecture, 1.5 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 an 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. 2.5 hours lecture. 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 7701 VIRTUALIZATION: VMWARE, HYPER-V, CITRIX 2 UNITS

Upon completion of this course, the students will have covered the topics required for taking the examination to become a VMware Certified Professional. This hands-on training course explores installation, configuration, and management of VMware virtualization products. This class also covers Microsoft Hyper-V and Citrix virtualization technologies. Strongly Recommended: CIS 50 with a minimum grade of C, CNT 55 with a minimum of C, CNT 8001 with a minimum grade of C. 1.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 8001 INTRODUCTION TO NETWORKS (CCNA1) 3 UNITS

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. CNT62B 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. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

CNT 8002 ROUTING AND SWITCHING ESSENTIALS (CCNA2) 3 UNITS

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. 2.5 hours lecture, 1.5 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. 2.5 hours lecture, 1.5 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 polices. 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. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

COMPUTER SCIENCE

About the Program

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.

Degrees/Certificates

Degree:

- AS – Computer Science

Certificate 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.

Transferability

This program 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 also refer to the catalog of the prospective transfer institution and consult a counselor.

AS - Computer Science

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 computerbased 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.

Freshman Year

CS 1 (Computing Fundamentals I)	4
CS 2 (Computing Fundamentals II).....	4
CS 41 (Intro to Linux/LPI Linux+ Certification)	4
MATH 1 (Calculus I).....	5
MATH 2 (Calculus II)	5
General Education Courses	

Sophomore Year

CS 20 (Advanced Programming with Data Structures/ C++).....	4
CS 21 (Computer Organization and Assembly Language Programming)	4
MATH 7 (Elementary Linear Algebra) or MATH 41 (Statistics for Business Majors) or MATH 40 Statistics and Probability)	3-5
MATH 10 (Discrete Mathematical Structures).....	4

General Education Courses

Total Units Required.....60

§ Program-based General Education 3-unit requirement: Chemistry 1A or Chemistry 31 or Physics 1A or Physics 2A or Mathematics 40

Certificate of Achievement

Computer Programming

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.

Programming Fundamentals:

CS 1 (Computing Fundamentals I) 4

Intermediate Courses in two Programming Languages - Select 2:

CS 21 (Assembly Language) or
CS 30 (C++ Programming) or
CS 31 (Java Programming) or
CS 32 (Visual Basic Programming) 8

Advanced Course in any Programming Language—Select 1:

CS 20 (Advanced Programming with Data Structures/ C++) or
CS 33 (Advanced C++ Programming) or
CS 34 (Advanced Java Programming) or
CS 35 (Advanced Visual Basic Programming) or
CS 36 (Windows and MFC Programming) 4

Professional Competence:

CIS 60 (Systems Analysis and Design) 3
CS 43 (Professional Communications) 4
CS 45 (Database Programming) 4
CS 47 (Capstone Project) 3

Total Units 30

**Certificate of Achievement
Computer Programming for the Web**

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.

Programming Fundamentals:

CS 1 (Computing Fundamentals I) 4
CS 31 (Java Programming) 4

Scripting Languages/Imaging (Select 1):

CS 38 (Perl and CGI) or
CS 39 (Java Servlets and JSP) or
CS 40 (VBScript, ASP, Active X) 2

Professional Competence:

GDDM 53 (Photoshop I for Design) 2
CS 37 (Web Programming) 4
CS 43 (Professional Communications) 3
CS 44 (Advanced Web Programming) 4
CIS 60 (Systems Analysis and Design) 3

CS 45 (Database Programming) 4
CS 47 (Capstone Project) 3

Total Units 34

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. 3 hours lecture, 3 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. 3 hours lecture, 3 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. 2.5 hours lecture, 1.5 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. 2.5 hours lecture, 1.5 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) and CS 1 with a minimum grade of C (may be taken concurrently). 4 hours lecture, 1 hour 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. 2 hours lecture, 3 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. 3 hours lecture, 3 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. 3 hours lecture, 3 hours laboratory. Transfer: CSU, UC.

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. 3 hours lecture, 3 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. 2.5 hours lecture, 1.5 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. 3 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 explore dynamic applications that interact with a database using client-side scripts, server-side scripts, and compiled server programs. Learn database concepts, relational database principles, and Structured Query Language (SQL). Prerequisite: CS 2 with a minimum grade of C or CS 30 with a minimum grade of C or CS 31 with a minimum grade of C or CS 32 with a minimum grade of C. 3 hours lecture, 3 hours laboratory. Transfer: CSU.

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. Students may enroll in CIS 46 and/or CS 46 for a total of 2 times. 2.5 hours lecture, 1.5 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 or CS 31, CNT 52, CIS 43, CIS 9001, CIS 60, CIS 62. 1 hour lecture, 6 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

DANCE

About the Courses

Dance classes at Las Positas are offered in a state-of-the-art dance studio. From Introduction to Dance, Ballet, Jazz and Dance Composition, Las Positas Dance offers learning opportunities to the novice and experienced dancer alike. The dance program offers a highly popular class in Dance Production/Choreography that gives students a rare 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.

See also: Kinesiology Activities for additional offerings

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. 3 hours laboratory. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

DANC 2A JAZZ DANCE BEGINNING 0.5-2.0 UNITS

Practice in basic jazz dance techniques and routines. 1.5-6 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

DANC 2B JAZZ DANCE INTERMEDIATE 0.5-2.0 UNITS

Practice in intermediate jazz dance techniques and routines. It will introduce Broadway style jazz dance and emphasize a student's performance potential. Strongly Recommended: DANC 2A with a minimum grade of C. AA/AS GE. 1.5-6 hours laboratory. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

DANC 3 BALLET BEGINNING 0.5-2.0 UNITS

Introduction to basic ballet technique at the barre and in the center. 1.5-6 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

DANC 4A MODERN/CONTEMPORARY DANCE A 1 UNIT

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. 3 hours

laboratory. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

DANC 4B MODERN/CONTEMPORARY DANCE B 1 UNIT

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. 3 hours laboratory. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

DANC 5A DANCE COMPOSITION 5A 2 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. 1 hour lecture, 3 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

DANC 5B DANCE COMPOSITION 5B 2 UNITS

A continuation to the art of making dances for choreographers working in any style of dance. 1 hour lecture, 3 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

DANC 6A DANCE PRODUCTION CHOREOGRAPHY A 2 UNITS

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. 6 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

DANC 6B DANCE PRODUCTION CHOREOGRAPHY B 2 UNITS

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. 6 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

DANC 29 INDEPENDENT STUDY, DANCE .5-2 UNITS

For course information, see "Independent Studies"

EARLY CARE AND EDUCATION

About the Program

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.

Degrees/Certificates

Degree:

- AS-T – Early Childhood Education
- AA – Early Childhood Development
- AA – Early Childhood Intervention

Certificate 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.

Transferability

Students receive the required foundational education to pursue a baccalaureate degree in early childhood or elementary education; human development; multi-subject credentialing; early childhood mental health, special education or early intervention. Many ECE units are transferable to four-year institutions, but consult with a counselor and the catalog section on Transferability for your specific needs.

Some ECE electives are required for the certificate or degree a student maybe pursuing at another institution. Others fulfill requirements for work permits or licensing. See the ECE faculty or Professional Development Coordinator for more information.

AS-T – Early Childhood Education

About the Degree

The Associate in 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 in 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 in 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

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

General Education Courses

Total Units for the Major	26
Total Units Required.....	60

AA – Early Childhood Development

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.

Freshman Year

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
Electives*	0-4

Sophomore Year

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

General Education Courses

Total Units Required.....	60
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Suggested ECE Electives:

ECE 15 (Abnormal Child Psychology)
ECE 61 (Literature for the Young Child)
ECE 64 (Play: Materials and Environments)
ECE 65 (Administration I: Programs in Early Childhood Education)
ECE 67 (Infant and Toddler Development and Caregiving)
ECE 68 (Administration II: Personnel and Leadership in Early Childhood Ed)
ECE 78 (Language Development)
ECE 83 (Adult Mentoring and Supervision)

AA – Early Childhood Intervention

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 ECD philosophy after reviewing ECD 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.

Freshman Year

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
General Education Courses	

Sophomore Year

ECE 40 (Social and Emotional Foundations for Early Learning).....	3
ECE 60 (Introduction to the Young Child with Exceptional Needs) ..	3
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
ECE 69 (Child Study: Observation and Assessment).....	3
ECE 79 (Teaching in a Diverse Society)	3

General Education Courses

Total Units Required.....60

Suggested ECE Electives:

- ECE 83 (Adult Mentoring and Supervision)
- ECE 95 (Work Experience)
- ECE 96 (Work Experience Seminar)

Recommended General Education Courses:

- PSYC 4 (Brain, Mind, and Behavior)
- PSYC 15 (Abnormal Child Psychology)

**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.

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 Required.....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.

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 60 (Introduction to the Young Child with Exceptional Needs) ..	3
ECE 95 (Work Experience)	1
ECE 96 (Work Experience Seminar)	1
ECE 90 (Practicum—Supervised Experience)	4

Select one of the following for 3 units:

ECE 40 (Social and Emotional Foundations for Early Learning) or ECE 54 (Child Health, Safety, and Nutrition) or ECE 69 (Child Study: Observation and Assessment) or ECE 79 (Teaching in a Diverse Society)	3
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Total Units Required.....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

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 Required.....32

Early Care and Education (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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

Degree Applicable, Credit Grading Option: OP

ECE 29 INDEPENDENT STUDY, EARLY CARE AND EDUCATION .5-2 UNITS

For course information, see "Independent Studies"

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. 3 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. 3 hours lecture.

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. 3 hours lecture. Transfer: CSU.

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. 3 hours lecture. GE AA. Transfer: CSU; CSU GE: E.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D, E; IGETC: 4.

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. 3 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. 3 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D.

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. 3 hours lecture, 3 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. 3 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. 3 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. 3 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 68 ADMINISTRATION II: PERSONNEL AND LEADERSHIP IN EARLY CHILDHOOD ED 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. 3 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. 3 hours lecture. Transfer: CSU.

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. 2 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 78 LANGUAGE DEVELOPMENT 3 UNITS

Language acquisition theories and emergent literacy in 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: family patterns, cultural values, and environmental circumstances that affect language development and communication styles; assessment and early identification of linguistic delays. Prerequisite: ECE 56 with a minimum grade of C. 3 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. Selfexamination 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.3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D.

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. Prerequisite: ECE 62 with a minimum grade of C, ECE 63 with a minimum grade of C. 2 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 87 QUALITY ENVIRONMENTS FOR INFANTS/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. 3 hours lecture.

Degree Applicable, Credit Grading Option: OP

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, ECE 56, ECE 62 and ECE 63 all completed with a minimum grade of C. 2 hours lecture, 6 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECE 91 ADAPTIVE CURRICULUM FOR CHILDREN 3 UNITS WITH EXCEPTIONAL NEEDS

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. Prerequisites: ECE 60 with a minimum grade of C and ECE 90 with a minimum grade of C. Lab hours required in an inclusive setting. 2 hours lecture, 3 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. 1 hour lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

ECONOMICS

About the Courses

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.

Degrees/Certificate

Degree:

- AA-T - Economics

Transferability

Las Positas College Economics courses prepare students for future coursework in Economics and Business and, most importantly, provide a framework for analyzing economic issues within the context of the business environment. The courses fulfill lower-division requirements for four-year transfer institutions. With further study economics students can build rewarding careers in business, law, and/or public sector. These courses combine economic theory with a wide range of real-world applications and help students develop and master problem-solving skills, analytical clarity, as well build writing and communication abilities.

AA-T - Economics

About the Degree

The Las Positas College Economics program offers courses that lead to an Associate in 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

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

BUSN 1A (Financial Accounting)	4
BUSN 1B (Managerial Accounting)	4
CIS 50 (Intro to Computing Info Tech)	3
MATH 2 (Calculus II)	5
MATH 33 (Finite Mathematics)	4
BUSN 43 (Professional Communications) or	
CIS 43 (Professional Communications) or	
CNT 43 (Professional Communications) or	
CS 43 (Professional Communications).....	3

List B: Select One

Any List A course not already used

ECON 5 (Economic History of the United States)	3
MATH 3 (Multivariable Calculus.....)	5
MATH 7 (Elementary Linear Algebra)	3.5

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major 21-25

Total Units Required.....60

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4; 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4; 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC*; CSU GE: D; IGETC: 4. *No UC credit if taken after ECON 1 or 2.

Degree Applicable, Credit Grading Option: OP

EMERGENCY MEDICAL SERVICES

About the Program

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.

Degrees/Certificates

Degree:

- AS – Emergency Medical Services EMT-Paramedic

Certificate of Achievement:

- Emergency Medical Services EMT-Paramedic

Career Certificate:

- 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

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

EMS 30 (Emergency Medical Responder)	3
EMS 62 (Basic Medical Terminology)	3
BIO 50 (Anatomy and Physiology)	4
EMS 20 (Emergency Medical Technician)	6.5
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 15 (Paramedic Field Internship)	10-13

Program Based GE Requirement

CMST 1 (Fundamentals of Public Speaking)	3
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GENERAL EDUCATION AND ELECTIVES

Total Units Required.....	67.5-70.5
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Certificate of Achievement Emergency Medical Services EMT-Paramedic

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

EMS 30 (Emergency Medical Responder)	3
EMS 62 (Basic Medical Terminology)	3
BIO 50 (Anatomy and Physiology)	4
EMS 20 (Emergency Medical Technician)	6.5
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 15 (Paramedic Field Internship)	10-13

Total Units Required.....	52.5 - 55.5
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Career Certificate

Emergency Medical Responder §

About the Certificate

The Career Certificate 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 Emergency Medical Responder Career Certificate, 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 Emergency Medical Responder Career Certificate, 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 Emergency Medical Responder Career Certificate, the student will be competent and prepared for employment as a Lifeguard, Police Officer, and/or Search and Rescue Squad member.

Required Core

EMS 30 (Emergency Medical Responder)	3
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EMS 70B (CPR for Health Care Providers)0.5

Total Units Required.....3.5

§ 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.

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. 6 hours lecture. Transfer: CSU; C-ID#EMS 100.

Degree Applicable, Credit Grading Option: GR

EMS 11 PARAMEDIC THEORY 2 6 UNITS

This course provided 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. 6 hours lecture. Transfer: CSU; C-ID#EMS 101.

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. 12 hours laboratory. Transfer: CSU; C-ID#EMS 102.

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. 12 hours laboratory. Transfer: CSU; C-ID#EMS 103.

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.

Degree Applicable, Credit Grading Option: P/NP

EMS 15 PARAMEDIC FIELD INTERNSHIP 10-13 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 PASS. 600- 780 hours non-paid work experience. Transfer: CSU; C-ID#EMS 105.

Degree Applicable, Credit Grading Option: P/NP

EMS 20 EMERGENCY MEDICAL TECHNICIAN 6.5 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. 5 hours lecture, 4.5 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 emergency situations, including cardiopulmonary resuscitation, prevention of disease transmission, and automated external defibrillation. Designed for first responders in an emergency. Successful completion of the knowledge, skills tests and with a successful completion of the course at 80% accumulative points and the summative final at (80%) qualifies for a American Safety and Health Institute (ASHI) "First Responder" Certificate and an American Heart Association "Basic Life Support Health Care Provider" Certificate. 2 hours lecture, 3 hours laboratory. Transfer: CSU.

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. 3 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. .5 hours lecture. Transfer: CSU.

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. .5 hours lecture. Transfer: CSU.

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. .5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

ENGINEERING

About the Program

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

Degrees/Certificates

Degree:

- 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.

Transferability

The Engineering Transfer Program includes the required lower division courses similar to, if not identical to, the same courses offered in the first two years at four year institutions. In general, and unlike most other majors, Engineering Transfer students do not complete all of their General Education courses before transfer. Selection of essential General Education courses should be determined carefully, with the assistance of a counselor or advisor. Note that many four-year institutions want students directly from high school, or as juniors after completing the lower-division equivalent of the first two years of college. Students interested in majoring in engineering should discuss their course planning with a counselor to ensure they are following the guidelines for transferring to a four-year college.

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

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 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
WLDT 10 (Machining for the Metal Trades)	3

Program Based GE

CMST 1 (Fundamentals of Public Speaking)	3
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List A: Select one

WRKX 94 (Occupational Work Experience/Internship)	3
WRKX 95 (General Work Experience)	3

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major36

Total Units Required.....60

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. 2 hours lecture. Transfer: CSU, UC*. *ENGR 10 and 15 combined: max UC credit; one course.

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. 2 hours lecture, 3 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. 2 hours lecture, 3 hours laboratory. Transfer: CSU, UC.

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. 2 hours lecture, 3 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 38 with a minimum grade of C. 2 hours lecture, 3 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. 3 hours lecture, 3 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

ENGR 46 MATERIALS OF ENGINEERING 3 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. Prerequisites: PHYS 1A with a minimum grade of C, CHEM 1A with a minimum grade of C. 2 hours lecture, 3 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

ENGLISH

About the Program

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.

Degrees/Certificates

Degree:

- AA – English
- AA-T – English

Career Opportunities

The coursework in english majors will prepare 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 show that employees who can write well and think clearly

are a valued commodity in the workforce.

Transferability

English reading, writing, and critical thinking courses are strongly recommended and prerequisites for many courses and majors across CSU GE and IGETC transfer patterns. English has historically offered two degree paths: an AA-T for transfer to CSU and a more interdisciplinary AA degree.

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

ENG 1A (Critical Reading and Comp)	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 (World Literature: 17th Century to the Present)3

Electives: Select Two

ENG 11 (Intro 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 (FLM-Drama-Mus-Vis Art-Lyr Poet)3
 HUMN 28 (The Classic Myths)3
 MSCM 1 (Introduction to Reporting and Newswriting)3
 MSCM 2 (Journalism: Investigative News)3

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major 18-21

Total Units Required 60

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

ENG 4 (Critical Thinking and Writing about Literature)	3
ENG 7 (Critical Thinking and Writing across Disciplines)	3

List A: Select Two

ENG 35 (Modern American Literature)	3
ENG 41 (World Literature: 17th Century to the Present)	3

List B: Select One

ENG 11 (Intro 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

Any List B course not already used

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)	3
ENG 44 (Literature of the American West)	3
MSCM 1 (Introduction to Reporting and Newswriting)	3

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major18

Total Units Required.....60

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. Integrated approach to reading, writing, and critical thinking intended to develop ability to read and write complex, college-level prose. Prerequisite: ENG 104 with a minimum grade of P or ESL 25 with a minimum grade of C. 3 hours lecture, 1 hour laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: A2; IGETC: 1A; C-ID#ENGL 100.

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. 3 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. 3 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 INTRO 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: ENG 1A with a minimum grade of C. 3 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 and eligibility for ENG 1A. 3 hours lecture. AA/AS GE. Transfer: CSU; CSU GE: C2.

Degree Applicable, Credit Grading Option: OP

ENG 12B CRAFT OF WRITING FICTION: INTERMEDIATE 3 UNITS

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 1A with a minimum grade of C and ENG 12A with a minimum grade of C. 3 hours lecture. AA/AS GE. Transfer: CSU; CSU GE: C2.

Degree Applicable, Credit Grading Option: OP

ENG 13A INTRODUCTION TO THE CRAFT OF WRITING - POETRY 3 UNITS

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. 3 hours lecture. AA/AS GE. Transfer: CSU; CSU GE: C2.

Degree Applicable, Credit Grading Option: OP

ENG 19A LAS POSITAS LITERARY ANTHOLOGY 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 MSCM 19A. A student who has successfully completed MSCM 19A cannot enroll in ENG 19A. 2 hour lecture, 3 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

ENG 19B LITERARY MAGAZINE B 1.5-2 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. The number of laboratory units will be agreed upon and scheduled by instructor and student based on the student's job description and availability to participate. 1 hour lecture, 1.5 or 3 hours laboratory. (Cross List with MSCM 19B. A student who has successfully completed MSCM 19B cannot enroll in ENG 19B.) Prerequisite: ENG 19A with a minimum grade of C/CR or MSCM 19A with a minimum grade of C/CR. 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: GR

ENG 29 INDEPENDENT STUDY, ENGLISH 5-2 UNITS

For course information, see "Independent Studies"

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: GR

ENG 35 MODERN AMERICAN LITERATURE 3 UNITS

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 of each work in relation to its social, cultural and historical contexts. Prerequisite: ENG 1A with a minimum grade of C. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B; C-ID#ENGL 135.

Degree Applicable, Credit Grading Option: GR

ENG 41 WORLD LITERATURE: 17TH CENTURY TO THE PRESENT 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. Prerequisite: ENG 1A with a minimum grade of C. 3 hours

lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B; C-ID#ENGL 145.

Degree Applicable, Credit Grading Option: GR

ENG 44 LITERATURE OF THE AMERICAN WEST 3 UNITS

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2, D; 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. 3 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. 3 hours lecture, 3 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. Prerequisite: ENG 100A with a minimum grade of P or appropriate skill level demonstrated through the English assessment process. 3 hours lecture, 3 hour laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ENG 104W INTEGRATED READING AND WRITING WORKSHOP 0.75 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. 2.25 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ENGLISH AS A SECOND LANGUAGE

About the Courses

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 COLLEGE GRAMMAR 3 UNITS

This is a one semester advanced grammar course for academic purposes designed to enable students to use linguistic forms accurately, meaningfully and appropriately in both oral and written expression. The course focuses on sentences, clauses, and phrases, verb tenses and forms, auxiliary verbs and modal expressions, verbs with grammar restrictions, and grammar analysis to enhance reading comprehension and written expression. Prerequisite: ESL 120B with a minimum grade of Pass and ESL 121B with a minimum grade of Pass or appropriate skill level demonstrated through the ESL assessment process. 3 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 Pass or placement through the ESL assessment process. 6 hours lecture, 1 hour laboratory. Transfer: CSU, UC*. *ESL 24 & 25 combined, max 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. 6 hours lecture, 1 hour laboratory. Transfer: CSU, UC*. *ESL 24 & 25 combined, max 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, strengthen their linguistic monitors and give them practice in editing strategies which will enable them to use linguistic forms accurately, meaningfully and appropriately in written expression. Prerequisite: ESL 120B with a minimum grade of Pass and ESL 121B with a minimum grade of Pass or appropriate skill level demonstrated through the ESL assessment. 3 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

ESL 29 INDEPENDENT STUDY, ESL .5-2 UNITS

For course information, see "Independent Studies"

ESL 120A INTERMEDIATE GRAMMAR FOR READING & 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. Prerequisite: ESL 130B with a minimum grade of Pass or appropriate skill level demonstrated through the ESL assessment process. Students are advised to enroll concurrently in ESL 120A, 121A and 123 or 126. 3 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 120B HIGH INTERMEDIATE GRAMMAR FOR READING & 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. Prerequisite: ESL 120A with a minimum grade of Pass or appropriate skill level demonstrated through the ESL assessment process. Students are advised to enroll concurrently in ESL 120B, 121B and 123 or 126. 3 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 121A INTERMEDIATE READING AND WRITING I 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, 121A and 123 or 126. Prerequisite: ESL 131B with a minimum grade of Pass or placement through ESL assessment process. 6 hours lecture, 1 hour laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 121B INTERMEDIATE READING AND WRITING II 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 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, 121B and 123 or 126. Prerequisite: ESL 121A with a minimum grade of Pass or placement through ESL assessment process. 6 hours lecture, 1 hour 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: Eligibility for ESL 120A and 121A or an appropriate skill level demonstrated through the ESL assessment process. 2 hours lecture, 1 hour laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 126 PRONUNCIATION OF ENGLISH 2 UNITS

Intensive practice in recognizing and pronouncing the sounds of American English with emphasis on words and phrases: stress, intonation, phrasing, reduction. Attention to individual and group priorities. Prerequisite: Eligibility for ESL 120A and 121A or an appropriate skill level demonstrated through the ESL assessment process. 2 hours lecture, 1 hour laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 130A BEGINNING GRAMMAR FOR WRITING & READING 3 UNITS

This is the first 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 the connection between vocabulary and grammar, simple and compound sentences, phrases, verb forms, and verb tenses, especially simple present, simple past, and present progressive. Strongly Recommended: Appropriate skill level demonstrated through the ESL assessment process. Students are advised to enroll concurrently in ESL 130A, 131A, and 133 or 136. 3 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 130B HIGH - BEGINNING GRAMMAR FOR WRITING & READING 3 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. Prerequisite: ESL 130A with a minimum grade of Pass or appropriate skill level demonstrated through the ESL assessment process. Students are advised to enroll concurrently in ESL

130B, 131B, and 133 or 136.. 3 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 131A BEGINNING READING AND WRITING I 6 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 ESL 131A, 130A, and 133 or 136. Strongly Recommended: Appropriate skill level demonstrated through the ESL assessment process. 6 hours lecture, 1 hour laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 131B BEGINNING READING AND WRITING II 6 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 ESL 131B, 130B, and 133 or 136. Prerequisite: ESL 131A with a minimum grade of Pass or placement through ESL assessment process. 6 hours lecture, 1 hour laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 133 BEGINNING ORAL COMMUNICATION 2 UNITS

This is a beginning oral communication course. This course will enable students to use linguistic forms accurately, meaningfully and appropriately, emphasizing conversational skills: listening and speaking in small groups, using new grammar structures, learning new words and expressions, comprehending and using idiomatic expressions. Strongly Recommended: Appropriate skill level demonstrated through the ESL assessment process. 2 hours lecture, 1 hour laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

ESL 136 PRONUNCIATION AND FLUENCY 2 UNITS

Focused practice on recognizing and producing individual speech sound, stress patterns, rhythm and intonation patterns, and grammatical signals through activities such as oral presentations, role play, authentic dialogue, and reading presentations. Students will focus on pronunciation as communication to develop listener friendly pronunciation. Attention to individual as well as group priorities. Strongly Recommended: appropriate skill level demonstrated through the ESL assessment process. Students are advised to enroll concurrently in ESL 130A, 131A, and 133 or 136. 2 hours lecture, 1 hour laboratory.

Non-Degree Applicable, Credit Grading Option: OP

ENVIRONMENTAL SCIENCE

About the Program

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.

Degrees/Certificates

Degree:

- 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.

Transferability

The Associate of Science in Environmental Science degree will prepare students to enter upper-division studies in specialized Environmental Science programs at many local and national universities. Students should consult a Counselor and their desired transfer institutions for specific transfer information.

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

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 General Education

BIO 40 (Humans and the Environment).....	3
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GENERAL EDUCATION AND ELECTIVES

Total Units for the Major	43
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Total Units Required.....	60
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ENVIRONMENTAL STUDIES

About the Program

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.

Degrees/Certificates

Degree:

- 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.

Transferability

Program courses are typically transferable to four-year institutions. Students should consult a Counselor and their desired transfer institutions for specific transfer information.

AA – Environmental Studies

About the Degree

The Associate of Arts in Environmental Studies is a multidisciplinary 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

BIO 30 (Intro 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

ANTR 1 (Biological/Physical Anthropology).....	3
ANTR 2 (Introduction to Archaeology).....	3
ANTR 3 (Social/Cultural Anthropology).....	3
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 (Global Change).....	3

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major.....	36-37
Total Units Required.....	60

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1; IGETC: 5A.

Degree Applicable, Credit Grading Option: OP

FIRE SERVICE TECHNOLOGY

About the Program

Firefighting is a dynamic public safety profession that requires a wide and ever-changing range of knowledge and skills. Las Positas College offers a comprehensive Fire Science Technology Program taught by journey level firefighters and industry leaders. Areas of necessary knowledge include safety, fire behavior and suppression, rescue, emergency medical service delivery and operations, hazardous materials, building construction, detection and signaling systems and the incident command system. This program focuses on preparing the student for their first career step in the fire service. This program also includes educational opportunities for those employed within the fire service, as well as those within volunteer fire agencies. Courses include those required for transfer to four-year colleges, those required to meet eligibility requirements for employment, and those required for incentive salary increases and promotions. Las Positas College also offers a comprehensive Emergency Medical Services program including EMR, EMT, and Paramedic which complement the FST program and enhance employability and career growth.

Degrees/Certificates

Degree:

- AS – Fire Service Technology

Certificate of Achievement:

- 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. 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.

Transferability

The Fire Service Technology degree does not include the lower division requirements typical of other four year degrees. General education requirements should be selected carefully based on the intended transfer institution. There are a limited number of four year institutions with specific degrees in the fields of Fire Service Technologies.

AS - Fire Service Technology

Program Outcomes

- Upon completion of the AS in Fire Service Technology, students will gain knowledge safety, rescue, emergency medical operations and hazardous materials.

Freshman Year

FST 50* (Fire Protection Organization)	3
FST 51* (Fire Service Operations).....	3
FST 52* (Firefighter Safety and Survival)	3
FST 53* (Fire Behavior and Combustion).....	3
FST 54 (Fire Prevention Technology).....	3
FST 65** (First Responder Hazardous Materials/Incident Command ICS 200)	3
FST 86A* (Wildland Firefighter I--Basic).....	5
EMS 30* (Emergency Medical Responder)	3
FST FSC* (Fire Service Conditioning & Physical Agility Development)	1
General Education Courses§	

Sophomore Year

FST 55 (Fire Protection Equipment and Systems).....	3
FST 56 (Building Construction for Fire Protection).....	3
EMS 20* (Emergency Medical Technician)	6.5
FST 90 (Firefighter I Academy--Certification Preparation).....	6.5

General Education Courses§

Total Units Required.....60

§ Program-based General Education requirement: CMST 1 (Fundamentals of Public Speaking)

*Required for entry into the Fire Service Technology 90 (Fire Fighter I Certification Preparation)

Certificate of Achievement Fire Service Technology

Program Outcomes

- Upon completion of the Certificate of Achievement in Fire Service Technology, students will gain knowledge safety, rescue, emergency medical operations and hazardous materials.

FST 50** (Fire Protection Organization).....	3
FST 51** (Fire Service Operations)	3
FST 52** (Fire Safety and Survival).....	3
FST 53** (Fire Behavior and Combustion)	3
FST 54 (Fire Prevention Technology)	3
FST 55 (Fire Protection Equipment and Systems).....	3
FST 56 (Building Construction for Fire Protection).....	3
EMS 30 (Emergency Medical Responder)	3
EMS 20** (Emergency Medical Technician).....	6.5
Electives*.....	2-3

Total Units Required..... 32.5-33.5

*Electives

Select from the following for a minimum of 2 units:

FST 65 (First Responder Hazardous Materials/Incident Command ICS 200)
FST 74A (Fire Investigation 1A)
FST 86A (CAL Fire Basic Firefighter (2010))

**Fulfills the Fire Fighter I Certification requirements and required for entry into the Fire Service Technology 90 course (Fire Fighter I Academy Certification Preparation)

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 50 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. 3 hours lecture, 1 hour laboratory. Transfer: CSU; C-ID#FIRE 100.

Degree Applicable, Credit Grading Option: GR

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 firefighting, wildland firefighting, and hazardous material emergencies; and safety conditions to be considered. Strongly Recommended: FST 50 with a minimum grade of C or May be Co-Enrolled. 3 hours lecture, 1 hour laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

FST 51W FIRE EQUIPMENT OPERATIONS .5 UNITS

Application of Fire Equipment and tools for basic emergency service operations; use of PPE while responding to and operating at an emergency incident; traffic and scene control device deployment; communication device operations; equipment inspection, maintenance, transportation and set up; property conservation equipment application; thermal imaging camera operations for search; suppression and overhaul support. Prerequisite: FST 51 with a minimum grade of C (May be taken concurrently) or Instructor approval of equitable course work. 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

FST 52 FIREFIGHTER 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. 3 hours lecture, 1 hour laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

FST 53 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. 3 hours lecture. Transfer: CSU, C-ID#FIRE 140.

Degree Applicable, Credit Grading Option: GR

FST 54 FIRE PREVENTION TECHNOLOGY 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. Prerequisite: FST 50 with a minimum grade of C or Instructor Approval . 3 hours lecture. Transfer: CSU, C-ID#FIRE 110.

Degree Applicable, Credit Grading Option: GR

FST 55 FIRE PROTECTION EQUIPMENT AND 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. 3 hours lecture. Transfer: CSU, C-ID#FIRE 120.

Degree Applicable, Credit Grading Option: GR

FST 56 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, pre planning fire operations, and operating at fire and collapse emergencies. Development and evolution of building and fire codes will be studied in the relationship to past fires and collapses in residential, commercial, and industrial occupancies. Prerequisite: FST 50 with a minimum grade of C. 3 hours lecture. Transfer: CSU, C-ID#FORE 130.

Degree Applicable, Credit Grading Option: GR

FST 64 HAZMAT INCIDENT COMMANDER 1 UNIT

This class uses California Specialized Training Institute (CSTI) curriculum to prepare perspective Company Officers to manage Hazardous Materials incidents. 1 hour lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: P/NP

FST 65 FIRST RESPOND HAZ MAT/INCIDENT 3 UNITS

Hazard recognition and identification; incident response safety procedures and decontamination. Response to hazardous materials emergencies. Emphasis on skills and knowledge necessary to protect lives, property, and the environment. Meets the California Specialized Training Institute's requirements for Hazardous Materials First

Responder Operational Awareness and Hazmat First Responder "Decon" Certifications under California Government Code Section 1503. Principles of Incident Command System, basic ICS structure and common responsibilities. Meets the State Fire Marshal's Office I-200 Basic ICS (2006) Certification Requirement. Strongly Recommended: FST 53 with a minimum grade of C. 3 hours lecture, 1 hour laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

FST 71A FIRE COMMAND 1A - COMMAND PRINCIPLES FOR COMPANY OFFICERS 2 UNITS

Provides for company officers with information and experience in command and control techniques, Instruction and simulation time pertaining to the initial decision and action processes at a working fire. Topics include the fire officer and their acts of commanding and authority of command, fire behavior, fire ground resources, operations, and management. Prerequisite: Fire Service Technology 65 with a minimum grade of C or ICS 200 Basic ICS – Incident Command System Certification from NIMS – FEMA, FSTEP or NWCG. This is a State of California Fire Marshal, State Fire Training, CFSTES (California State Fire Service Training and Education System) course approved by the California State Fire Board. A certificate will be issued upon successful completion of the course. The course satisfies one of the component requirements for the certification track of Company Officer. 40 total hours for the course. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

FST 71B FIRE COMMAND 1B 2 UNITS

Provides company officers with information and experience in command and control techniques. Emphasis on decision making and appropriate use of resources for the first arriving company officer at hazardous material incidents. Satisfies part of the requirements for the State Fire Officer I Certification. 2 hours lecture.

Degree Applicable, Credit Grading Option: GR

FST 71C FIRE COMMAND 1C - 1-ZONE 2 UNITS

Designed for Firefighters, Company Officers, and Chief Officers with limited wildland experience. This course is designed around the responsibilities of the Company Officer at a wildland/urban interface incident. It will bring the structural Company Officer out of the city and into the urban/interface, in other words, from his or her comfort zone into an area that could very well be quite unfamiliar. This is a State of California Fire Marshal, CFSTES (California State Fire Service Training and Education System) course approved by the California State Fire Board. A certificate will be issued by the California State Fire Marshal, State Fire Training upon successful completion of the course This course satisfies one of the course component requirements for the certification track of Company Officer. This course also meets a component of certification required for CICC recognition for Strike Team Leader. 2 hours lecture.

Degree Applicable, Credit Grading Option: GR

FST 72 FIRE MANAGEMENT 1 2 UNITS

Designed for Company Officers or for Firefighters preparing for the position of Company Officer. This course prepares or enhances the first line supervisor's ability to supervise subordinates. It introduces key management concepts and practices utilized by Company Officers, and includes discussions about decision making, time management, leadership styles, personnel evaluations, and counseling guidelines.

This is a State of California Fire Marshal, State Fire Training, CFSTES (California State Fire Service Training and Education System) course approved by the California State Fire Board. A certificate will be issued by the California State Fire Marshal, State Fire Training upon successful completion of the course. This course satisfies one of the course component requirements for the certification track of "Company Officer". This course also meets or exceeds all Level I and Level II NFPA 1021, Standards for Fire Officer Professional Qualifications that apply to management. 2 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

FST 74A FIRE INVESTIGATION 1A 2 UNITS

An introduction into the principles of fire investigation including fire investigation techniques relating to different types of fires. Recognition of arson laws and penalties in California, laws related to scene preservation and evidence collection. Fire origin and cause determination within the fire ground environment. Fire scene documentation requirements. This is a State of California Fire Marshal, CFSTES (California Fire Service Training and Education System) course approved by the California State Fire Board. A certificate will be issued by the California State Fire Marshall, State Fire Training upon successful completion of the course. 2 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

FST 75A FIRE INSTRUCTOR 1A 2 UNITS

Methods and techniques to help fire service personnel select, develop, and organize materials for in-service training programs. This is the first of a two-course series, designed for Company Officers and personnel preparing for a Training Officer Position. Topics include: Occupational Analysis, course outline, concepts of learning, levels of instruction, behavioral objectives, lesson-plan development, psychology of learning and instructor evaluation. Student teaching demonstrations are required of all. This is a State of California Fire Marshal, State Fire Training CFSTES (California State Fire Service Training and Education System) course approved by the California State Fire Board. A certificate will be issued upon successful completion of the course. The course satisfies one of the component requirements for the certification track of "Level I Fire Instructor" and one of the component requirements for the certification track of "Company Officer." Prerequisite: FST 50 with a minimum grade of C. 2 hours lecture.

Degree Applicable, Credit Grading Option: GR

FST 86A CAL FIRE BASIC FIREFIGHTER (2010) 5 UNITS

A basic structural and wildland firefighting course oriented toward entry-level employment in agencies responsible for Wildland Fire Mitigation and Interface I-Zone Fire Protection. Emphasis on equipment utilized on CAL FIRE Engines (formerly California Department of Forestry). Meets minimum requirements for seasonal employment with CAL Fire. Course emphasizes demonstration, student application and performance examinations. Fundamentals of wildland fire control and techniques of controlling other emergency incidents covered with a strong safety perspective. Various live fire exercises for application of fire control and suppression techniques. Provides for S130, S131 and S190 equivalency under National Wildfire Coordinating Group (NWCG). Students completing this course, the prerequisite courses, and the CAL Fire "Firefighter Basic Training" Taskbook course meet the 2010 CAL Fire 179 Hour

"CAL FIRE Basic Firefighter" certification requirements. Course complies with the State Board of Fire Services Wildland Fire Fighting requirements for Structural Firefighter I Certification. Prerequisites: FST 50, FST 65, FST FSC1 and EMS 30 all with a minimum grade of C. 3 hours lecture, 6 hours laboratory.

Degree Applicable, Credit Grading Option: GR

FST 90 FIRE FIGHTER I ACADEMY— 6.5 UNITS
CERTIFICATION PREPARATION

Development of individual skills and basic knowledge necessary to perform the functions of a firefighter. Practice donning breathing apparatus, knot tying, placing ladders, pulling hose, making water supply connections, and using the incident command system. Skills and basic knowledge necessary to perform the functions of a fire attack team, as a Firefighter, Engineer and Captain within a series of required multiple company level exercises which include: hose and ladder evolutions, rescue, salvage, overhaul, along with fire attack, control and extinguishment and ventilation techniques for various situations. A Firefighter-I Graduation Certificate is awarded upon successful completion. Students with six months paid experience or 12 months volunteer/work experience may apply for the State Fire Training CFSTES Certificate with proof of current completion of a valid Emergency Medical Technician Certificate. Prerequisites: FST 50 with a minimum grade of C, FST 51 with a minimum grade of C, FST 52 with a minimum grade of C, FST 53 with a minimum grade of C, FST 65 with a minimum grade of C, FST FSC1 with a minimum grade of C, and EMS 20 with a minimum grade of C or proof of current certification as an "Emergency Medical Technician." 72 Total Lecture Hours, 135 Total Laboratory Hours.

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. 3 hours laboratory. AA/ AS GE. Transfer: CSU; CSU GE: E.

Degree Applicable, Credit Grading Option: GR

FRENCH

About the Courses

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.

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. 5 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 to learn 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. 5 hours lecture. AA/AS GE. Transfer: CSU, UC; IGETC: 6A.

Degree Applicable, Credit Grading Option: OP

FREN 2A INTERMEDIATE FRENCH 4 UNITS

Review of grammar; reading of works of modern authors; practice in conversation and composition. Prerequisite: FREN 1B with a minimum grade of C. 4 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B, 6A.

Degree Applicable, Credit Grading Option: OP

FREN 2B ADVANCED FRENCH 4 UNITS

Reading of French authors; advanced review of grammar, emphasis on speaking and composition. Prerequisite: FREN 2A with a minimum grade of C. 4 hours lecture. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B, 6A.

Degree Applicable, Credit Grading Option: OP

FREN 29 INDEPENDENT STUDY- FRENCH .5-2 UNITS

For course information, see "Independent Studies"

GEOGRAPHY

About the Program

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.

Degrees/Certificates

Degree:

- AA-T – Geography

Transferability

All of the geography courses are transferable to most four-year colleges in the state.

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:

- 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 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

GEOG 1 (Introduction to Physical Geography).....	3
GEOG 1L (Intro to Phys Geog Laboratory).....	1
GEOG 2 (Cultural Geography)	3

List A: Select Two to Three

GEOG 5 (World Regional Geography).....	3
GEOG 12 (Geography of California).....	3
GEOG 15 (Introduction to GIS)	3
GEOG 8 (Weather and Climate)	3

List B: Select Two

Any course from List A not already used.

GEOL 1 (Physical Geology).....	3
ANTR 3 (Social/Cultural Anthropology)	3

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major	19
Total Units Required.....	60

Geography Courses (GEOG)

GEOG 1	INTRODUCTION TO PHYSICAL GEOGRAPHY	3 UNITS
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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). 3 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	INTRO TO PHYS GEOG LABORATORY	1 UNIT
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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). 3 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
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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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4; C-ID#GEOG 120.

Degree Applicable, Credit Grading Option: GR

GEOG 5	WORLD REGIONAL GEOGRAPHY	3 UNITS
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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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4; C-ID#GEOG 125.

Degree Applicable, Credit Grading Option: GR

GEOG 8	INTRO TO ATMOSPHERIC SCIENCE	3 UNITS
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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. 3 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1, D; IGETC: 4, 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) and modeling with GIS. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; C-ID#GEOG 155.

Degree Applicable, Credit Grading Option: GR

GEOLOGY

About the Program

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.

Degrees/Certificates

Degree:

- AS-T - Geology

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.

Transferability

The Geology course offerings at LPC include the lower-division

courses typical of lower division geology requirements of most four-year institutions. All potential geology majors should consult the current college catalog for geology degree requirements at the school to which the student wishes to transfer.

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:

- 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 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

GEOL 1 (Physical Geology).....	3
GEOL 1L (Physical Geology Laboratory).....	1
GEOL 3 (Historical Geology).....	3
GEOL 3L (Historical Geology Laboratory).....	1
CHEM 1A (General College Chemistry I).....	5
CHEM 1B (General College Chemistry II).....	5
MATH 1 (Calculus I).....	5
MATH 2 (Calculus II).....	5

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major	28
Total Units Required.....	60

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. 3 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). 3 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B3; IGETC: 5C; C-ID#GEOL 100.

Degree Applicable, Credit Grading Option: OP

GEOL 3 HISTORICAL GEOLOGY 3 UNITS

Formation and development of the earth, its oceans, atmosphere and life through time. Emphasis on the Geologic Time Scale, the fossil record, introductory biostratigraphy, radiometric dating, index fossils, fossil assemblages, paleo-ecology, mass extinctions, types of fossil preservation, paleoclimate, Ice Ages and glacial events through time, paleogeography: plate tectonic configurations throughout time, major events through the scope of Geologic Time, 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). 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1; IGETC: 5A; C-ID#GEOL 110.

Degree Applicable, Credit Grading Option: OP

GEOL 3L HISTORICAL GEOLOGY LABORATORY 1 UNIT

Laboratory exercises to support and reinforce the Historical Geology lecture course. Includes lab exercises in rocks and minerals, relative and absolute age-dating, biostratigraphy, radiometric dating, the construction of geologic histories from geologic map data, types of fossil preservation, fossil identification and morphology of the common and important fossils throughout the Geologic Time Scale. Formation and development of the earth, its oceans, atmosphere and life through time. Prerequisite: GEOL 3 with a minimum grade of C (May be taken concurrently). 3 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B3; IGETC: 5C; C-ID#GEOL 110.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1; IGETC: 5A.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1; IGETC: 5A.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B1; IGETC: 5A.

Degree Applicable, Credit Grading Option: OP

GEOL 12L INTRO 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). 3 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B3; IGETC: 5C.

Degree Applicable, Credit Grading Option: OP

GRAPHIC DESIGN & DIGITAL MEDIA

About the Program

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 program: <http://laspositascollege.edu/vcom/>

See also: Art, Photography

Degrees/Certificates

Degree:

- AA – Graphic Design

Certificate 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.

Transferability

The Graphic Design & Digital Media program includes lower-division degree requirements of typical four-year institutions. While units in this program are transferable to many institutions, students should consult a counselor for transfer information. General education requirements should be selected carefully based on the intended transfer institution.

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 Associate of Arts 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 Associate of Arts 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 Associate of Arts 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 Associate of Arts 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

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

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 70 (Photoshop and Lightroom for Photographers).....	3
GDDM 67 (InDesign II).....	3
GDDM 68 (Creative Portfolio Preparation).....	3

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major33

Total Units Required.....60

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

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

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

ARTS 23 (2-D Design)	3
GDDM 56 (Introduction to Graphic Design).....	3

Total Units Required.....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

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

GDDM 67 (InDesign II)	3
GDDM 68 (Creative Portfolio Preparation)	3
GDDM 3 (The History of Modern Design)	3
GDDM 2 (Wordpress and Content Management Systems).....	3
GDDM 4 (User Interface and User Experience Design).....	3
GDDM 70 (Photoshop and Lightroom for Photographers)	3
GDDM 40 (Design Shop: The Business of Design)	3
GDDM 65 (Elect Prepress/Print Prod).....	3

Total Units Required.....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

GDDM 51 (Color Theory for Design)	3
GDDM 53 (Photoshop I)	3
GDDM 54 (Illustrator I)	3
GDDM 56 (Introduction to Graphic Design).....	3
GDDM 60 (Creative Portfolio Development & Self Promotion)	3
GDDM 52 (Introduction to Typography).....	3
GDDM 64 (InDesign I)	3
GDDM 59 (Illustrator II)	3
GDDM 65 (Elect Prepress/Print Prod).....	3

List A: Select Two

GDDM 58 (Photoshop II).....	3
GDDM 57 (Branding and Identity Design).....	3
GDDM 3 (The History of Modern Design)	3
GDDM 40 (Design Shop: The Business of Design)	3
GDDM 67 (InDesign II)	3
GDDM 68 (Creative Portfolio Preparation)	3

Total Units Required.....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

GDDM 51 (Color Theory for Design)	3
GDDM 53 (Photoshop I)	3
GDDM 54 (Illustrator I)	3
GDDM 56 (Introduction to Graphic Design).....	3
GDDM 60 (Creative Portfolio Development & Self Promotion)	3
GDDM 55 (Web Design I).....	3
GDDM 2 (Wordpress and Content Management Systems).....	3
GDDM 4 (User Interface and User Experience Design)	3

List A: Select One

GDDM 63 (Website/Multimedia Production)	3
GDDM 62 (Web Design II)	3
GDDM 67 (InDesign II)	3
GDDM 40 (Design Shop: The Business of Design)	3
GDDM 68 (Creative Portfolio Preparation)	3
GDDM 3 (The History of Modern Design)	3

Total Units Required.....27

Graphic Design & Digital Media (GDDM)

GDDM 2 WORDPRESS AND CONTENT MANAGEMENT SYSTEMS 3 UNITS

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. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 3 THE HISTORY OF MODERN DESIGN 3 UNITS

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

GDDM 4 USER INTERFACE AND USER EXPERIENCE DESIGN 3 UNITS

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. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 29 INDEPENDENT STUDY, GRAPHIC DESIGN & DIGITAL MEDIA 5-2 UNITS

For course information, see "Independent Studies"

GDDM 40 DESIGN SHOP: THE BUSINESS OF DESIGN 3 UNITS

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. 1.5 hours lecture, 4.5 hours laboratory.

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. Prerequisite: ARTS 2A with a minimum grade of C. Strongly Recommended: GDDM 53 with a minimum grade of C. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU, UC.

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. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU, UC.

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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GDDM 65 ELECT PREPRESS/PRINT PROD 3 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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. 1.5 hours lecture, 4.5 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). 1.5 hours lecture, 4.5 hours laboratory. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

GLOBAL STUDIES

About the Program

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.

Degrees/Certificates

Degree:

- 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.

Transferability

Global Studies offers two core courses and other courses in a variety of disciplines, providing students with a breadth of knowledge and depth of understanding of global issues. Global Studies courses also count as General Education credit, and depending on the courses they select, students may be prepared for Associate and Baccalaureate degrees in Global Studies or other social science and humanities majors.

AA-T Global Studies

About the Degree

The Associate in Arts in Global Studies for Transfer (AA-T) 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 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 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

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, socioeconomics, 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

HLTH 1 (Introduction to Personal Health).....	3
HLTH 7 (Introduction to Public Health).....	3
MATH 40 (Statistics and Probability)	4
BIO 30 (Intro to College Biology).....	4
CHEM 31 (Intro to College Chemistry) or CHEM 1A (General College Chemistry I).....	4-5
PSYC 1 (General Psychology).....	3
BIO 7A (Human Anatomy)	5
BIO 7B (Human Physiology).....	5

List A: Select One

ECON 1 (Principles of Microeconomics).....	3
ECON 2 (Principles of Macroeconomics)	3
NUTR 1 (Nutrition).....	3
PSYC 10 (Psychology of Human Sexuality).....	3
HLTH 11 (Health and Social Justice).....	3
SOC 1 (Principles of Sociology)	3
HLTH 3 (Women's Health)	3
PSYC 12 (Life-Span Psychology).....	3

Total Units for the Major 34-45

Total Units Required..... 60

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. 3 hours lecture. AA GE. Transfer: CSU, UC*; CSU GE: E; C-ID#PHS 100. *HLTH 1 and HLTH 3 combined, max 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. 3 hours lecture. AA GE. Transfer: CSU, UC*; CSU GE: D, E; IGETC: 4. *HLTH 1 and 3 combined: max 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; 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. 3 hours lecture. Transfer: CSU, UC; C-ID#PHS 102.

Degree Applicable, Credit Grading Option: OP

HLTH 29 INDEPENDENT STUDY, HEALTH .5-2 UNITS

For course information, see "Independent Studies"

HISTORY

About the Program

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.

See also: Humanities, Social Science

Degrees/Certificates

Degree:

- 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.

Career Opportunities

Historians with graduate degrees may teach at the high school, college, or graduate levels. They may also become researchers in both the public and private sectors and work in areas of public policy, the law, and international studies. The study of history develops important skills of thinking, analysis, and communication that are useful for any field of employment or further study.

Transferability

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." Some variations in requirements do exist at particular institutions; therefore, it is essential that the student also refer to the catalog of the prospective transfer institution and consult a counselor.

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

HIST 7 (US History Through Reconstruct)	3
HIST 8 (US History Post-Reconstruction).....	3

List A

HIST 1 (Western Civilization to 1600).....	3
HIST 2 (Western Civilization since 1600).....	3

List B: Select one course from each area

Area 1

HIST 25 (American Indian History and Culture) or HIST 32 (U.S. Women’s History)	3
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Area 2

HIST 14 (History and American Cultures of California) or HIST 28 (History of the American West)	3
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Total Units for the Major18

Total Units Required.....60

History Courses (HIST)

HIST 1 WESTERN CIVILIZATION TO 1600 3 UNITS

Origin and development of civilization in the Mediterranean and its expansion into Europe - the Near East, Greece, Rome, the Middle Ages, Renaissance, and the Reformation. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2, D; IGETC: 3B, 4; C-ID#HIST 170.

Degree Applicable, Credit Grading Option: GR

HIST 2 WESTERN CIVILIZATION SINCE 1600 3 UNITS

History of the Modern Western World: Romanticism and the Industrial Revolution to the present. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2, D; IGETC: 3B, 4; C-ID#HIST 180.

Degree Applicable, Credit Grading Option: GR

HIST 7 US HISTORY THROUGH RECONSTRUCT 3 UNITS

A survey of United States history from its pre-colonial, indigenous origins through the end of Reconstruction. Emphasis on (1) distinctively American patterns of political, economic, social, intellectual, and geographic developments, (2) the interaction amongst and the experiences of diverse racial, ethnic and socioeconomic groups in American History, and (3) the evolution of American institutions and ideals including the U.S. Constitution, the operations of the U.S. government, and the rights and obligations of U.S. citizens under the Constitution. 3 hours lecture. AA GE. Transfer: CSU, UC; CSU GE: C2, D; IGETC: 3B, 4; C-ID#HIST 130.

Degree Applicable, Credit Grading Option: GR

HIST 8 US HISTORY POST-RECONSTRUCTION 3 UNITS

History of the United States from the post-Civil War period to the present. Emphasis on (1) distinctively American patterns of political, economic, social, intellectual and geographic developments, (2) the framework of California state and local government, and the relationship between state/local government and the federal government. 3 hours lecture. AA GE. Transfer: CSU, UC; CSU GE: C2, D; IGETC: 3B, 4; C-ID#HIST 140.

Degree Applicable, Credit Grading Option: GR

HIST 14 HISTORY AND AMERICAN CULTURES OF CALIFORNIA 3 UNITS

The history of California from its pre-contact societies to the present, with particular attention to the following periods: Spanish exploration and colonization; the Mexican Revolution; American conquest and the Gold Rush; the Progressive Era; the Great Depression and World War II; and the social movements of the 1960’s. In addition to exploring the major political, economic, technological, social, cultural, and environmental developments that have shaped California’s history, this course will focus on the distinct and overlapping experiences of the state’s Native American, Latino American, African American, Asian American, and European American populations. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2, D; IGETC: 3B, 4.

Degree Applicable, Credit Grading Option: GR

HIST 25 AMERICAN INDIAN HISTORY 3 UNITS

Historical survey of American Indians in the United States from earliest times to the present day. Emphasis on Indian societies and cultures, Indian relations with predominant cultures, Indian movement for self-preservation, and historical background necessary to understand contemporary problems of the Indians. Emphasis on the Indians of California and the West. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2, D; IGETC: 3B, 4.

Degree Applicable, Credit Grading Option: GR

HIST 28 HISTORY OF AMERICAN WEST 3 UNITS

A history of the trans-Mississippi West of the United States. Emphasis will be placed on Native American history and cultures, European and Anglo-American frontiers, expansion of the United States in the 19th century, and the interaction of Native American, European American, Asian American, African American and Hispanic American peoples, and the significance of the West in American history. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

Degree Applicable, Credit Grading Option: GR

HIST 32 U.S. WOMEN’S HISTORY 3 UNITS

A survey of United States women’s history from its indigenous origins through the present. This course emphasizes the interaction and experiences of diverse racial/ethnic groups that include at least three of the following groups: African-Americans, Chicana/Latina Americans, Asian Americans, European Americans, and Native Americans. Special areas of focus include women’s role in the political, economic, social, and geographic development of the United States. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2, D; IGETC: 3B, 4.

Degree Applicable, Credit Grading Option: GR

HORTICULTURE

About the Program

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.

Degrees/Certificates

Degree:

- AS – Horticulture

Certificate of Achievement:

- Landscape Design
- Landscape Maintenance and Construction
- 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/>

Transferability

The Horticulture program fulfills typical lower-division degree requirements of four-year institutions. General education requirements should be selected carefully based on the intended transfer institution; and it is essential that the student refer to the catalog of the prospective transfer institution and consult a counselor.

See also: Viticulture and Winery Technology

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

- The successful student 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.

Required Core

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 (Arbiculture/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

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 71 (Fundamentals of Hydroponics and Aquaponics).....	3
HORT 73 (Computer Aided Landscape Design)	3
HORT 67 (Interior Landscapes)	2

Program Based GE

BIO 40 (Humans and the Environment).....	3
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GENERAL EDUCATION AND ELECTIVES

Total Units for the Major 31-34

Total Units Required.....60

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.

Required Core

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 (Arbiculture/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 Required.....	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.

Required Core

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 Required	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.

Required Core

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 Required.....	12

Horticulture Courses (HORT)

HORT 50 INTRODUCTION TO HORTICULTURE	3 UNITS
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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.) 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HORT 51 FALL PLANT MATERIAL IDENTIFICATION	3 UNITS
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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.) 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HORT 52 SPRING PLANT MATERIAL IDENTIFICATION	3 UNITS
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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.) 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HORT 53 LANDSCAPE AND VINEYARD PEST AND DISEASE MANAGEMENT	3 UNITS
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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. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

HORT 54 LANDSCAPE AND VINEYARD SOILS, FERTILIZERS, AND IRRIGATION	3 UNITS
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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. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

HORT 55 GREENHOUSE, NURSERY, AND GARDEN CENTER MANAGEMENT 3 UNITS

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. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HORT 56 ARBORICULTURE/ URBAN FORESTRY 3 UNITS

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.) 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HORT 57 LANDSCAPE AND TURFGRASS MGMT 2 UNITS

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. 1.5 hours lecture, 1.5 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. 2.5 hours lecture, 1.5 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. 1.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HORT 60 LANDSCAPE IRRIGATION SYSTEMS 3 UNITS

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. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HORT 62 CALIFORNIA NATIVE AND DRY LANDSCAPES 2 UNITS

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. 1.5 hours lecture, 1.5 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. 2 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. 1.5 hours lecture, 1.5 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HORT 71 FUNDAMENTALS OF HYDROPONICS AND AQUAPONICS 3 UNITS

The ecological design and operation of urban agriculture that covers the fundamental principles of raising fish and vegetable crops in soil-less media. 2.5 Hours Lecture 1.5 Hours Laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

HORT 73 COMPUTER AIDED LANDSCAPE DESIGN 3 UNITS

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. 2 hours lecture, 3 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

HUMANITIES

About the Program

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.

Degrees/Certificates

Degree:

- AA – Humanities

Transferability

This degree prepares those interested in Interdisciplinary Studies, Humanities or Classical Studies/Philosophy majors for successful transfer to four-year institutions. Some variation in requirements may exist at a particular four-year transfer institution; therefore, it is essential that students refer to the catalog of the prospective transfer institution and consult a counselor. General Education courses should be carefully selected to meet the requirements of the intended transfer institution; some transfer institutions require more General Education units than required by this AA degree.

See also: Philosophy, Religious Studies

AA – Humanities

Program Outcomes

- Upon completion of the AA in Humanities, the student will be able to express informed aesthetic responses to works of art.
- Upon completion of the AA in Humanities, the student will be able to interpret and apply theoretical methods used in the humanities.

Freshman Year

HUMN 3 (FLM-Drama-Mus-Vis Art-Lyr Poet)	3
ANTR 5 (Cultures of the U.S. in Global Perspective)	3
PHIL 1 (God, Nature, Human Nature).....	3
HUMN 10 (The American Style).....	3
RELS 1 (Religions of the World).....	3
ARHS 4 (Art History: Ancient).....	3
General Education Courses	

Sophomore Year

HUMN 28 (The Classic Myths).....	3
PHIL 2 (Ethics).....	3
HIST 1 (History of Western Civilization to 1600)	3
HIST 2 (History of Western Civilization since 1600).....	3
ARHS 5 (Art History: Renaissance to Modern).....	3
HUMN 44 (Narrative Film and Film Music).....	3

General Education Courses

Total Units Required.....60

Humanities Courses (HUMN)

HUMN 3 FLM-DRAMA-MUS-VIS ART-LYR POET 3 UNITS

Dramatic literature, the theater including filmic art, an introduction into the experience and appreciation of works of musical and visual art and lyric poetry. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

HUMN 4 GLOBAL CINEMA 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. 3 hours lecture, 3 hours laboratory. AA/AS GE. Transfer: CSU, UC.

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. 3 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

Visual, literary, and musical works of art that reflect the issues and concepts of the twentieth and twenty-first centuries. A perspective through exploration of chosen works. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

HUMN 10 THE AMERICAN STYLE 3 UNITS

Humanities of the United States. Major works of literature, painting, sculpture, architecture, films, music, philosophy, science, religion and political and social institutions. Particular attention to values and meanings that reflect the American cultural experience. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

HUMN 28 THE CLASSIC MYTHS 3 UNITS

Introduction to mythic themes recurring in literature, the visual arts, and music; gods, humans, heroes; their origins, variations, historical development, and full expression in classical times and continued

presence in the arts. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

HUMN 29 INDEPENDENT STUDY, HUMANITIES 5-2 UNITS

For course information, see “Independent Studies”

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

INDEPENDENT STUDY

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

About the Program

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. 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 form a collaboration throughout the program. Work experience or internships are encouraged.

Degrees/Certificates

Degree:

- AS – Interior Design

Certificate 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>

Transferability

While units in the program are transferable to many institutions, students should consult a counselor for information.

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

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

CMST 1 (Fundamentals of Public Speaking)	3
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GENERAL EDUCATION AND ELECTIVES

Total Units for the Major	33
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Total Units Required.....	60
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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

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

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 Required.....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. 2 hours lecture, 3 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. 3 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. 2 hours lecture, 3 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. 3 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. 3 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. 3 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. 2 hours lecture, 3 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. 2 hours lecture, 3 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. 2 hours lecture, 3 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. 3 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

ITALIAN

About the Courses

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. 5 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. 5 hours lecture. AA/AS GE. Transfer: CSU, UC; IGETC: 6A.

Degree Applicable, Credit Grading Option: OP

JOURNALISM

See Mass Communications

KINESIOLOGY

About the Program

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.

Degrees/Certificates

Degree:

- AA-T – Kinesiology

Certificate of Achievement:

- Athletic Training/Sports Medicine

Transferability

The program provides preparation for transfer, fulfilling typical lower division requirement for most four-year institutions. Some variations in requirements do exist at particular institutions and for particular Kinesiology options; therefore, it is essential that the student also refer to the catalog of the prospective transfer institution and consult a counselor.

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

KIN 30 (Introduction to Kinesiology)	3
BIO 7A (Human Anatomy)	5
BIO 7B (Human Physiology)	5

Movement-Based Courses: Select one course maximum from any three of the following areas:

Area 1: Aquatics

KIN AQA (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 1 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 WTW (Weight Training for Women)	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

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

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major 22-26

Total Units Required.....60

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.

Required Core

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 Required.....	28

Kinesiology Activity Courses (KIN)

KIN AA E ADAPTED AEROBIC EXERCISE .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 for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN AAQE ADAPTIVE 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 for .5-2 laboratory units. (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 *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 laboratory hours for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN AWT ADAPTIVE 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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN BC1 BOOT CAMP FOR FLEXIBILITY & CORE DEVELOPMENT 1-2 UNITS

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 laboratory hours for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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. 27-108 laboratory hours for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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. 27-108 laboratory hours for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN BX BOX AEROBICS 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 laboratory hours for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 BX. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*. *Max UC credit, 4 units of KIN activity courses.

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 for 1 laboratory unit. AA/AS GE. Transfer: CSU, UC*. *Max UC credit, 4 units of KIN activity courses.

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 for 1 laboratory unit. AA/AS GE. Transfer: CSU, UC*. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN CYCL1 CYCLING CONDITIONING 1 1-2 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 laboratory hours for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for .5-2 units. AA/AS GE. Transfer: CSU, UC*. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory unit. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit,

4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN DBS DANCE AEROBICS/BODY SCULPTING 1-2 UNITS

A combination of energizing aerobic dance and specific resistance training. Improves cardio-respiratory endurance and tones major muscle groups. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN FC FITNESS CENTER 0.5-2 UNITS

Students will be presented instruction on how to development 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 for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: P/NP

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 for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: P/NP

KIN FL1 FLAG FOOTBALL 1 1-2 UNITS

This is an introductory course designed to give the student an opportunity to review and practice the basic fundamental skills relative to the game of flag football. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN FL2 FLAG FOOTBALL 2 1-2 UNITS

This is an intermediate course designed to teach students the principles of short-field flag football. Instruction will include: rules, regulations, and concepts of play for 4-on-4 and 5-on-5 flag football. Strongly Recommended: KIN FL1 with a minimum grade of C. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN FL3 FLAG FOOTBALL 3 1-2 UNITS

This course is a continuation course for Flag Football 2. Review of the rules and regulations will be included. This level course will provide instruction on more complex offensive tactics, defensive strategies and concepts of play for 7 on 7 and 8 on 8 flag football. Students will receive instruction on the principles of long-field flag football. Strongly Recommended: KIN FL1 with a minimum grade of C, KIN FL2 with a minimum grade of C. 54- 108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN FNE1 FENCING - EPEE 1 1-2 UNITS

This course is an introduction to epee. Emphasis is on the technical and tactical skills unique to epee fencing. Basic skills include the development of correct footwork, precise blade action, and sound tactical decisions. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN FNE2 FENCING - EPEE 2 1-2 UNITS

This is a second semester course for epee. Emphasis is establishing consistent technical and tactical skills unique to epee fencing. There will be introduction to use of electrical equipment. Strongly Recommended: KIN FNE1 with a minimum grade of C, Footwork movements (advance, retreat, and lunge) must be correct and controlled. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

KIN FNF1 FENCING - FOIL 1 1-2 UNITS

This course is an introduction to foil. Emphasis is on the technical and tactical skills unique to foil fencing. Basic skills include the development of correct footwork, precise blade action, and sound tactical decisions. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN FNF2 FENCING - FOIL 2 1-2 UNITS

This is a second semester course for foil. Emphasis is establishing consistent technical and tactical skills unique to foil fencing. There will be introduction to use of electrical equipment. Strongly Recommended: KIN FNF1 with a minimum grade of C, Footwork movements (advance, retreat, and lunge) must be correct and controlled. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

KIN FS1 INTRODUCTION TO FUTSAL 1-2 UNITS

This is an introductory course designed to review and practice the basic fundamental skills relative to the game of Futsal Students will learn the basic rules of Futsal, which is a derivative of soccer and played with five-player teams on a basketball court, with no walls and a low bouncing ball. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN FS2 INTERMEDIATE FUTSAL 1-2 UNITS

This Futsal course will focus on intermediate skills. For example, students will become familiar with methods of combination play to penetrate compact, zonal defenses. Also, illustrations of how and when to apply principles of pressure, cover and balance in coordinated defending are incorporated. Strongly Recommended: KIN FS1 with a minimum grade of C. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN FW1 FITNESS WALKING 1 1-2 UNITS

This course is an introduction to a cardiovascular activity that will benefit anyone, regardless of age or fitness level. Individualized walking programs are designed to promote general overall fitness. Walking skills will be improved through the practice of effective and technically correct movement patterns. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN FW2 FITNESS WALKING 2 1-2 UNITS

This course is a continuation course to the Jog/Walk class (KIN JW). The proper technique and fundamental principles of training for this activity will be reviewed. Basic exercise physiology will be discussed. The student will be given training regimens to increase their pace, speed, distance and endurance for middle distances i.e.) 5K - 10K. Nutritional requirements and dietary advice will be presented. Training logs will be used to document performance. Pre and post walk/jog assessments will be done to establish a baseline of conditioning and reflect increases in performance. Strongly Recommended: KIN JW with a minimum grade of C. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN FW3 FITNESS WALKING 3 1-2 UNITS

This is a continuation course for Fitness Walking 2. The course will continue to enhance one's knowledge of using walking/jogging in competition, whether it be cross country events, local race events, fun runs or competitive recreational events. Emphasis will be on speed work, terrain training, endurance development and training for varying outdoor weather conditions. The physiological and psychological aspects of competitive activity is presented. Training regimens and performances will be documented in logs for assessment and training adjustments. Nutritional and treatment of typical chronic orthopedic injuries will be discussed. Extracurricular and off campus events will be encouraged. Strongly Recommended: KIN JW with a minimum grade of C and KIN FW2 with a minimum grade of C. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN GBW GUTS AND BUTTS WORKOUT 1-2 UNITS

This course will focus on improving muscle strength and endurance of the abdominals, gluteals, quadriceps, and hamstrings. Functional exercises such as squats, lunges and planks will be utilized. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU,

UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN ID INTRODUCTION TO DANCE 1-2 UNITS

Introduction to the distinct movements and techniques characteristic of ballet, modern dance, and jazz dance. The course will focus on the development of coordination, rhythm, strength, flexibility, alignment, and basic dance movement combinations in each of the three dance genres. In addition, knowledge of musculoskeletal alignment, movement safety, and dance appreciation skills will be included. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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. 1 hour lecture, 1.5 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E; *Max UC credit, 4 units of KIN activity courses.

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. .5 hours lecture, 1.5 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN PPA1 POWER PLATFORM AEROBICS 1-2 UNITS

This kinesiology movement course is an intense and dynamic platform (step) workout. It will improve the student's aerobic fitness, muscular strength, muscular endurance and body composition. The student will use platforms at different heights and tempo to increase the intensity of the workout. The proper technique and safety guidelines, aerobic principles, stepping basics and physiological benefits will be presented. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: GR

KIN SC1 SOCCER OUTDOOR 1-2 UNITS

Students will practice the skills of kicking, passing, trapping and heading necessary for controlled field 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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: GR

KIN SC2 SOCCER OUTDOOR 2 1-2 UNITS

This course will focus on advanced technical skills such as bending the pass, group attacking principles of when and how to utilize the space between the opponent's defensive line and midfielder line and group defending including zonal defending to create counter-attacking opportunities. Strongly Recommended: KIN SC1. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN SD 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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN SI SOCCER – INDOOR 1-2 UNITS

Course will incorporate Indoor Soccer Principles of Play. This includes on offense; the responsibilities of the 1st attacker (when and how to penetrate), 2nd attacker (support), and 3rd attacker (width and depth). Additional instruction incorporates defensive responsibilities of the 1st defender (pressure and delay), 2nd defender (depth), and 3rd defender (balance). 54- 108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 transfer units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E; *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max

UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1- 2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2

laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 WTW1. 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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC Credit; 4 units for KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses. *Any combination of KIN XT1, 17, 21A, 21B, 22A, 23, 27: Max UC credit, 8 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 for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E; *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN YOF YOGA FITNESS 1-2 UNITS

This yoga fitness course provides a unique combination of yoga and fitness principles. Discussion of the philosophy of yoga and the implications it has on one's health. Emphasis is on developing muscle endurance and strength, body alignment, balance, flexibility and core stability through a series of exercises and poses. Student will learn how to recognize their own individual strengths and limitations. Relaxation techniques will be taught for stress reduction and general well being. 54-108 hours laboratory for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN YOATH YOGA FOR ATHLETES—SPORTS CONDITIONING 0.5-2 UNITS

Designed to prepare potential and current athletes for intercollegiate competition. Presents a combination of strength, flexibility and balance control, combined with breathing techniques, to increase focus and mind-body awareness for athletic competition. 27-108 hours laboratory for .5-2 laboratory units. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: GR

KIN ZUM1 ZUMBA FITNESS WORKOUT 1 1-2 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 for 1-2 laboratory units. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: GR

Kinesiology Theory Courses (KIN)

KIN 5 SPORTS MANAGEMENT 3 UNITS

This course consists of how to organize, manage, plan, staff, direct, and control a sports program. The course also includes such areas 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. In addition, this course will provide an overview of the many careers available in the sports management industry. 3 hours lecture. AA/AS GE. 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 blackboard- enhanced assignments. 3 hours

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. 3 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) practical applications of sports officiating. Discussion, study and implementation of rule enforcement, mechanics, and techniques used by officials in officiating athletic contests. 2 hours lecture, 1 hour laboratory. Transfer: CSU, UC*. *Any combination of KIN XT1, 17, 21A, 21B, 22A, 23, 27: Max UC credit, 8 units.

Degree Applicable, Credit Grading Option: GR

KIN 29 INDEPENDENT STUDY .5-2 UNITS

For course information, see "Independent Studies"

Grading Option: GR

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. 3 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 UNIT

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 laboratory hours for 1.5 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 laboratory hours for 1.5 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 3 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E * Max UC Credit, 4 Units of KIN activity courses.

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 for 1-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. *Max UC credit, 4 units of KIN activity courses.

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 for 1 laboratory unit. AA/AS

conducted through the NCAA and CCCAA. Defensive and offensive strategies, swimming mechanics, and water polo ball skills appropriate to intercollegiate athletic competition will be expected of the participants. This course may be taken four times for credit. Strongly Recommended: KIN SW3 and KIN WP1 with a minimum grade of C. 162 hours laboratory for 3 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: GR

KIN 61 WATER POLO OFF SEASON TRAINING 0.5-2 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. 27-108 hours laboratory for .5-2 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE: E. * Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: OP

KIN 65 INTERCOLLEGIATE WATER POLO -- WOMEN'S 3 UNITS

This course is for Intercollegiate Women's Water Polo competition conducted through the NCAA and CCCAA. Defensive and offensive strategies, swimming mechanics, and water polo ball skills appropriate to intercollegiate athletic competition will be expected of the participants. This course may be taken four times for credit. Strongly Recommended: KIN SW3 with a minimum grade of C and KIN WP1 with a minimum grade of C. 162 hours laboratory for 3 laboratory units. AA/AS GE. Transfer: CSU, UC*; CSU GE E. *Max UC credit, 4 units of KIN activity courses.

Degree Applicable, Credit Grading Option: GR

LEARNING SKILLS

About the Courses

Learning Skills courses are designed for students who have learning and other cognitive disabilities. Emphasis is on developing tools/strategies necessary for academic success. These courses are offered in a small class environment to maximize learning. Students without identified disabilities, but who experience academic difficulty are welcome as space allows.

Learning Skills Courses (LRNS)

LRNS 110 TRANSITION TO COLLEGE- DSP&S 0.5 UNITS

This course is designed to promote the successful transition of students with disabilities to college. Students will be introduced to the overall cultural differences between high school and college as well as the specific demands of accessing support services in college. Emphasis will be placed on the identification of the legal basis for accommodations, the development of advocacy skills, and the identification of learning strategies. 9 hours lecture per semester.

Non-Degree Applicable, Credit Grading Option: P/NP

LRNS 116 INTRODUCTION TO LEARNING DISABILITIES/MEMORY AND LEARNING 1 UNIT

Introduces the definition, characteristics and myths of learning disabilities. The focus will be on how the brain learns, to include information processing, learning styles, memory, retention and retrieval of information, and types and effects of learning related disabilities on academic performance. Practical instruction is provided on learning tools and compensating strategies. Appropriate for anyone experiencing difficulty with academic achievement in any area. This course will be used to screen for appropriateness of assessment for learning disabilities. 1 hour lecture.

Non-Degree Applicable, Credit Grading Option: OP

LRNS 117 LEARNING SKILLS—READING 3 UNITS

Prepares students with learning related disabilities for college level reading assignments. The focus will be on learning compensatory strategies in reading comprehension, becoming an active reader and building vocabulary. Overall goal is to enhance critical reading strategies for college courses. In addition, guided practice in specific learning and study strategies will be provided as they relate to success in content courses. Students will learn the theory of how memory works and how to apply it to their own memory. 3 hours lecture.

Non-Degree Applicable, Credit Grading Option: OP

LRNS 118 LEARNING SKILLS— WRITING STRATEGIES 2 UNITS

Provides writing support for students with learning related disabilities who are taking basic skills courses in English. The focus is to remediate gaps in the understanding of grammar and simple and complex sentence structure. Students will be given strategies and practice opportunities to enhance their mastery of the writing process, as is needed for English composition as well as academic essays. The proper use of punctuation, capitalization and the use of assistive technology will be highlighted. 2 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

LRNS 119A LEARNING SKILLS— BASIC MATHEMATICS 2 UNITS

Assists students with learning related disabilities in the remediation of gaps in their mastery of basic arithmetic algorithms. There will be a review of whole number basic operations with an emphasis on number sense, calculations and solving word problems. Issues with math anxiety with also be addressed. 2 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

LRNS 119B LEARNING SKILLS— PRE-ALGEBRA CONCEPTS 2 UNITS

Assists students with learning/reviewing pre-algebra concepts in preparation for success in mainstream algebra classes. This includes gaining confidence with integers, variables, setting up and solving basic linear and proportional equations and using logic to set-up equations for word problems. Also covered is the use of geometric formulae to find the area, perimeter and volume of shapes for practical application and the use of order of operations to simplify arithmetic and algebraic expressions. 2 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

LRNS 119C SUCCESS IN ALGEBRA 2 UNITS

Assists students with learning-related disabilities with developing the

critical thinking and math reasoning skills necessary to succeed in higher level math courses at the college level. Issues with math anxiety will be discussed. Emphasis will be on developing math study strategies as well as direct instruction to support students in pre-algebra and elementary algebra courses. 2 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP
LRNS 120 COMPUTER ACCESS 1 UNIT

This course offers specialized computer instruction for students with disabilities. There will be an emphasis on individual learning styles, keyboarding skills, and software mastery. Strongly Recommended: Learning Skills 116. 1 hour lecture, 1 hour laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

LIBERAL ARTS AND SCIENCES

About the Program

The Associate in Arts in Liberal Arts & Sciences is designed for students who wish to have a broad knowledge of liberal arts and sciences plus additional coursework in one of the following areas of emphasis: Business, Computer Science, Art and Humanities, Language Arts and Communication, Mathematics and Science, and Social and Behavioral Sciences. The curriculum in liberal arts allows students to develop an appreciation of the beauty and values that have shaped and enriched our culture.

The graduate of the AA program in liberal arts will:

- Complete Las Positas College AA degree General Education, Graduation and Proficiency Requirements
- Complete a total of 60 associate degree applicable units
- Complete 18 units in one "Area of Emphasis" from those listed below

Degrees/Certificates

Degree:

- AA – Liberal Arts & Sciences: Arts and Humanities
- AA – Liberal Arts & Sciences: Business
- AA – Liberal Arts & Sciences: Computer Science
- AA – Liberal Arts & Sciences: Language Arts and Communication
- AA – Liberal Arts & Sciences: Mathematics and Science
- AA – Liberal Arts & Sciences: Social and Behavioral Science

AA - Liberal Arts & Sciences: Arts and Humanities

About the Degree

The Liberal Arts & Sciences: Arts and Humanities AA courses emphasize the study of cultural, literary, humanistic activities and artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students will also learn to value aesthetic

understanding and incorporate these concepts when constructing value judgments.

Program Outcomes

- Upon completion of the AA in Liberal Arts & Sciences: Arts and Humanities, the student will be able to apply art theory to specific works of art.
- Upon completion of the AA in Liberal Arts & Sciences: Arts and Humanities, the student will be able to critically analyze important texts and ideas within the global intellectual tradition.

Minimum 18 units required with a minimum of 6 units from the Arts, 6 units from Humanities, and General Education and Electives for a total of 60 units.

Arts

ARHS 1 (Introduction To Art).....	3
ARHS 4 (Art History - Ancient)	3
ARHS 5 (Art History-Renaissance Mdrn)	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 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
MUS 1 (Introduction to Music).....	3
MUS 4 (Jazz in American Culture)	3
MUS 5 (American Cultures in Music).....	3
MUS 6 (Basic Music Skills).....	2
MUS 8A (Harmony and Musicianship I)	4
MUS 8B (Harmony & Musicianship II)	4
MUS 10A (Chromatic Harmony/Musicianship)	4
MUS 10B (Post Romantic/20th Cen Harmony)	4
MUS 12 (Wind Ensemble)	1
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 21A (Beginning Piano)	1
MUS 21B (Beginning Piano: Intermediate)	1
MUS 23A (Elementary Voice I)	1
MUS 23B (Elementary Voice II)	1

MUS 25 (Teaching Beginning Piano).....	2	GDDM 55 (Web Design I).....	3
MUS 26 (Methods/Materials/Piano Teachers).....	2	GDDM 56 (Introduction to Graphic Design).....	3
MUS 27 (Teaching Intermediate Piano).....	2	GDDM 57 (Branding and Identity Design).....	3
MUS 28 (Keyboard Skills).....	1	GDDM 58 (Photoshop II).....	3
MUS 31 (Study of Piano).....	1	GDDM 59 (Illustrator II).....	3
MUS 33 (Study of Voice).....	1	GDDM 60 (Creative Portfolio Development & Self Promotion).....	3
MUS 34 (Music in Film).....	3	GDDM 62 (Web Design II).....	3
MUS 35 (Intro to Music Technology).....	3	GDDM 63 (Website/Multimedia Production).....	3
MUS 37 (Music Industry Career Development).....	3	GDDM 64 (InDesign I).....	3
MUS 38 (Applied Lessons).....	1	GDDM 65 (Elect Prepress/Print Prod).....	3
MUS 39 (Musical Theater Workshop).....	2	GDDM 70 (Photoshop and Lightroom for Photographers).....	3
MUS 44 (Concert Choir).....	1	PHTO 50 (Introduction to Photography).....	3
MUS 45 (Chamber Choir).....	1	PHTO 51A (Individual Projects A).....	1.5
MUS 46A (Beginning Jazz Choir).....	1	PHTO 56 (Introduction to Digital Photography).....	1.5
MUS 46B (Advanced Jazz Choir).....	1	PHTO 57 (Intermediate Digital Photography).....	1.5
THEA 1A (Theory/Practice of Acting I).....	3	PHTO 58 (Introduction to Videography).....	3
THEA 1B (Theory/Practice of Acting II).....	3	PHTO 60 (Intermediate Black and White Photography).....	3
THEA 3A (Beginning Improvisation).....	3	PHTO 64A (Artificial Light Photography).....	3
THEA 3B (Intermediate Improvisation).....	3	PHTO 66 (Digital Imaging).....	3
THEA 4 (American Cultures in Theater).....	3	PHTO 67 (History of Photography).....	3
THEA 5 (Theater for Young Audiences).....	3	PHTO 68 (Color Field Photography).....	3
THEA 10 (Introduction to Dramatic Arts).....	3	PHTO 69 (Intermediate Videography).....	3
THEA 11 (Stage to Screen).....	3	PHTO 70 (Photoshop and Lightroom for Photographers).....	3
THEA 12 (Film As Art & Communication).....	4	PHTO 72 (Introduction to Photojournalism).....	3
THEA 14 (Bay Area Theatre).....	3	WLDT 71 (Welding for the Arts).....	3
THEA 25 (Fundamentals of Stage Speech).....	3		
THEA 31A (Drama Workshop - Beginning).....	3	Humanities	
THEA 31B (Drama Workshop - Intermediate).....	3	HUMN 3 (FLM-Drama-Mus-Vis Art-Lyr Poet).....	3
THEA 31C (Drama Workshop - Advanced).....	3	HUMN 4 (Global Cinemas).....	4
THEA 31D (Drama Workshop - Directing).....	3	HUMN 6 (Nature and Culture).....	3
THEA 39B (Musical Theater Workshop - Intermediate).....	4	HUMN 7 (Contemporary Humanities).....	3
THEA 39C (Musical Theater Workshop - Advanced).....	4	HUMN 10 (The American Style).....	3
THEA 41B (Advanced Passport to Theater).....	3	HUMN 28 (The Classic Myths).....	3
THEA 47A (Performance in Production: Introduction to Live Performance).....	3	HUMN 44 (Narrative Film and Film Music).....	3
THEA 47B (Performance in Production: Beginning).....	3	HIST 1 (Western Civilization to 1600).....	3
THEA 47C (Performance in Production: Intermediate).....	3	HIST 2 (Western Civilization Since 1600).....	3
THEA 47D (Performance in Production: Advanced).....	3	HIST 7 (US History Through Reconstruct).....	3
THEA 48A (Technical Theater in Production - Beginning).....	3	HIST 8 (US History Post-Reconstruction).....	3
THEA 48B (Technical Theater in Production - Intermediate).....	3	HIST 14 (History and American Cultures of California).....	3
THEA 48C (Technical Theater in Production - Advanced).....	3	LIBR 1 (Library Skills).....	1
THEA 48D (Technical Theater in Production-Management).....	3	LIBR 4 (College Research Techniques).....	0.5
THEA 50 (Stagecraft).....	3	LIBR 5 (College Research and Databases).....	0.5
THEA 50L (Introduction to Stage Lighting).....	3	LIBR 6 (Research in Special Subjects).....	0.5
THEA 51 (Introduction to Costume Design).....	3	LIBR 7 (The Open Web and Search Engines).....	0.5
THEA 52 (Introduction to Design).....	3	LIBR 8 (Research and Information Literacy).....	2
THEA 53 (Script Analysis).....	3	PHIL 1 (God, Nature, Human Nature).....	3
GDDM 67 (InDesign II).....	3	PHIL 1H (Honors Philosophy 1: God, Nature, Human Nature).....	3
GDDM 68 (Creative Portfolio Preparation).....	3	PHIL 2 (Ethics).....	3
GDDM 2 (Wordpress and Content Management Systems).....	3	PHIL 2H (Honors Philosophy 2: Ethics).....	3
GDDM 3 (The History of Modern Design).....	3	PHIL 3 (Aesthetics).....	3
GDDM 4 (User Interface and User Experience Design).....	3	PHIL 4 (Intro to Philosophy: Knowledge).....	3
GDDM 40 (Design Shop: The Business of Design).....	3	PHIL 5 (Feminist Philosophy).....	3
GDDM 45A (Digital Painting I).....	3	PHIL 6 (Introduction to Logic).....	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		

PHIL 8 (Logic and Argumentation)	4
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 1A (Beginning Spanish)	5
SPAN 1B (Elementary Spanish)	5
SPAN 2A (Intermediate Spanish I)	4
SPAN 2B (Intermediate Spanish II)	4
ITLN 1A (Beginning Italian)	5
ITLN 1B (Elementary Italian)	5
Total Units for the Major	18-21
Total Units Required	60

AA - Liberal Arts & Sciences: Business

About the Degree

The Liberal Arts & 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.

Minimum 18 units from the courses below with a minimum of 3 units from two disciplines, and General Education and Electives, for a total of 60 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 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

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major	18
Total Units Required	60

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.

Minimum 18 units from the courses below with a minimum of 3 units from each discipline, plus General Education and Electives, for a total of 60 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 Application)	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
CS 1 (Computing Fundamentals I)	4

CS 2 (Computing Fundamentals II).....	4
CS 7 (Introduction to Computer Programming Concepts)	3
CS 20 (Adv Prog w/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 47 (Capstone Project)	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 (Installing & Configuring Windows Server MCSA I)	3
CNT 56 (Administering Windows Server MCSA II)	3
CNT 57 (MS Server Advanced Services MCSA III)	3
CNT 67 (WIFI Cisco & CWNA).....	3
CNT 68 (Digital Forensics Fundamentals).....	3
CNT 69 (Network Security Sec+)	3
CNT 72 (Cisco Bootcamp Certification Prep)	2
CNT 7285 (Cloud Infrastructure and Services).....	3
CNT 7401 (Intro to Linux/LPI Linux+ Certification).....	3
CNT 7501 (Ethical Hacking)	3
CNT 7701 (Virtualization: VMware, Hyper-V, Citrix)	2
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

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major	18-20
Total Units Required.....	60

AA - Liberal Arts & Sciences: Language Arts and Communication

About the Degree

The Liberal Arts & 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.

Minimum 18 units required with a minimum of 3 units from at least 2 disciplines listed below, and General Education and Electives, for a total of 60 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 (Intro 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).....	3
ENG 19B (Literary Magazine B).....	1.5 - 2
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
ESL 23 (College 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).....	3
MSCM 17 (Express Editorial Board).....	1
MSCM 19A (Las Positas Literary Anthology A)	3
MSCM 19B (Literary Magazine B)	1.5 - 2
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)	2
MSCM 34B (Naked Magazine: College Magazine B).....	3

MSCM 35 (Multimedia Reporting).....	3
MSCM 72 (Introduction to Photojournalism).....	3
Total Units for the Major.....	18-19
Total Units Required.....	60

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.

Minimum 18 units from the courses below with a minimum of 6 units from Science, 3 units from Mathematics, and General Education and Electives for a total of 60 units.

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.

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/Physical Anthropology).....	3
ANTR 1L (Biological/Physical Anthropology Lab).....	1

ANTR 13 (Intro 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 (Intro 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 15 (Introduction to GIS).....	3
GEOL 1 (Physical Geology).....	3
GEOL 1L (Physical Geology Laboratory).....	1
GEOL 3 (Historical Geology).....	3
GEOL 3L (Historical Geology Laboratory).....	1
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

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major.....	18-20
Total Units Required.....	60

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.

Minimum 18 units from the courses below with a minimum of 3 units from three different disciplines and General Education and Electives for a total of 60 units.

AJ 50 (Intro to Admin of Justice)	3	ENG 44 (Literature of the American West)	3
AJ 54 (Investigative Reporting)	3	GEOG 2 (Cultural Geography)	3
AJ 55 (Intro to Correctional Science)	3	GEOG 5 (World Regional Geography)	3
AJ 56 (Fundamentals of Crime and Delinquency)	3	GEOG 12 (Geography of California)	3
AJ 59 (Child Abuse in the Community)	3	HIST 1 (Western Civilization to 1600)	3
AJ 60 (Criminal Law)	3	HIST 2 (Western Civilization Since 1600)	3
AJ 61 (Evidence)	3	HIST 7 (US History Through Reconstruct)	3
AJ 63 (Criminal Investigation)	3	HIST 8 (US History Post-Reconstruction)	3
AJ 66 (Juvenile Procedures)	3	HIST 14 (History and American Cultures of California)	3
AJ 70 (Community Relations)	3	HIST 25 (American Indian History)	3
AJ 71 (Narcotics & Drug Enforcement)	3	HIST 28 (History of American West)	3
AJ 74 (Gangs and Drugs)	3	HIST 32 (U.S. Women's History)	3
AJ 89 (Family Violence)	3	HLTH 1 (Introduction to Personal Health)	3
AJ 9997 (Law Enforcement Academy)	29	HLTH 3 (Women's Health)	3
ANTR 1 (Biological/Physical Anthropology)	3	HLTH 7 (Introduction to Public Health)	3
ANTR 1L (Biological/Physical Anthropology Lab)	1	HLTH 11 (Health and Social Justice)	3
ANTR 2 (Introduction to Archaeology)	3	MSCM 5 (Introduction to Mass Communications)	3
ANTR 3 (Social/Cultural Anthropology)	3	MSCM 31 (Introduction to Media)	3
ANTR 4 (Language and Culture)	3	POLI 7 (Introduction to American Government)	4
ANTR 5 (Cultures of the U.S. in Global Perspective)	3	POLI 12 (Introduction to California State and Local Government) ...	3
ANTR 12 (Magic/Religion/Witchcraft/Healing)	3	POLI 20 (Comparative Government)	3
ANTR 13 (Intro to Forensic Anthropology)	3	POLI 25 (Introduction to Political Theory)	3
ECE 15 (Abnormal Child Psychology)	3	POLI 30 (International Relations)	3
ECE 40 (Social and Emotional Foundations for Early Learning)	3	PCN 3 (Theories And Concepts Of Counseling: An Introduction) ...	3
ECE 54 (Child Health, Safety and Nutrition)	3	PCN 5 (Introduction to Human Services)	3
ECE 56 (Child Growth and Development)	3	PCN 6 (Introduction to Case Management for Human Services)	3
ECE 60 (Introduction to the Young Child With Exceptional Needs) .	3	PCN 8 (Theories and Concepts of Group Process)	3
ECE 61 (Literature for the Young Child)	3	PCN 13 (Multicultural Issues in Contemporary America)	3
ECE 62 (Child, Family and Community)	3	PSYC 1 (General Psychology)	3
ECE 74 (Child Guidance)	2	PSYC 3 (Introduction to Social Psychology)	3
ECE 79 (Teaching in a Diverse Society)	3	PSYC 4 (Brain, Mind, and Behavior)	3
ECON 1 (Principles of Microeconomics)	3	PSYC 6 (Abnormal Psychology)	3
ECON 2 (Principles of Macroeconomics)	3	PSYC 10 (Psychology of Human Sexuality)	3
ECON 5 (Economic History of the United States)	3	PSYC 12 (Life-Span Psychology)	3
ECON 10 (General Economics)	3	PSYC 15 (Abnormal Child Psychology)	3
ENG 32 (U.S. Women's Literature)	3	PSYC 17 (The Psychology of Sleep and Dreams)	3
		PSYC 21 (Introduction to Cross-Cultural Psychology)	3
		PSYC 25 (Research Methods)	4
		SOC 1 (Principles of Sociology)	3
		SOC 3 (Cultural and Racial Minorities)	3
		SOC 4 (Marriage and Family Relations)	3
		SOC 5 (Global Change)	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 for the Major	18-37
		Total Units Required	60

LIBRARY STUDIES

About the Courses

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. 1 hour lecture. Transfer: CSU, UC*. * LIBR 1, 4, 5, 7, and 8 combined: max UC credit, one course.

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. .5 hours lecture. Transfer: CSU, UC*. * LIBR 1, 4, 5, 7, and 8 combined: max 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. .5 hours lecture. Transfer: CSU, UC*. * LIBR 1, 4, 5, 7, and 8 combined: max 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. .5 hours lecture. Transfer: CSU, UC*. * LIBR 1, 4, 5, 7, and 8 combined: max 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 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. .5 hours lecture. Transfer: CSU, UC*. * LIBR 1, 4, 5, 7, and 8 combined: max 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. 2 hours lecture. Transfer: CSU, UC*. *LIBR 1, 4, 5, 7, & 8 combined, max UC credit, one course.

Degree Applicable, Credit Grading Option: OP

LIBR 29 INDEPENDENT STUDY, LIBRARY STUDIES .5-2 UNITS

For course information, see "Independent Studies"

MARKETING

About the Program

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 provides 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.

Degrees/Certificates

Degree:

- AA – Marketing

Certificate of Achievement:

- Retailing

AA – Marketing

About the Degree

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. The ability of every organization to survive is directly affected by marketing. Entry-level jobs exist in manufacturing, service firms, wholesalers, retailers, advertising agencies, consulting firms and private and public non-profit organizations. While units in the program are transferable to many institutions, this program is designed to prepare students to enter the work force. Students should consult a counselor for information.

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.

Freshman Year

BUSN 48 (Human Relations in Organizations) or BUSN 52 (Business Communications) or BUSN 53 (Business Correspondence)	3
BUSN 55 (Business Mathematics).....	3
BUSN 40 (Introduction to Business)	3
BUSN 51 (General Accounting I) or BUSN 1A (Financial Accounting)	3-4
MKTG 50 (Introduction to Marketing)	3
ECON 10 (General Economics) or ECON 2 (Principles of Macroeconomics).....	3

Recommended Electives*
 General Education Courses

Sophomore Year

MKTG 61 (Professional Selling)	3
BUSN 18 (Business Law)	4
CIS 50 (Intro to Computing Info Tech)	3
MKTG 64 (Introduction to Advertising) or MKTG 56 (Retail Strategies)	3
BUSN 95 (Work Experience) and BUSN 96 (Work Experience Seminar) or BUSN 56 (Introduction to Management)	3-4

Recommended Electives*

General Education Courses

Total Units Required.....60

*Recommended Electives

BUSN 30 (Business Ethics and Society)
BUSN 56 (Introduction to Management)
MKTG 60 (Retail Store Management)

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

MKTG 50 (Introduction to Marketing).....	3
MKTG 56 (Retail Strategies).....	3
MKTG 61 (Professional Selling)	3
MKTG 64 (Introduction to Advertising)	3
BUSN 48 (Human Relations in Organizations)	3
CIS 55 (Integrating Office Application)	4

BUSN 52 (Business Communications) or CMST 1 (Fundamentals of Public Speaking).....	3
WRKX 94 (Occupational Work Experience/Internship) or WRKX 95 (General Work Experience)	3 - 6

Total Units Required..... 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. 3 hours lecture. Transfer: CSU; CSU GE: D.

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. 3 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. 3 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. 3 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. 3 hours lecture. Transfer: CSU.

Degree Applicable, Credit

Grading Option: OP

MASS COMMUNICATIONS

About the Program

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.

Degrees/Certificates

Degree:

- AA-T – Journalism
- AA – Mass Communications

Certificate of Achievement:

- Mass Communications: Journalism

Career Certificate:

- 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.

Transferability

The courses in this program fulfill some of the 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 refers to the catalog of the prospective transfer institution and consults with a counselor.

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

MSCM 5 (Introduction to Mass Communications)	3
MSCM 1 (Introduction to Reporting and Newswriting)	3
MSCM 16A (Express College Newspaper A)	3

List A: Select One

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

MATH 40 (Statistics and Probability)	4
ECON 1 (Principles of Microeconomics) or ECON 2 (Principles of Macroeconomics)	3

ENG 7 (Argumentation Writing and Critical Thinking)	3
PHIL 6 (Introduction to Logic)	3
ENG 1A (Critical Reading and Composition)	3
PHIL 2 (Ethics)	3
SOC 1 (Principles of Sociology)	3
MSCM 31 (Introduction to Media)	3

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major 18-19

Total Units Required.....60

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.

Freshman Year

ENG 1A (Critical Reading and Composition)	3
MSCM 1 (Introduction to Reporting and Newswriting)	3
MSCM 5 (Introduction to Mass Communications)	3
MSCM 2 (Journalism: Investigative News) or MSCM 3 (Magazine and Feature Writing)	3
MSCM 31 (Introduction to Media)	3
PHIL 2 (Ethics)	3
Restricted/Recommended Electives*	3
General Education Courses	0-9

Sophomore Year

MSCM 72 (Introduction To Photojournalism) or PHTO 72 (Introduction To Photojournalism)	3
MSCM 35 (Multimedia Reporting)	3
MSCM 7 (Introduction to Public Relations)	3
Restricted/Recommended Electives*	

General Education Courses

Total Units Required.....60

*Restricted/Recommended electives

Select from the courses below for a minimum of 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

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

ENG 1A (Critical Reading and Composition).....	3
MSCM 1 (Introduction to Reporting and Newswriting).....	3
MSCM 5 (Introduction to Mass Communications) or MSCM 31 (Introduction to Media).....	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

Electives: Total of 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
Total Units Required.....	33

Career Certificate Mass Communications: Radio Communications §

About the Certificate

The Career Certificate 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 Career Certificate 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 Career Certificate 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.

Freshman Year

MSCM 32A (Introduction to Radio Production).....	3
Select one course from the following for 3 units:	
MSCM 5 (Introduction to Mass Communications).....	3
MSCM 31 (Introduction to Media).....	3
Select one course from the following for 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

Second Semester

MSCM 32B (Intermediate Radio Production).....	3
Select one course from the following for 3 units:	
MSCM 1 (Introduction to Reporting and Newswriting).....	3
MSCM 7 (Introduction to Public Relations).....	3

Total Units Required.....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. 3 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. 3 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. 3 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC*; CSU GE: D; IGETC: 4; C-ID#JOUR 100. *MSCM 5 and 31 combined: max 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. 3 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. 3 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. 1 hour lecture, 6 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. 1 hour lecture, 6 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. 1 hour lecture, 6 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MSCM 16D EXPRESS COLLEGE NEWSPAPER 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 16B with a minimum grade of C. 1 hour lecture, 6 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. 1 hour lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

MSCM 19A LAS POSITAS LITERARY ANTHOLOGY A 3 UNITS

Creation of a literary-style student magazine. Practical training in the

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. 1 hour lecture, 6 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 Final Cut Pro. 1 hour lecture, 6 hours laboratory. Transfer; CSU, UC*; C-ID#JOUR 120 *MSCM 35, MSCM 72, PHTO 72 combined: maximum 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. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU, UC*; C-ID#JOUR 160. *MSCM 35, MSCM 72, PHTO 72 combined: maximum credit, one course.

Degree Applicable, Credit Grading Option: OP

MATHEMATICS

About the Program

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.

Degrees/Certificates

Degree:

- AS-T – Mathematics

Career Opportunities

The Associate in 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.

Transferability

The Mathematics Department offers the full range of mathematics courses typical of the lower division requirements for a mathematics, computer science, engineering, or science major at a four-year institution, as well as transferable courses which satisfy the IGETC and CSU GE Breadth requirements. The major requirements for the Associate in Science Degree in Mathematics for Transfer 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.

Mathematics Modes

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 <http://lpcazure.laspositacollege.edu/math/>

Math Emporium

The Math Emporium consists of courses offered in an independent study/self-accelerated mode. These courses work well for students with the following characteristics:

1. I am a self-motivated, dedicated, and organized student.
2. I need a quick brush up on my algebra skills.
3. 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:

- 107 – Pre-Algebra
- 110 - Elementary Algebra
- 55 – Intermediate Algebra
- 72A, 72B, 72C, 72D - Technical Elementary Algebra
- 52A, 52B - Technical Intermediate Algebra for Automotive Technology
- 53A, 53B - Technical Intermediate Algebra for Welding

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).

AS-T – Mathematics

About the Degree

The Las Positas College Mathematics program offers courses that lead to an Associate in Science in Mathematics for Transfer degree. The major requirements for the Associate in 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

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 Associate in 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. They 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:

MATH 1 (Calculus I).....	5
MATH 2 (Calculus II)	5
MATH 3 (Multivariable Calculus)	5

List A: Select One

MATH 5 (Ordinary Differential Equations).....	3.5
MATH 7 (Elementary Linear Algebra)	3.5

LIST B: Select One

Any LIST A course not already used	
PHYS 1A (General Physics I)	5
CS 1 (Computing Fundamentals I)	4
MATH 40 (Statistics and Probability)	4

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major	22-23.5
Total Units Required.....	60

Mathematics Courses (MATH)

MATH 1	CALCULUS I	5 UNITS
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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 and MATH 39 with a minimum grade of C or MATH 38 with a minimum grade of C. 5 hours lecture. AA/AS GE. Transfer: CSU, UC*; CSU GE: B4; IGETC: 2A; C-ID#MATH 211, MATH 900 (if taken with MATH 2). * MATH 1, 33, 34 combined: max 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. 5 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B4; IGETC: 2A; C-ID#MATH 221, MATH 900 (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. 5 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 EQUATION 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. 3 hours lecture, 1.5 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. 3 hours lecture, 1.5 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). 4 hours lecture, 1 hour 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, MATHEMATICS .5-2 UNITS**
For course information, see "Independent Studies"
- 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. 4 units lecture, 1 hour laboratory. AA/AS GE. Transfer: CSU, UC; 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 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. 4 units lecture, 1 hour laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B4; IGETC: 2A; C-ID#MATH 130. *MATH 1, 33, and 34 combined: max UC credit, one course.
Degree Applicable, Credit Grading Option: GR
- MATH 34 CALCULUS FOR BUSINESS AND SOCIAL SCIENCES 5 UNITS**
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. 5 hours lecture, 1 hour laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B4; IGETC: 2A; C-ID#MATH 140. * MATH 1, 33, 34 combined: max 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 55 with a minimum grade of C or MATH 55B with a minimum grade of C. 4 hours lecture, 1 hour 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 55B with a minimum grade of C or MATH 55 with a minimum grade of C or MATH 50 with a minimum grade of C. 4 hours lecture, 1 hour 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 ARTS 3 UNITS

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, probability & statistics, logic, exponential growth, and graph theory. 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. 3 hours lecture, 1 hour laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: B4; IGETC: 2A.

Degree Applicable, Credit Grading Option: GR

MATH 50 CORE INTERMEDIATE ALGEBRA 4 UNITS

Core concepts of intermediate algebra are explored within 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) and, one-to-one and invertible functions. Types of functions considered: linear, absolute value, 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. Prerequisite: MATH 110 with a minimum grade of C or MATH 110B with a minimum grade of C. 3 hours lecture, 3 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. 2 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. 1.5 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. 1.5 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. 2 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. 1 hour lecture. AA/AS GE.

Degree Applicable, Credit Grading Option: OP

MATH 55 INTERMEDIATE ALGEBRA FOR STEM 5 UNITS

Intermediate Algebra concepts, in the service of Science, Technology, Engineering and Math (STEM) and Business 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 55B has been completed. Prerequisite: MATH 110 with a minimum grade of C or MATH 110B with a minimum grade of C. 5 hours lecture, 1 hour laboratory. 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. 2.5 hours lecture, 1 hour 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. 2.5 hours lecture, 1 hour laboratory. AA/AS GE.

Degree Applicable, Credit Grading Option: OP

MATH 55C INTERMEDIATE ALGEBRA COREQUISITE SUPPORT 2 UNITS

This course is a co-requisite for Intermediate Algebra. The course is designed to provide additional support to students who are currently taking an Intermediate Algebra course, such as students who would like formal, built-in support, students who have not placed into Math 55 but hope to accelerate through the sequence of basic skill math courses, or those who are repeating the course. This course will support students in achieving Intermediate Algebra learning goals by providing a review of arithmetic, algebraic and geometric concepts that are relevant to their Intermediate Algebra course, by providing 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 55. 2 hours lecture.

Degree Applicable, Credit Grading Option: P/NP

MATH 55E INTERMEDIATE ALGEBRA A COREQUISITE SUPPORT 2.5 UNITS

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. 2.5 hours lecture.

Degree Applicable, Credit Grading Option: P/NP

MATH 55F INTERMEDIATE ALGEBRA B COREQUISITE SUPPORT 2.5 UNITS

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.

Degree Applicable, Credit Grading Option: P/NP

MATH 71A APPLIED MATHEMATICS FOR TECHNICIANS A 1.5 UNITS

This course provides a survey of mathematical techniques used in the technical trades including: Arithmetic, both by-hand and with calculator; ratios, rates and proportions; metric and U.S. systems of measurement. There is an emphasis on practical applications related to a variety of technical fields throughout. 1.5 hours lecture.

Degree Applicable, Credit Grading Option: OP

MATH 71B APPLIED MATHEMATICS FOR TECHNICIANS B 1.5 UNITS

This course provides a survey of mathematical techniques used in the technical trades including: an introduction to linear equations; scientific notation; plane and solid geometry; and, triangle trigonometry. There is an emphasis on practical applications related to a variety of technical fields throughout. May not receive credit if Mathematics 71Y or INDT 74 has been completed. Prerequisite: MATH 71A with a minimum grade of C. 1.5 hours lecture.

Degree Applicable, Credit Grading Option: OP

MATH 72A TECHNICAL ELEMENTARY ALGEBRA A 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: 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. 1 hour lecture.

Degree Applicable, Credit Grading Option: OP

MATH 72B TECHNICAL ELEMENTARY ALGEBRA B 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: 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. 1 hour lecture.

Degree Applicable, Credit Grading Option: OP

MATH 72C TECHNICAL ELEMENTARY ALGEBRA C 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: 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. 1 hour 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. 1 hour lecture.

Degree Applicable, Credit Grading Option: OP

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. 3 hours lecture, 3 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. 1.5 hours lecture, 1.5 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 107E. 1.5 hours lecture, 1.5 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. 2 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. 2 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. May not receive credit if Mathematics 65B has been completed. Prerequisite: MATH 107 with a minimum grade of C or MATH 107B with a minimum grade of C. 4 hours lecture, 1 hour laboratory.

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. 2 hours lecture, 1 hour 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 110E. 2 hours lecture, 1 hour laboratory.

Non-Degree Applicable, Credit Grading Option: OP

MATH 110C ELEMENTARY ALGEBRA COREQUISITE SUPPORT 2 UNITS

This course is a corequisite for Elementary Algebra. The course is designed to provide additional support to students who are currently taking an Elementary Algebra course, such as students who would like formal, built-in support, students who have not placed into Math 110 but hope to accelerate through the sequence of basic skill math courses, or those who are repeating the course. This course will support students in achieving Elementary Algebra learning goals by providing a review of arithmetic, algebraic and geometric concepts that are relevant to their Elementary Algebra course, by providing 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 110. 2 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

MATH 110E ELEMENTARY ALGEBRA A COREQUISITE SUPPORT 2 UNITS

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. 2 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

MATH 110F ELEMENTARY ALGEBRA B COREQUISITE SUPPORT 2 UNITS

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. 2 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

MUSIC

About the Program

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.

Degrees/Certificates

Degree:

- AA-T - Music
- AA – Music

Certificate of Achievement:

- Commercial Music: Teaching Beginning Piano
- Commercial Music: Teaching Intermediate Piano
- Commercial Music: Music Business

Career Certificate:

- Commercial Music: Music Technology Fundamentals

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.

Transferability

The Music AA and AA-T degrees include the lower-division degree requirements typical of four-year institutions, however students should be aware that auditions are generally required for acceptance into four-year music programs. These auditions generally include music theory, piano and performance placement exams. While units in this program are transferable to many institutions, students should consult faculty and counselors for transfer information. General education requirements should be selected carefully based on the intended transfer institution.

AA-T Music

About the Program

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 major 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.

Career Opportunities

Performing and teaching are the two most common careers in music, but those alone don't begin to cover what music majors/minors can pursue once they graduate. Many musicians typically combine performance with non-performance work to experience fulfilling careers.

A music education prepares students for careers as performers, teachers, composers, historians, arts administrators, and more. Career options include: conductor, arranger, film composer, music business/manager, music editor, music supervisor/ director, songwriter, transcriber, editor (print music publishing), choir director, recording engineer, studio director or manager, sound designer, music therapist, instrumental soloist, sound technician, and tour coordinator. Many careers require more than two years of study.

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

MUS 8A (Harmony and Musicianship I)	4
MUS 8B (Harmony & Musicianship II)	4
MUS 10A (Chromatic Harmony/Musicianship)	4
MUS 10B (Post Romantic/20th Cen Harmony)	4

Applied Music (Must take four semesters)

MUS 38 (Applied Lessons).....	4
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Large Ensemble (Select four)

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

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major	24
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Total Units Required.....	60
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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

MUS 8A (Harmony and Musicianship I)	4
MUS 8B (Harmony & Musicianship II)	4
MUS 21A (Beginning Piano)	1
MUS 21B (Beginning Piano: Intermediate)	1
MUS 10A (Chromatic Harmony/Musicianship)	4
MUS 10B (Post Romantic/20th Cen Harmony)	4
MUS 38 * (Applied Lessons)	4

List A: Music Electives

Select courses from the following for a total of 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 - 5

List B: Performance Electives

Select courses from the following for a total of 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

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major30

Total Units Required.....60

*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 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

MUS 8A (Harmony and Musicianship I)	4
MUS 8B (Harmony & Musicianship II)	4
MUS 18A (Jazz/Pop Piano 1)	1
MUS 25 (Teaching Beginning Piano)	2
MUS 38 (Applied Lessons)	2

List A: Select Two

BUSN 58 (Small Business Management)	3
MKTG 61 (Professional Selling)	3
MUS 26 (Methods/Materials/Piano Teachers)	2

Total Units Required..... 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 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 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

MUS 10A (Chromatic Harmony/Musicianship)	4
MUS 10B (Post Romantic/20th Cen Harmony)	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

BUSN 58 (Small Business Management)	3
MUS 1 (Introduction to Music)	3
MKTG 61 (Professional Selling)	3

Total Units Required.....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 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 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 in Commercial Music: Music Business, students will be able to develop strategies to solve challenges of self employment in the music industry.

Required Core

BUSN 58 (Small Business Management)	3
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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

MUS 1 (Introduction to Music)	3
MUS 19 (Studies in Music Composition)	3
MUS 35 (Intro to Music Technology)	3

Total Units Required.....21

Career Certificate

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, film composer, producer, sound technician, foley artist, live sound engineer, mastering engineer, recording mixer, music editor, sound designer, DJ/remixer.

Program Outcomes

- Upon completion of the Career Certificate in Commercial Music: Music Technology fundamentals, students will be able to engineer, mix, and notate music using industry- standard software and equipment.

Required Core

MUS 6 (Basic Music Skills)	2
MUS 21A (Beginning Piano)	1
MUS 35 (Intro to Music Technology)	3
MUS 36 (Intermediate Music Technology)	3

Electives: Select One

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 Required.....10

§ 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.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

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. 3 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. 3 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. 3 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. 2 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; C-ID#MUS 110.

Degree Applicable, Credit Grading Option: OP

MUS 8A HARMONY AND MUSICIANSHIP I 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, MUS 21A. 3.5 hours lecture, 1.5 hours laboratory. Transfer: CSU, UC; CSU GE: C1; IGETC 3A; C-ID#MUS 120.

Degree Applicable, Credit Grading Option: OP

MUS 8B HARMONY & MUSICIANSHIP II 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. 3 hours lecture, 3 hours laboratory. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A; C-ID#MUS 130.

Degree Applicable, Credit Grading Option: OP

MUS 10A CHROMATIC HARMONY/ MUSICIANSHIP 4 UNITS

This course incorporates the concepts from the Mus 8 series. In addition, through writing and analysis, 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. 3 hours lecture, 3 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID#MUS 145.

Degree Applicable, Credit Grading Option: OP

MUS 10B POST ROMANTIC/20TH CEN HARMONY 4 UNITS

This course incorporates the concepts from Music 10A. In addition, through writing and analysis, 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. 3 hours lecture, 3 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID#MUS 150.

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. 3 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID#MUS 180.

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. 3 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. 3 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID#MUS 180.

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. 3 hours laboratory. Transfer: CSU, UC; C-ID#MUS 180.

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. 3 hours laboratory. Transfer: CSU, UC; C-ID#MUS 180.

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. 3 hours laboratory. Transfer: CSU, UC; C-ID#MUS 180.

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. 3 hour laboratory. Transfer: CSU, UC; C-ID#MUS 180.

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. 3 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. 3 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. 3 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. 3 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. 3 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. 3 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. 3 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. 3 hours laboratory. Transfer: CSU, UC.

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. 3 hours laboratory. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

<p>MUS 23B ELEMENTARY VOICE II 1 UNIT</p> <p>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. 3 hours laboratory. Transfer: CSU, UC.</p> <p>Degree Applicable, Credit Grading Option: OP</p>	<p>MUS 33 STUDY OF VOICE 1 UNIT</p> <p>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. AA/AS GE. Transfer: CSU, UC; C-ID#MUS 160.</p> <p>Degree Applicable, Credit Grading Option: OP</p>
<p>MUS 25 TEACHING BEGINNING PIANO 2 UNITS</p> <p>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. 2 hours lecture. Transfer: CSU.</p> <p>Degree Applicable, Credit Grading Option: OP</p>	<p>MUS 34 MUSIC IN FILM 3 UNITS</p> <p>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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1, C2; IGETC: 3A, 3B.</p> <p>Degree Applicable, Credit Grading Option: OP</p>
<p>MUS 26 METHODS/MATERIALS/PIANO TEACHERS 2 UNITS</p> <p>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. 2 hours lecture. Transfer: CSU.</p> <p>Degree Applicable, Credit Grading Option: OP</p>	<p>MUS 35 INTRO TO MUSIC TECHNOLOGY 3 UNITS</p> <p>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. 3 hours lecture. Transfer: CSU; C-ID#CMUS 100, CMUS 130.</p> <p>Degree Applicable, Credit Grading Option: OP</p>
<p>MUS 27 TEACHING INTERMEDIATE PIANO 2 UNITS</p> <p>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. 2 hours lecture. Transfer: CSU.</p> <p>Degree Applicable, Credit Grading Option: OP</p>	<p>MUS 36 INTERMEDIATE MUSIC TECHNOLOGY 3 UNITS</p> <p>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. 3 hours lecture. Transfer: CSU; C-ID#CMUS 110, CMUS 120.</p> <p>Degree Applicable, Credit Grading Option: OP</p>
<p>MUS 28 KEYBOARD SKILLS 1 UNIT</p> <p>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. 3 hours laboratory. Transfer: CSU, UC.</p> <p>Degree Applicable, Credit Grading Option: OP</p>	<p>MUS 37 MUSIC INDUSTRY CAREER DEVELOPMENT 3 UNITS</p> <p>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. 3 hours lecture. AA/AS GE. Transfer: CSU; C-ID#CMUS 140.</p> <p>Degree Applicable, Credit Grading Option: OP</p>
<p>MUS 29 INDEPENDENT STUDY, MUSIC .5-2 UNITS</p> <p>For course information, see "Independent Studies"</p>	<p>MUS 38 APPLIED LESSONS 1 UNIT</p> <p>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. 3 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID#MUS 160.</p> <p>Degree Applicable, Credit Grading Option: OP</p>
<p>MUS 31 STUDY OF PIANO 1 UNIT</p> <p>Development of functional piano skill. Designed for knowledge and skill of intermediate or advanced level. Prerequisite: MUS 21B with a minimum grade of C. 3 hours laboratory. Transfer: CSU, UC.</p> <p>Degree Applicable, Credit Grading Option: OP</p>	

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. 2 hours lecture. Transfer: CSU, UC.

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. 3 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID#MUS 180.

Degree Applicable, Credit Grading Option: OP

MUS 45 CHAMBER CHOIR 1 UNIT

Development of vocal and musical ability to interpret and perform the highest caliber of choral literature. Designed for singers with advanced choral ensemble experience. Strongly Recommended: MUS 44 with a minimum grade of C. 3 hours laboratory. AA/AS GE. Transfer CSU, UC; C-ID#MUS 180.

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. 3 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID#MUS 180.

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. 3 hours laboratory. AA/AS GE. Transfer: CSU, UC; C-ID#MUS 180.

Degree Applicable, Credit Grading Option: OP

MUS 47 COLLEGE PRODUCTIONS – MUSIC 1-5 UNITS

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. 3-15 laboratory hours. Transfer: CSU, UC .

Degree Applicable, Credit Grading Option: GR

NUTRITION

About the Program

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.

See also: Health, Kinesiology

Degrees/Certificates

Degree:

AS-T - Nutrition and Dietetics

AS-T - Nutrition and Dietetics

About the Program

The Associate in 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

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 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

NUTR 1 (Nutrition).....	3
PSYC 1 (General Psychology).....	3
CHEM 1A (General College Chemistry I).....	5
BIO 7C (Microbiology).....	5

List A: Select Two

CHEM 1B (General College Chemistry II).....	5
CHEM 12A (Organic Chemistry I).....	5
BIO 7A (Human Anatomy).....	5
BIO 7B (Human Physiology).....	5
MATH 40 (Statistics and Probability).....	4

List B: Select One

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

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major.....	28-31
Total Units Required.....	60

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: E; C-ID # NUTR 110.

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. 3 hours lecture. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

OCCUPATIONAL SAFETY AND HEALTH

About the Program

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.

Degrees/Certificates

Degree:

- AS – Occupational Safety and Health

Certificate of Achievement:

- Occupational Safety and Health

Career Certificate:

- 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 in Science degree and the Certificate of Achievement in Occupational Safety and Health are designed for direct job entry and/or career enhancement.

Transferability

While units in the program may be transferable to many 4 –year institutions, students should consult a counselor and their desired transfer institution for specific information.

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 in 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

- 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.
- 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

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

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

BIO 30 (Intro to College Biology)	4
BIO 40 (Humans and the Environment)	3
BIO 50 (Anatomy and Physiology)	4

Program Based GE

PSYC 1 (General Psychology)	3
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GENERAL EDUCATION AND ELECTIVES

Total Units for the Major 39-42

Total Units Required.....60

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

- 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

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 for a total of 4 to 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 Required.....	16-17

Career Certificate Occupational Safety §

About the Certificate

The Career Certificate 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 Career Certificate 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.

Required Core

OSH 50 (Intro Occupational Safety/Hlth).....	3
OSH 60 (Elements of Industrial Hygiene)	3
OSH 67 (Comp Regulatory Requirements)	3

Total Units Required.....9

§ 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.

Occupational Safety and Health Courses (OSH)

OSH 50	INTRO OCCUPATIONAL SAFETY/ HLTH	3 UNITS
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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. 3 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

OSH 60	ELEMENTS OF INDUSTRIAL HYGIENE	3 UNITS
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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. 3 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

OSH 62	PHYSICAL HAZARDS	3 UNITS
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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. 3 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

OSH 67	COMP REGULATORY REQUIREMENTS	3 UNITS
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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. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

PHILOSOPHY

About the Program

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.

See also: Humanities, Religious Studies

Degrees/Certificates

Degree:

- 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.

Transferability

All philosophy courses at Las Positas College transfer to the UC and CSU systems. The AAT Degree in Philosophy is designed to give students a strong foundation in philosophy and to prepare students to study philosophy as a 4-year major after transfer from community college.

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

PHIL 6 (Introduction to Logic)	3
PHIL 1 (God, Nature, Human Nature) or PHIL 2 (Ethics).....	3

List A: Select One

Any Required Core not already used

PHIL 4 (Intro to Philosophy: Knowledge)	3
PHIL 3 (Aesthetics).....	3
PHIL 5 (Feminist Philosophy)	3

List B: Select Two

Any List A course not already used

HIST 1 (Western Civilization to 1600)	3
HIST 2 (Western Civilization since 1600).....	3

List C: Select One

Any List A or B course not already used

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

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major18

Total Units Required.....60

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. 3 hours lecture. AA/ AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B; C-ID#PHIL 100.

Degrees/Certificates

Career Certificate:

- Photography

See also: Arts, Visual Communications

Career Certificate Photography §

Program Outcomes

- Upon completion of the Career Certificate in Photography, the student will be able to appropriately visualize and accurately construct lighting designs utilizing artificial studio lighting and natural, available light in film and digital photographs.
- Upon completion of the Career Certificate in Photography, the student will be able to appropriately visualize and produce entry level professional, commercial, and fine art photographs that represent fully developed concepts of form, medium and content.
- Upon completion of the Career Certificate in Photography, the student will be able to critique and discuss film and digital photographic images that represent fully developed concepts of form, medium and content.

PHTO 50 (Introduction to Photography)	3
PHTO 51 (Individual Projects)	1
PHTO 56 (Introduction to Digital Photography)	1.5
PHTO 60 (Black & White Materials and Processes)	3
PHTO 64A (Artificial Light Photography).....	3
Electives*.....	4
Total Units Required.....	15.5

*Electives:

Select from the following for a minimum of 4 units:

- PHTO 58 (Introduction to Videography)
- PHTO 66 (Digital Imaging)
- PHTO 67 (History of Photography) or
PHTO 68 (Color Field Photography)
- PHTO 72 (Introduction To Photojournalism)

§ *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.*

Photography Courses (PHTO)

PHTO 29P INDEPENDENT STUDY, PHOTOGRAPHY 5-2 UNITS

For course information, see “Independent Studies”

PHTO 29V INDEPENDENT STUDY, VIDEO PRODUCTION 5-2 UNITS

For course information, see “Independent Studies”

PHTO 50 INTRODUCTION TO PHOTOGRAPHY 3 UNITS

Introduction to the history and development of photography, basic processes, various types of cameras, materials, basic shooting, processing, developing, and printing of photographs. 1.5 hours lecture,

4.5 hours laboratory. Transfer: CSU, UC.

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. .5 hours lecture, 3 hours laboratory. Transfer: CSU.

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. 1 hour lecture, 1.5 hours laboratory. Transfer: CSU, UC.

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. 1 hour lecture, 1.5 hours laboratory. Transfer: CSU.

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. 2 hours lecture, 3 hours laboratory. Transfer: CSU.

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. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU, UC.

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. 1.5

to effectively communicate the methods, analysis, results, and conclusions of their own scientific experiments.

Freshman Year

PHYS 1A (General Physics I)	5
PHYS 1B (General Physics II)	5
MATH 1 (Calculus I)	5
MATH 2 (Calculus II)	5
General Education Courses	

Sophomore Year

PHYS 1C (General Physics III)	5
PHYS 1D (General Physics IV)	3
MATH 3 (Multivariable Calculus)	5
MATH 5 (Ordinary Differential Equations)	3.5
General Education Courses	

Program Based General Education requirement:

MATH 7 (Elementary Linear Algebra)	3.5
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Total Units Required..... 60

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. 4 hours lecture, 3 hours laboratory. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID#PHYS 205. *PHYS 2AB or 1 ABCD combined: max 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. 4 hours lecture, 3 hours laboratory. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C. *PHYS 2AB or 1 ABCD combined: max 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) . 4 hours lecture, 3 hours laboratory. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID#PHYS 210, *PHYS 2AB or 1 ABCD combined: max 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. 2 hours lecture, 3 hours laboratory. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C. *PHYS 2AB or 1 ABCD

combined: max 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. 3 hours lecture, 3 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID#PHYS 100 (if taken with PHYS 2B), PHYS 105. *PHYS 2AB or 1ABCD combined: max 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. 3 hours lecture, 3 hours laboratory. Transfer: CSU, UC*; CSU GE: B1, B3; IGETC: 5A, 5C; C-ID#PHYS 100 (if taken with PHYS 2A), PHYS 110. *PHYS 2AB or 1ABCD combined: max 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 107 with a minimum grade of C or MATH 107B with a minimum grade of C. 3 hours lecture. AA/AS GE. Transfer: CSU, UC*; CSU GE: B1; IGETC: 5A; *No UC credit for PHYS 10/10L 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 107 with a minimum grade of C or MATH 107B with a minimum grade of C. Corequisite: PHYS 10 (may also be taken after successful completion of PHYS 10). 3 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B3; IGETC: 5C; *No UC credit for PHYS 10/10L if taken after PHYS 1A or 2A.

Degree Applicable, Credit Grading Option: GR

PHYS 29 INDEPENDENT STUDY, PHYSICS .5-2 UNITS

For course information, see "Independent Studies"

Grading Option: GR

POLITICAL SCIENCE

About the Courses

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.

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. 4 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

Degree Applicable, Credit Grading Option: OP

POLI 29 INDEPENDENT STUDY, POLITICAL SCIENCE .5-2 UNITS

For course information, see "Independent Studies"

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

Degree Applicable, Credit Grading Option: OP

PSYCHOLOGY

About the Program

Psychology is the science of behavior and mental experiences. Psychology includes a variety of subfields including biological, developmental, clinical, counseling, school, and experimental psychology.

Degrees/Certificates

Degree:

- 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 level training.

Transferability

The courses in this program transfer to four-year institutions. Some variation in requirements may exist at a particular four-year college or university; therefore, it is essential that the student refers to the catalog of the prospective transfer institution and consults with a counselor.

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, selfimprovement, 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 effective written communication skills by discussing course content and using APA style.
- 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

MATH 40 (Statistics and Probability)	4
PSYC 1 (General Psychology).....	3
PSYC 25 (Research Methods).....	4

List A: Select One

BIO 10 (Introduction to the Science of Biology).....	4
BIO 30 (Intro to College Biology).....	4
PSYC 4 (Brain, Mind, and Behavior)	3

List B: Select One

Any List A course not already used

PSYC 3 (Introduction to Social Psychology).....	3
PSYC 12 (Life-Span Psychology).....	3

List C: Select One

Any List A or B course not already used

ANTR 1 (Biological/Physical Anthropology)	3
ANTR 3 (Social/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

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major 20-24

Total Units Required.....60

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4; C-ID#PSY 110.

Degree Applicable, Credit Grading Option: OP

PSYC 3 INTRODUCTION TO SOCIAL PSYCHOLOGY 3 UNITS

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4; 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B2, D; IGETC 4: 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4; 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. 3 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D, E; IGETC 4; 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC 4.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

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. 3 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC.

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) or MATH 44 with a minimum grade of C. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4; C-ID#PSY 200, PSY 205.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

PSYC 29 INDEPENDENT STUDY, PSYCHOLOGY .5-2 UNITS

For course information, see "Independent Studies"

PSYCHOLOGY-COUNSELING

About the Courses

Psychology-Counseling courses were developed to help educate students about the programs 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.

Psychology – Counseling (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. 3 hours lecture. AA/AS GE. Transfer: CSU; CSU GE: D.

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. 3 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. 2 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

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. 2 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. .5-1 hour 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. 0.5 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. 1 hour lecture.

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. 3 hours lecture. Transfer: CSU, UC; CSU GE: E.

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. 3 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. 1 hour lecture. Transfer: CSU.

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. 3 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B.

Degree Applicable, Credit Grading Option: OP

SOCIOLOGY

About the Program

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.

Degrees/Certificates

Degree:

- 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.

Transferability

This program 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 also refer to the catalog of the prospective transfer institution and consult a counselor.

AA-T – Sociology

About the Degree

Sociology is the scientific study of social life, social change, and the social causes and consequences of human behavior and social institutions. 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.

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.

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

SOC 1 (Principles of Sociology) 3

Select Two

SOC 6 (Social Problems).....3
 SOC 13 (Research Methods).....4
 MATH 40 (Statistics and Probability)4

List A: Select Two

Any Required Core class not already used

SOC 3 (Cultural and Racial Minorities).....3
 SOC 4 (Marriage and Family Relations).....3
 SOC 11 (Sociology of Gender)3
 PSYC 3 (Introduction to Social Psychology).....3
 SOC 7 (Sociology of Sexuality) 3

List B: Select One

Any course not already used

SOC 5 (Global Change).....	3
SOC 12 (Popular Culture)	3
ANTR 3 (Social/Cultural Anthropology)	3
PSYC 1 (General Psychology).....	3

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major 19-20

Total Units Required..... 60

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4; 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4; 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D, E; IGETC: 4; C-ID#SOCI 130.

Degree Applicable, Credit Grading Option: GR

SOC 5 GLOBAL CHANGE 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. Strongly Recommended: SOC 1 with a minimum grade of C. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

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.

3 hours lecture. Transfer: CSU, UC; CSU GE: D; IGETC: 4; 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. 3 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. 3 hours lecture. Transfer: CSU, UC; CSU GE: D; IGETC: 4; 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

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. 3 hours lecture, 3 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4; C-ID#SOCI 120.

Degree Applicable, Credit Grading Option: OP

SOC 29 INDEPENDENT STUDY, SOCIOLOGY .5-2 UNITS

For course information, see “Independent Studies”

SPANISH

About the Courses

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. 5 hours lecture. AA/AS GE. Transfer: CSU, UC; IGETC: 6A.

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. 5 hours lecture. AA/AS GE. Transfer: CSU, UC; IGETC: 6A.

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. 4 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B, 6A.

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. 4 hours lecture. Transfer: CSU, UC; CSU GE: C2; IGETC: 3B, 6A.

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 who wish to improve their reading and writing Spanish skills. It provides students with instruction that builds upon their existing reading, writing, speaking and listening skills, and their cultural heritage and knowledge. The course will help students develop critical and integrative thinking skills; enhance their knowledge of Hispanic cultures as manifested in Spanish-speaking countries and the United States; understand socio political realities; examine and recognize dialectal, social, and contextual variations; improve strategic speaking, reading, and writing skills; and master grammar points of concern to bilingual and heritage Spanish speakers. This course is conducted entirely in Spanish. Prerequisite: Spanish heritage speaker proficiency or the equivalent intermediate level as assessed. 5 hours lecture. AA/AS GE. Transfer:

CSU, UC.

Degree Applicable, Credit Grading Option: GR

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. 5 hours lecture. AA/AS GE. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

SPAN 29 INDEPENDENT STUDY, SPANISH .5-2 UNITS

For course information, see "Independent Studies"

THEATER ARTS

About the Program

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.

Degrees/Certificates

Degree:

- AA-T – Theater Arts
- AA – Theater Arts

Certificate 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.

Transferability

The curriculum provides the essential lower-division courses necessary for transfer to similar programs at four-year institutions. Some variation in requirements may exist at a particular four-year college or university; therefore, it is essential that the student also refer to the catalog of the prospective transfer institution and consult a counselor.

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, dramaturgy, 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

THEA 10 (Introduction to Dramatic Arts)	3
THEA 1A (Theory/Practice of Acting I)	3
THEA 47A (Performance in Production: Introduction to Live Performance) or	
THEA 48A (Technical Theater in Production-Beginning)	3

List A: Select Three

THEA 1B (Theory/Practice of Acting II)	3
THEA 50L (Introduction to Stage Lighting)	3
THEA 51 (Introduction to Costume Design)	3
THEA 50 (Stagecraft)	3

Select one of the following Required Core courses not already used:

THEA 47A (Performance in Production: Introduction to Live Performance) or	
THEA 48A (Technical Theater in Production-Beginning)	3

Total Units for the Major 18

Total Units Required 60

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

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

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 the following list for a total of four 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

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major 25-26

Total Units Required.....60

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.

Required Core

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 Required.....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. 3 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. 3 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. 3 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. 3 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. 3 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. 3 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. 3 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. 3 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. 2.5 hour lecture, 1.5 hour 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. 4 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. 3 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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1.

Degree Applicable, Credit Grading Option: GR

THEA 29A INDEPENDENT STUDY, THEATER .5-2 UNITS

For course information, see “Independent Studies”

THEA 29S INDEPENDENT STUDY, STAGECRAFT 5-2 UNITS

For course information, see "Independent Studies"

THEA 31A DRAMA WORKSHOP - BEGINNING 3 UNITS

Participation in experimental workshop plays, original student scripts, and other projects, possibly leading to scheduled performances. Casting subject to audition. 9 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. 9 hours laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 31C DRAMA WORKSHOP - ADVANCED 3 UNITS

Participation as an advanced actor in one act plays, original student scripts, or other projects preferably in styles or genres different from those done in THEA 31A and THEA 31B. Casting subject to audition. Prerequisite: THEA 31B with a minimum grade of C. 9 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. 9 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. 3 hours lecture, 3 hour laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 39B MUSICAL THEATER WORKSHOP - INTERMEDIATE 4 UNITS

Intermediate training in performance skills for the musical theater, with emphasis on acting, stage movement and vocal production. Study includes written analyses, musical theater staging, and basic acting and vocal techniques. Prerequisite: THEA 39A with a minimum grade of C. 3 hours lecture, 3 hour 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. Prerequisite: THEA 39B with a minimum grade of C. 3 hours lecture, 3 hour laboratory. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: GR

THEA 41 PASSPORT TO THEATER 1-6 UNITS

Supervised participation in scheduled performances of the theater department as an actor or backstage worker. Hour value to be determined by the instructor, after audition, based upon the scope

of the performance of technical assignment. Enrollment is for the duration of the rehearsals and performances. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

THEA 41B ADVANCED PASSPORT TO THEATER 3 UNITS

Advanced level participation in scheduled performances of the theater department as a performer, stage manager, assistant director/designer or running crew member. Enrollment is for the duration of the pre-show preparation, through rehearsals and performances. Strongly Recommended: THEA 41 with a minimum grade of C/P. 3 hours lecture. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

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. 2 hours lecture, 3 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. 2 hours lecture, 3 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. 2 hours lecture, 3 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. 2 hours lecture, 3 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. 1 hour lecture, 6 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. 1 hour lecture, 6 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 50 with a minimum grade of C. 1 hour lecture, 6 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 50 with a minimum grade of C (May be taken concurrently). 1 hour lecture, 6 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. 2 hours lecture, 3 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. 2 hours lecture, 3 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. 2 hours lecture, 3 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. 2.5 hours lecture, 1.5 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. 3 hours lecture. AA GE. Transfer: CSU, UC.

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. 2 hours lecture, 3 hours laboratory. Transfer: CSU.

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). 2 hours lecture, 3 hours laboratory. Transfer: CSU.

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. 2 hours lecture, 3 hours laboratory. Transfer: CSU.

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. 2 hours lecture, 3 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

TUTORING

About the Courses

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. 0.5 hours lecture, 1 hour laboratory. 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. 0.5 hours lecture, 1 hour laboratory. 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, mentoring new tutors, and tutoring students with learning disabilities. Required course for third semester tutors participating in the Las Positas College Tutorial

Program. Prerequisite: TUTR 17B with a minimum grade of C. 0.5 hours lecture, 1 hour laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

TUTR 200 SUPRVSD LEARN ASSIST-IND STUDY 0 UNITS

Individualized student tutoring (supplemental learning assistance) provided to students requesting assistance or referred by a counselor or an instructor. Trained tutors and instructors will provide tutoring in basic skills, academic and vocational subject matter areas. Hours variable. (No Limit)

Non-Degree Applicable, Non-credit Grading Option: P/NP

UNIVERSITY TRANSFER

Degrees/Certificates

Certificate of Achievement:

- IGETC (Intersegmental General Education Curriculum)
- CSU General Education Breadth

For more information, see a counselor.

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 University Transfer - IGETC (Intersegmental General Education Transfer Curriculum) able to critically apply ethical standards to identify problems and create solutions.

Area 1: English Composition

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

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 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

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

Select at least 1 course from below:

ARHS 1 (Introduction To Art).....	3
ARHS 4 (Art History - Ancient)	3
ARHS 5 (Art History-Renaissance Mdrn)	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 8A (Harmony and Musicianship I)	4
MUS 8B (Harmony & Musicianship II)	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

Select at least 1 course from below:

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 Reconstruct)	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 (FLM-Drama-Mus-Vis Art-Lyr Poet)	3
HUMN 6 (Nature and Culture).....	3
HUMN 7 (Contemporary Humanities)	3
HUMN 10 (The American Style).....	3
HUMN 28 (The Classic Myths).....	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

Area 4: Social and Behavioral Sciences

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/Physical Anthropology)	3
ANTR 2 (Introduction to Archaeology)	3
ANTR 3 (Social/Cultural Anthropology)	3
ANTR 4 (Language and Culture).....	3
ANTR 5 (Cultures of the U.S. in Global 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
HLTH 3 (Women's Health).....	3
HIST 1 (Western Civilization to 1600).....	3
HIST 2 (Western Civilization Since 1600).....	3
HIST 7 (US History Through Reconstruct)	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
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 (Global Change).....	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

Select 1 Physical Science Course and 1 Biological Science Course from below; minimum 7 units; 1 course must include a laboratory

5A: Physical Science

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
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 (Intro to Phys Geog Laboratory).....	1
GEOG 8 (Intro to Atmospheric Science)	3
GEOG 12 (Geography of California).....	3
GEOL 1 (Physical Geology).....	3
GEOL 1L (Physical Geology Laboratory).....	1
GEOL 3 (Historical Geology)	3
GEOL 3L (Historical Geology Laboratory).....	1
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

5B: Biological Science

ANTR 1 (Biological/Physical Anthropology)	3
ANTR 1L (Biological/Physical Anthropology Lab)	1
ANTR 13 (Intro 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 (Intro 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

At least one course selected from group 5A or 5B must include a lab. The chosen lab must be associated with a lecture component and/or connected as a co-requisite or prerequisite.

Area 6: Language other than English - UC Requirement Only

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
ITLN 1A (Beginning Italian)	5
SPAN 1A (Beginning Spanish)	5

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 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 Reconstruct 3) and HIST 8 (US History Post-Reconstruction).....	3
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Group 2:

POLI 7 (Introduction to American Government)	4
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and one of the following:

HIST 7 (US History Through Reconstruct)	3
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HIST 8 (US History Post-Reconstruction).....	3
HIST 25 (American Indian History).....	3
HIST 32 (U.S. Women's History).....	3
Total Units Required.....	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.

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.

Area A: English Language Communication and Critical Thinking

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
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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

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

ASTR 30L (Introduction to Astronomy Lab).....	1
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 (Intro to Physical Geography).....	3
GEOG 1L (Intro to Phys Geog Laboratory).....	1
GEOG 8 (Intro to Atmospheric Science).....	3
GEOG 12 (Geography of California).....	3
GEOL 1 (Physical Geology).....	3
GEOL 1L (Physical Geology Laboratory).....	1
GEOL 3 (Historical Geology).....	3
GEOL 3L (Historical Geology Laboratory).....	1
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

B2: Life Science

ANTR 1 (Biological/Physical Anthropology).....	3
ANTR 1L (Biological/Physical Anthropology Lab).....	1
ANTR 13 (Intro 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 (Intro 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

B3: Laboratory Activity

At least one of the courses selected from group B1 or B2 must include a lab. The chosen lab must be associated with a lecture component and/or connected as a co-requisite or prerequisite.

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 20 (Pre-Calculus Mathematics).....	5
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

Select 3 courses from below, 1 course from Arts, 1 course from Humanities & 1 from either area; minimum 9 units required.

C1: Arts

ARHS 1 (Introduction To Art).....	3
ARHS 4 (Art History - Ancient).....	3
ARHS 5 (Art History-Renaissance Mdrn).....	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 (Harmony and Musicianship I).....	4
MUS 8B (Harmony & Musicianship II).....	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 (Intro 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
HIST 1 (Western Civilization to 1600).....	3
HIST 2 (Western Civilization Since 1600).....	3
HIST 7 (US History Through Reconstruct).....	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 (FLM-Drama-Mus-Vis Art-Lyr Poet).....	3
HUMN 6 (Nature and Culture).....	3
HUMN 7 (Contemporary Humanities).....	3
HUMN 10 (The American Style).....	3
HUMN 28 (The Classic Myths).....	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

Area D: Social Sciences

Select 3 courses from below, from at least 2 different disciplines; minimum of 9 units required.

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/Physical Anthropology).....	3
ANTR 2 (Introduction to Archaeology).....	3
ANTR 3 (Social/Cultural Anthropology).....	3
ANTR 4 (Language And Culture).....	3
ANTR 5 (Cultures of the U.S. in Global 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
GEOG 2 (Cultural Geography).....	3
GEOG 5 (World Regional Geography).....	3
GEOG 12 (Geography of California).....	3

GEOG 15 (Introduction to GIS)	3
HLTH 3 (Women's Health).....	3
HIST 1 (Western Civilization to 1600).....	3
HIST 2 (Western Civilization Since 1600).....	3
HIST 7 (US History Through Reconstruct)	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
MKTG 50 (Introduction to Marketing)	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
PCN 3 (Theories And Concepts Of Counseling: An Introduction)	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 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 E: Lifelong Learning and Self Development

Select 3 units 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 Beginning)	1
DANC 2B (Jazz Dance Intermediate)	1
DANC 3 (Ballet- Beginning)	1
DANC 5A (Dance Composition 5A)	2
DANC 5B (Dance Composition 5B)	2
FST FSC1 (Fire Service Conditioning & Physical Agility Development 1).....	1
HLTH 1 (Introduction to Personal Health).....	3
HLTH 3 (Women's Health).....	3
KIN 21A (Soccer Theory and Practice I)	0.5 - 2
KIN 21B (Soccer Theory and Practice II).....	0.5 - 2
KIN 22A (Science of Soccer 1).....	3
KIN 24 (Sport Psychology)	3

KIN 30 (Introduction to Kinesiology).....	3
KIN AAE (Adapted Aerobic Exercise)	0.5 - 2
KIN AFG (Aerobic Fitness Gym).....	1 - 2
KIN AIE (Adapted Individualized Exercise)	1 - 2
KIN APA (Adapted Physical Activities)	0.5 - 2
KIN AQA (Aqua Aerobics)	1 - 2
KIN AWT (Adapted Weight Training)	1 - 2
KIN BC1 (Boot Camp1 for Flexibly & Core Development)	1 - 2
KIN BC2 (Boot Camp for Aerobic Conditioning).....	1 - 2
KIN BC3 (Boot Camp for Power & Strength Training)	1 - 2
KIN BD1 (Badminton 1).....	0.5 - 2
KIN BD2 (Badminton 2).....	0.5 - 2
KIN BD3 (Badminton 3).....	0.5 - 2
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 BX (Box Aerobics).....	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 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 DV1 (Springboard Diving)	1 - 2
KIN FL1 (Flag Football 1)	1 - 2
KIN FL2 (Flag Football 2)	1 - 2
KIN FL3 (Flag Football 3)	1 - 2
KIN FS1 (Introduction to Futsal)	1 - 2
KIN FS2 (Intermediate Futsal).....	1 - 2
KIN FW1 (Fitness Walking 1)	1 - 2
KIN FW2 (Fitness Walking 2)	1 - 2
KIN FW 3 (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 ID (Introduction to Dance)	1 - 2
KIN JW (Jog/Walk)	1 - 2
KIN LAX1 (Lacrosse).....	1 - 2
KIN PF (Personal Fitness)	1
KIN PL1 (Pilates 1).....	0.5 - 2
KIN PL2 (Pilates 2).....	1 - 2
KIN PPA1 (Power Platform Aerobics)	1 - 2
KIN SC1 (Soccer Outdoor)	1 - 2
KIN SC2 (Soccer Outdoor 2)	1 - 2
KIN SD (Salsa Dance 1)	1 - 2
KIN SI (Soccer-Indoor).....	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 ETD1 (Eskrima - Tenio DeCuerdas 1).....	1 - 2

KIN ETD2 (Eskrima - Tenio DeCuerdas 2).....	1 - 2
KIN ETD3 (Eskrima - Tenio DeCuerdas 3).....	1 - 2
KIN ETD4 (Eskrima - Tenio DeCuerdas 4).....	1 - 2
KIN TK1 (Taekwondo 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
KIN YO4 (Yoga 4).....	0.5 - 2
KIN YOATH (Yoga for Athletes-Sports Conditioning).....	0.5 - 2
KIN YOF (Yoga Fitness).....	1 - 2
KIN ZUM1 (Zumba Fitness Workout).....	1 - 2
KIN 31A (Pre-Season Conditioning for Intercollegiate Basketball (Men's).....	1 - 2
KIN 31B (Fall Intercollegiate Basketball - Men).....	1.5
KIN 31C (Spring Intercollegiate Basketball - Men).....	1.5
KIN 31D (Off Season Intercollegiate Men's Basketball).....	0.5 - 2
KIN 36 (Men's & Women's Intercollegiate Cross Country).....	2
KIN 38A (Preseason Intercollegiate Men's Soccer).....	1 - 2
KIN 38B (Intercollegiate Men's Soccer).....	3
KIN 38C (Post Season Intercollegiate Men's Soccer).....	1 - 2
KIN 41A (Pre-Season Conditioning for Intercollegiate Basketball (Women's).....	1 - 2
KIN 41B (Fall Intercollegiate Basketball - Women).....	1.5
KIN 41C (Spring Intercollegiate Basketball - Women).....	1.5
KIN 41D (Off Season Intercollegiate Women's Basketball).....	1 - 2
KIN 48A (Preseason Intercollegiate Women's Soccer).....	1 - 2
KIN 48B (Intercollegiate Athletics: Women's Soccer).....	3
KIN 48C (Off Season Intercollegiate Women's Soccer).....	1 - 2
KIN 50 (Intercollegiate Swimming & Diving).....	3
KIN 51 (Pre-Season Training - Swimming & Diving).....	1 - 2
KIN 60 (Intercollegiate Water Polo -- Men's).....	3
KIN 61 (Water Polo Off Season Training).....	0.5 - 2
KIN 65 (Intercollegiate Water Polo -- Women's).....	3
NUTR 1 (Nutrition 3 PSYC 10 Psychology of Human Sexuality).....	3
PSYC 12 (Life-Span Psychology).....	3
PCN 10 (Career and Educational Planning).....	2
PCN 18 (University Transfer Planning).....	0.5 - 1
PCN 30 (Student Success and the College Experience).....	3
SOC 4 (Marriage and Family Relations).....	3
SOC 7 (Sociology of Sexuality).....	3

US History, Constitution, and American Ideals

Complete 1 of the groups below (0-6 Units)

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 Reconstruct).....	3
HIST 8 (US History Post-Reconstruction).....	3

Group 2:

POLI 7 (Introduction to American Government).....	4
and	
HIST 7 (US History Through Reconstruct) or	
HIST 8 US (History Post-Reconstruction) or	
HIST 25 (American Indian History) or	
HIST 32 (U.S. Women's History).....	3

Total Units Required..... 39-58

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.

VITICULTURE & WINERY TECHNOLOGY

About the Program

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 in 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 in Science degree in either Viticulture or Enology.

Degrees/Certificates

Degree:

- AS – Enology
- AS – Viticulture

Certificate of Achievement:

- Enology
- Viticulture

Career Certificate:

- 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.

Transferability

In addition to the degrees and certificates, a track is available for students interested in transferring to a four-year institution.

See also: Horticulture

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 have working knowledge of the organoleptic requirements of a sound wine through the processes of sensory analysis.
- Upon successful completion of the AS in Enology, the student will have working knowledge of the processes of the chemical analysis of wines.

Required Core

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

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

CHEM 31 (Intro to College Chemistry)	4
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GENERAL EDUCATION AND ELECTIVES

Total Units for the Major	35
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Total Units Required.....	60
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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

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

CHEM 30A (Intro and Applied Chemistry I)	4
CHEM 31 * (Intro to College Chemistry)	4

List B: Select one

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

VWT 1 (World Wines: New World)	3
VWT 47 (Wine Regions/Wines of Calif).....	3
VWT 2 (World Wines: Old World)	3

Program Based GE: Select one

BIO 10 (Introduction to the Science of Biology).....	4
BIO 30 ** (Intro to College Biology)	4

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major 34-36

Total Units Required.....60

*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.

Required Core

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

VWT 2 (World Wines: Old World)	3
VWT 47 (Wine Regions/Wines of Calif).....	3
VWT 1 (World Wines: New World)	3

Total Units Required.....26

Certificate of Achievement

Viticulture

About the Degree

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

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

VWT 47 (Wine Regions/Wines of Calif).....	3
VWT 1 (World Wines: New World)	3
VWT 2 (World Wines: Old World)	3

Total Units Required.....27

**Career Certificate
Wine Hospitality §**

About the Certificate

The Career Certificate 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 Career Certificate in Wine Hospitality, the student will be able to demonstrate proper wine service.
- Upon completion of the Career Certificate in Wine Hospitality, the student will be able to describe a wine's qualities.

Required Core

VWT 55 (Wine Service and Sales)	2
VWT 45 (Food and Wine Pairing).....	2
VWT 47 (Wine Regions/Wines of Calif).....	3
VWT 1 (World Wines: New World) or VWT 2 (World Wines: Old World).....	3

Total Units Required.....10

§ *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.*

**Viticulture and 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. 3 hours lecture. Transfer: CSU.

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. 3 hours lecture. Transfer: CSU.

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 *Vitis 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. 3 hours lecture. Transfer: CSU, UC.

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. 2.5 hours lecture, 1.5 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. 3 hours lecture. Transfer: CSU, UC.

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. 2.5 hours lecture, 1.5 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. 3 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. 3 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

VWT 29 INDEPENDENT STUDY, VITICULTURE AND WINERY TECHNOLOGY .5-2 UNITS

For course information, see "Independent Studies".

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. 2 hours lecture, 3 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. 2 hours lecture, 3 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. .5 hours lecture, 1.5 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. 2.5 hours lecture, 1.5 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. 2 hours lecture, 3 hour 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. 2 hours lecture, 3 hours laboratory. 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. 2 hours lecture, 3 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. 2 hours lecture. Transfer: CSU.

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. 3 hours lecture. Transfer: CSU.

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. 2 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

WELDING TECHNOLOGY

About the Program

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.

Degrees/Certificates

Degree:

- AS – Welding Technology

Certificate 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.

Transferability

A majority of the Welding Technology courses transfer to four-year universities as elective units. The course content will prepare students for further study in such majors as General Engineering, Welding

Engineering, and Materials Science. Variation in requirements may exist at particular four-year universities; therefore, it is essential that the student refer to the catalog of the prospective transfer institution and consult a counselor.

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

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
MATH 53A (Technical Intermediate Algebra for Welding A).....	2
MATH 53B (Technical Intermediate Algebra for Welding B).....	1
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 the following list for a total of 13 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

GENERAL EDUCATION AND ELECTIVES

Total Units for the Major	45
Total Units Required.....	60

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

MATH 72A (Technical Elementary Algebra A)	1
MATH 72C (Technical Elementary Algebra C)	1
MATH 53A (Technical Intermediate Algebra for Welding A).....	2
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 the following list for a total of 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

Total Units Required.....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. .5 hours lecture, 1.5 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. 1 hour lecture, 6 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. 2 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. 1 hour 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 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. 6 hours laboratory. Transfer: CSU.

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. 1 hour 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. 6 hours laboratory. Transfer: CSU.

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. 1 hour 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. 6 hours laboratory. Transfer: CSU.

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. 1 hour 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. 6 hours laboratory. Transfer: CSU.

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. 1 hour lecture, 3 hours laboratory. Transfer: CSU.

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. 1 hour lecture, 3 hours laboratory. Transfer: CSU.

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. 6 hours laboratory.

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. 6 hours laboratory.

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. 6 hours laboratory.

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. 1 hour lecture, 6 hours laboratory.

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. 1 hour lecture, 6 hours laboratory.

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. 1 hour lecture, 3 hours laboratory. Transfer: CSU.

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. 1 hour lecture, 6 hours laboratory. AA/AS GE. Transfer: CSU; CSU GE: C1.

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. 2 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). 1 hour lecture, 6 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 of 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. 6 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. 1 hour 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. 1.5 hours lecture, 1.5 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. 2 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

WORK EXPERIENCE

About the Courses

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://laspositascollege.edu/workexperience/>. Students can search for

employment on the Las Positas College Internship and Job Board at <http://laspositascollege.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.laspositascollege.edu/careercenter/work-based.php>.

Work Experience Courses (WRKX)

WRKX 94 OCCUPATIONAL WORK EXPERIENCE/ INTERNSHIP 1-8 UNITS

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 1 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.

Degree Applicable, Credit Grading Option: OP

WRKX 95 GENERAL WORK EXPERIENCE 1-6 UNITS

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 1 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.

Degree Applicable, Credit Grading Option: OP

WOMEN'S STUDIES

About the Courses

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

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. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D; IGETC: 4.

Degree Applicable, Credit Grading Option: OP

FACULTY

Angela L. Amaya (2008)	BA, College of St. Benedict; MLIS, San Jose State University; Librarian	Peet A. Cocke (2016)	BA, California State University, San Diego; MFA, University of Southern California, Visual Art; MFA University of California, Davis, Dramatic Art
Michael A. Ansell (2002)	BS, California State University, Chico; MS University of Oregon; PhD, University of Oregon; Chemistry	Elena C. Cole (1997)	AA, Ohlone College; BA, University of California, Berkeley; MA, San Francisco State University; English
Robert H. August, Jr. (2001)	BS, Armstrong Atlantic State University; MS, Western Kentucky University; Mathematics; MFA, University of California, Davis; Acting	Jason B. Craighead (2009)	AA, Santa Rosa Junior College; BS, UC Santa Barbara; MSS, United States Sports Academy; Physical Education/ Swimming Coach
Erik O. Bell (2015)	BS California State University, East Bay; MS Golden Gate University; Accounting	Andrew C. Cumbo (2016)	BA, SUNY Plattsburgh; MS, Humboldt State University; Kinesiology
TeriAnn Bengiveno (2001)	BA, San Jose State University; MA, San Jose State University; PhD, University of Hawaii; History	Moh Daoud (2002)	AS, College of San Mateo; BS, Ecole Nationale D'Electronique, Paris; Computer Information Systems
R. Toby Bielawski (1999)	BA, Smith College; MA, Mills College; English	Gabriela I. Discua (2014)	BA, California State University, Hayward; MS, San Francisco State University; Counseling
Howard L. Blumenfeld (2008)	BA, University of California, San Diego; MA, San Diego State University; Mathematics	James L. Dobson (2001)	AA, College of DuPage, Illinois; BS, Northern Arizona University; MA, California State University, Chico; Speech
Segal M. Boaz (2016)	BS, University of California, San Diego; MS, Sonoma State University; Biology	Richard J. Dry (1999)	BA, University of California, Berkeley; MA, San Francisco State University; English
Jeremiah H. Bodnar (2007)	AA, Saddleback College; BA, University of California, Los Angeles; MA University of Chicago; Philosophy	Catherine M. Eagan (2003)	BA, University of California, Berkeley; PhD, Boston College; English
Ian J. Brekke (2015)	BA, California State University, Sacramento; MA, California State University, Long Beach; Music	Darcy F. Ernst (2017)	BS, University of California, Davis; PhD, University of California, Berkeley; Biology.
Jonathan D. Brickman (2006)	BA, University of Wisconsin; MA, San Francisco State University; English as a Second Language	David R. Everett (2005)	VWT Coordinator; Viticulture and Winery Technology
Angelo Bummer (2015)	BA Evergreen State College; MA, San Francisco State University; English	Lisa R. Everett (2000)	BS, University of California, San Diego; MS, San Francisco State University; Ed. D., San Francisco State University; Health
Kimberly M. Burks (2016)	BS, San Francisco State University; MA, Saint Mary's College; Counseling	Debbie J. Fields (1990)	AA, Penn State University; BS, Virginia Commonwealth University; MBA, Golden Gate University; Computer Information Systems
Jose D. Calderon (2016)	AA, Evergreen Valley College; BA, San Jose State University; MA, California State University, San Jose ; Counselor, Veterans First Program	Adeliza E. Flores (2006)	BS, University of California, Davis; MS, San Francisco State University; Chemistry
Jill E. Carbone (2006)	BA, University of California, Santa Cruz; MS, University of California, Davis; Biology	Joel M. Gagnon (2011)	BA, University of California, Santa Barbara; MA, St. Mary's College of California; Counseling
Rajeev Chopra (2008)	BCOM, Guru Nanak Dev University, India; MCOM, Kurukshetra University, India; MS, California State University, Hayward; Business	Lyndale T. Garner (2017)	BA, California State University, Sacramento; MA, California State University, Sacramento; Early Childhood Education
Daniel G. Cearley (2017)	BA, San Jose State University; MA, San Francisco State University; Anthropology	Justin C. Garoupa (2006)	BA, University of California, Davis; MFA, University of Alaska; English

Heike Gecox (2011)	AA, Las Positas College; BA, California State University, Hayward; MS, California State University, Hayward; Counseling	Deanna A. Horvath (2009)	BA, CSU East Bay; Photography
James Giacomazzi (2015)	BS, University of California, Riverside; MA, California State University, San Jose; Kinesiology	Jared N. Howard (2016)	AA, Chabot College; BA, University of California, Berkeley; MA, California State University, San Jose; Counseling
Kent Gomez (2016)	AA, Mission College; BA, California State University, Stanislaus; MS, California State University, San Francisco; Counseling	Frances M. Hui (2000)	BA, San Diego State University; MLS, University of California, Los Angeles; Librarian
Michelle C. Gonzales (2005)	BA, Mills College; MFA, Mills College; English	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
Jennie Graham (2013)	B.S. University of California, Davis; M.S. California State University, East Bay; Mathematics	Joanna Tice Jen (2018)	BA, Wesleyan University; M. Phil, City University of New York; Ph.D., City University of New York; Political Science
Richard H. Grow (2006)	BS, California State University, Hayward; MS, California State University, San Francisco; PhD, University of California, Riverside; Chemistry	Terry K. Johnson (1999)	Automotive Certification, College of Alameda; Automotive Technician Program, Chabot/Las Positas College; ASE Master Technician; CA Smog Instructor
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	William J. Komanetsky (2015)	BS Washington University; MS California State University, Chico; Computer Science
Ruth L. Hanna (1991)	AA, Hartnell Community College; BS, University of California, Davis; MS, University of California, Davis; Geology	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
Eric W. Harpell (1988)	BA, University of California, San Diego; MS, University of California, Los Angeles; Physics	Peter Kuo (2015)	BFA, University of California, San Diego; Graphic Arts
LaVaughn M. Hart (2000)	AA, Las Positas College; BA California State University, Sacramento; Computer Information Systems	Craig A. Kutil (2006)	BA, Humboldt State University (Liberal Studies); BA, Humboldt State University (Mathematics); MS, Humboldt State University; Mathematics
L.W. Hasten (2004)	BA, Brooklyn College; MA, Columbia University; Anthropology	Mary Lauffer (2017)	BA, Miami University; MA, University of New Mexico; Business
Timothy D. Heisler (1995)	AA, Chabot College, Hayward; BA, California State University, Hayward; MA, California State University, Hayward; Speech	Christina H. Lee (2006)	BA, University of California, Berkeley; MS, San Francisco State University; Counselor
Donald E. Hester (2016)	AA, Los Medanos College; BA, American Military University; MA, Biola University; Computer Information Systems	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
		Ruchira Majumdar (2008)	BS, University of Calcutta; MS, University of Calcutta; PhD, Iowa State University; Mathematics

Daniel F. Marschak (2015)	BA, University of California, Los Angeles; MA, University of California, Los Angeles	Cecelia A. Browne Rosefield (2006)	AA, Los Medanos College; BA, California State University, Hayward; MA, Washington State University; Music
Stuart J. McElderry (2000)	BA, University of California, Berkeley; MA, San Francisco State University; PhD, University of Oregon; History	John J. Rosen (2016)	BA, University of California; MA, San Francisco State University; PhD, University of Illinois at Chicago; History
Julia I. McGurk (2014)	BA, California Polytechnic State University, San Luis Obispo; MA, California State University, Hayward; English as a Second Language	Robin E. Roy (2008)	BA, Connecticut College; MS, Old Dominion University; PhD, University of Vermont; Psychology
Ashley D. McHale (2008)	BS, Elon University; MS, Texas Tech University; Mathematics	John D. Ruys (2006)	BS, University of California, Davis; MS, University of California, Davis; PhD, University of California, Davis; Psychology
Scott A. Miner (2006)	AA, Chabot College-Valley Campus; BS, California Polytechnic State University; Materials Engineering	Paul Sapsford (2014)	B.Sc., University of Surrey; PGCE Physical Education, University of Exeter; MA, Saint Mary's College; Kinesiology
Jason M. Morris (2001)	BA, University of Texas; MA, University of New Mexico; Mathematics	Michael R. Sato (2002)	BA, University of California, Santa Cruz; MA, California State University, Sacramento; English
Martin J. Nash (2009)	BA, Kansas State University; MFA, California College of the Arts; English	Colin G. Schatz (2008)	BA, Swarthmore College; MS, Stanford University; Ph.D, Stanford University; Computer Science
Maureen P. O'Herin (2003)	BA, St. Mary's College; MA, San Francisco State University; English	Michael J. Schwarz (2006)	AA, Santa Rosa Junior College; AB, University of California, Davis; MA, University of San Diego; Counselor
Jill R. Oliveira (2014)	BA, California State University, Chico; MS, California State University, Hayward; Counselor	Michal I. Shuldman (2015)	BA, Vassar College; MA University of California, Davis; PhD, University of California, Berkeley; Biology
Thomas M. Orf (2005)	BA, University of Northern Colorado; MS, University of Northern Colorado; PhD, University of Kentucky; Geography	Bhairav Singh (2015)	BA, Princeton University; Ph.D., Massachusetts Institute of Technology; Mathematics
Jim Ott (2013)	AA, West Valley College; BA San Jose State; MA, San Jose State; English	Karin S. Spirn (2005)	BA, University of California, Berkeley; MA, University of Michigan; PhD, University of Michigan; English
Elizabeth Owens (2015)	AS, college of the Sequoias; BS, California Polytechnic State University, San Luis Obispo; MS, University of California, Merced; Mathematics	Catherine A. Suárez (2006)	BA, University of the Pacific; ME, University of the Pacific; Foreign Languages
Jessica Owyong (2017)	BA, San Francisco State University; MA, Western Seminary; DSPS Counselor	Meghan C. Swanson-Garoupa (2015)	AA, Las Positas College; BA University of California, Santa Barbara; MA, California State University, East Bay; English
Michael H. Peterson (2015)	BA Stanford University; BS, Stanford University; MS, Stanford University; Mathematics	Nadiyah Taylor (2009)	BA, Macalester College; MA, Pacific Oaks College; Early Childhood Development
David J. Powers (2016)	BS, California State University, Hayward; MS, California State University, Hayward; Mathematics	Sarah K. Thompson (1996)	BA, Hamilton College; MA, Rutgers University; Sociology
Robin Rehagen (2015)	BA, University of California, Berkeley; MS, University of California, Los Angeles; PhD, University of California, Los Angeles; Physics	Kimberly A. Tomlinson (2001)	BA, University of Minnesota; MA Luther Theological Seminary, St. Paul; CalWORKS, Religious Studies
Kali A. Rippel (2015)	BA, San Francisco State University; MLIS, University of Wisconsin; Library and Information Science		

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, Pepperfine University; PhD California School of Professional Psychology at Alliant International University; Psychology
Paul S. Torres (2001)	AA, DeAnza College; BA, San Jose State University; MA, University of California, Riverside; Political Science
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, Thge 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
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	Robert P. Dickinson, Jr. Instructor	1977-1998
Marjorie R. O’Leary Executive Secretary	1971-1989	Joan D. Newsom Cashier/Buyer Bookstore	1981-1998
George Anna Tow Counselor/Instructor	1975-1989	Barry J. Deadder Security Supervisor	1982-1998
Gerald D. Friedel Instructor	1967-1991	Ruth S. Feldman Instructor	1969-1999
Irving Batz Dean of Student Services	1968-1991	David A. Wright Instructor	1965-1999
Donald V. Nilsen Instructor	1974-1991	Karen O. Albertson Instructional Computer Laboratory Specialist	1981-1999
Faye L. Gleason Secretary I	1980-1991	Linda L. Lucas Dean of Academic Services	1969-2000
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

Ronald E. Liljedahl Instructor	1980-2005	Steven E. Bundy Counselor/Instructor	1976-2009
Connie A. Bish Instructional Assistant II	1982-2005	Karen B. Pihl Instructor	1976-2009
James L. Landre Instructor	1982-2005	David B. Vigil Laboratory Technician IV	1980-2009
Gary F. Svihula Instructor	1982-2005	James B. Heiner Instructor	1981-2009
Margaret E. Riley Instructor	1985-2005	Mary Straight Assessment Specialist	1984-2009
William R. Dunn Instructor	1987-2005	Lindell R. Bruce Instructor	1985-2009
Sharon A. Cadwalader Executive Assistant to the President	1986-2005	Theresa M. Costa Student Counseling Assistant I	1990-2009
Alice Y. Kwan Admissions and Records Assistant II	1988-2005	Abigail McCann Instructor	1990-2009
William McCarthy Security Officer	1990-2005	Ken Ross Instructor	1990-2009
Denise Van Horn-Landre Articulation Officer	1995-2005	Donna J. Impey Instructional Assistant II	1991-2009
Maria Elena Pellinen Instructor	1975-2006	Sharon R. Keick Custodial Supervisor	1992-2009
Arthur S. Tenbrink Counselor/Instructor	1980-2006	Alice M. Moyer Instructional Assistant II	1992-2009
Lucy A. Sponsler Instructor	1991-2006	Martha L. Peterson Accompanist	1996-2009
Eric Golanty Instructor	1993-2006	Gale "Jackie" Fitzgerald Instructor	1997-2009
Peggy C. Carter Librarian	1989-2007	Margaret Egan Counselor Assistant I	1999-2009
James A.R. Forcier Instructor	1976-2007	Ken Ross Instructor	1990-2009
Lettie J. Camp Career/Transfer/Employment Coordinator	1979-2007	Richard D. Butler Director of Safety & Security	1999-2010
Barbara W. Hardy Librarian	1988-2007	Nancy Wright Counselor	2000-2010
Sharron L. Dupree International Admissions Specialist	1993-2007	Dale Boercker Instructor	1988-2011
Judith K. Hanson Academic Services Specialist II	1988-2007	Martha K. Konrad Executive Assistant	1991-2011
Keith E. Jolly Instructor	1984-2008	Mary E. Campbell Instructor	1990-2011
Robert F. Breuer Instructor	1990-2008	Judy Martinez Staff Assistant	1997-2011
Patrick L. Pohl Instructor	1971-2009	Philip Manwell Dean of Academic Services	1997-2011
Linda L. Peifer Administrative Assistant II	1975 -2009	Leslie Gravino Work Based Learning Program Coordinator	1998-2012
Sophie C. Rheinheimer Instructor	1975-2009	Connie Reding Staff Assistant	1995-2012

Carolyn I. Smutny Staff Assistant	2002-2012	Barbara J. Morrissey Dean	1991-2017
Neal M. Ely Dean, Academic Services	1998-2013	Brian H. Owyong Counselor/Instructor	1997-2017
Saundra L. Ashburn Telephone Operator/Receptionist	2000-2014	Zina L. Rosen-Simon Instructor	2001-2017
Lawrence F. Aguiar Instructor	1977-2014	Janet Brehe- Johnson Instructor	1986-2018
Cynthia W. Ross Instructor	2001-2014	Deborah G. Earney Admissions and Records Assistant II	1984-2018
Cheryl Warren Librarian	2004-2014	James J. Gioia Instructor	2001-2018
John S. Gonder Instructor	2002-2015	Constance F. Hildebrand Counselor Assistant I	2001-2018
Donna S. Hawkinson Student Counseling Assistant II	1998-2015	Ronald J. Johansen Instructor	2005-2018
Theodore K. Kaye Executive Director, College Foundation	2004-2015	Ernest D. Jones Instructor	1991-2018
Cynthia M. Keune Instructor	2004-2015	Steven J. Navarro Instructor	1995-2018
Jane C. McCoy Instructor	1994-2015	Virginia P. Ripplinger Senior Administrative Assistant	1982-2018
Geoffrey C. Smyth Instructor	1990-2015	Paula M. Schoenecker Instructor	2008-2018
Randolph J. Taylor Instructor	1990-2015	Mark S. Tarte Instructor	2002-2018
Gilberto N. Victoria Counselor	1995-2015	Lisa T. Weaver Instructor	2004-2018
Jeanne M. Virgilio ECD Professional Development Coordinator	2001-2015	Sylvia R. Wodyka Dean, Student Services- Enrollment	1994-2018
Candace L. Klaschus Instructor	2005-2016		
Carmen L. McCauley Senior Administrative Assistant	1993-2016		
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		

CLASSIFIED STAFF

Las Positas College

Kelly M. Abad	Executive Assistant, College President
Elena T. Alvarado	Strasser Instructional Assistant
Marguerite L. Alvarez	Veterans Specialist
Miguel A. Alvarez	Outreach Specialist
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	Jeffrey T. Lawes	Admissions & Records Assistant III
Melissa J. Brown	Counselor Assistant II	Anela L. Le Cara	Athletic Trainer
Jeff W Burns	Security Officer	David D. Lee	Instructional Systems Technician
Wanda L. Butterly	Instructional Technology Specialist	Jadin Lee-Forbes	Telephone Operator/Receptionist
Neil P. Carey	Instructional Assistant	Sherman Lindsey	Instructional Systems Specialist
Lucciana D. Caselli	Laboratory Technician	Andrew P. Lozano	Laboratory Technician
Barbara A. Chavez	Admissions & Records Assistant II	Kauhleen R. Mangayan	Lab Technician, Biology/Chemistry
Linda R. Cross	Senior Administrative Assistant	Jodi L. Mascaro	Early Childhood Specialist
Frankie L. Danner	Security Communications Dispatch	Andrea M Migliaccio	Curriculum & Scheduling Specialist II
Terri L. Danner	Counselor Assistant II	Sheri L. Moore	Executive Assistant to Vice President
Sharon A. Davidson	Administrative Services Technician	Cheri Morrell	Instructional Assistant II
Sean P. Day	International Admissions Specialist	Jessica L. Neideffer	Library Technician
Joseph A. Dazhan	Security Officer	Phat Minh Nguyen Le	Senior Administrative Assistant
Ana M. Del Aguila	Early Childhood Development Professional Development Coordinator	Miki Okada	Laboratory Technician, Biology/Chemistry
Stella M. Del Rosario	Senior Instructional Assistant, English	Carmen M. Ortiz	Early Childhood Specialist
Frances M. DeNisco	Program Coordinator Community Ed	Maria E. Pena-Bradford	Admissions and Records Assistant II
Danielle R. Donohoe	Counselor Assistant II	Lydia E. Penafior	Financial Aid Advisor II
Timothy J. Druley	Webmaster	Alisha J. Perdue	Senior Administrative Assistant
William S. Eddy	Physical Ed/Athletics Assistant	Samantha Isabelle Portea	Laboratory Technician
Carol J. Edson	Laboratory Technician II	Sean I. Prather	Security Supervisor
Virginia F. Edwards	Library Technician	Teresita C. Rabon	Telephone Operator/Receptionist
Jennifer L. Farber	Instructional Assistant II	Donna G. Reed	Assessment Specialist
Starlynn L. Ferguson	Student Records Evaluator	Amy Rel	Financial Aid Advisor II
Rhiannon I. Follenfant	Laboratory Technician, Biology and Chemistry	Mike J. Rinaldi	Technical Theater-Performing Arts Instructional Specialist
Michael T. Furuyama	Computer/Network Support Specialist II	Cindy M. Robinson	Counselor Assistant I
Megan C. Garcia	Instructional Assistant	J. David Rodriguez	Research Analyst
Hakim Ghiassy	Security Officer	Thomas D. Rothman	Admissions and Records Assistant I
Stephen J. Gunderson	Senior Instructional Network Systems Specialist	Celestine L. Rowe-Smith	Senior Counselor Assistant
Mary E. Hargiss	Administrative Assistant II	Loida C. Sarcia	Library Technician
Kathy J. Harris	Senior Administrative Assistant	Jocelyn M. Santos	Student Records Evaluator
Alesia High	Accounting Technician	Hermiona Sarkis-Kelly	Instructional Assistant II
Christine E Hornbaker	Stage Technician	Andi P. Schreiberman	Financial Aid Officer
Ralitsa K. Ivanova Olsson	Senior Administrative Assistant	Carolyn Y. Scott	Executive Assistant, Vice President Academic Services
Jamila Jabbar-Mahmood	Financial Aid Advisor II	Rifka J. Several	Senior Administrative Assistant
Gregory S. Johns	Instructional Computer Lab Specialist	Todd A. Steffan	Veterans Program Coordinator
Amanda Ingold	Program Coordinator – CalWORKs	Michael S. Sugi	Security Officer
Larysa V. Karpylovyeh	Instructional Assistant II	Wais Sultan	Security Officer
Diana N. Kleinschmidt	Library Services Specialist	Yueh-Jen T. Sun	Senior Instructional Assistant, Math
Natasha R. Lang	College Admin Services Officer	Terrance M. Thompson	Workability III Employment Dev
		Marcus W. Thompson	Instructional Assistant II

Julie C. Thornburg	Executive Assistant, Vice President Student Services
Virginia M. Tsubamoto	Early Childhood Specialist
Heidi Ulrech-Bedker	Telecommunications Coordinator
Daysi A. Valle	Financial Aid Systems Coordinator
Scott A. Vigallon	Instructional Technology/Open Learning Coordinator
Jared T. Watanabe	Physical Education/Athletics Assistant
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
Megan Zhang	Instructional Assistant, Math

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 II
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
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Las Positas College Bookstore

Nolan Howe	Manager
Rachel Harvey	Course Materials Manager

Las Positas College Health Center

Dayna Barbero	Director Health and Wellness Services, Nurse Practitioner
Monica Clifford	Medical Assistant
Jamime Gano	Health and Wellness Services Program Assistant
Heike Gecox MFT	Mental Health Clinical Supervisor
Monica Clifford	Medical Assistant

ADVISORY BOARDS

Administration of Justice

Keith Graves	Livermore Police Department
Michael Harris	Livermore Police Department
Jenna Hazelwood	Alameda County Sheriff's Office
Nan Ho	Las Positas College
Howard Jacobson	ACSO Regional Training Center
Dave Lang	Tri-Valley ROP
Mike McQuiston	Albany Police Department
James Meehan	Alameda County District Attorney's Office
Michael Norton	Alameda County Sheriff's Office
Timothy Rien	Attorney
Kathy Ryals	Alameda County Public Defender's Office
Tara Russell	Alameda County Sheriff's Office
Vicki Shipman	Las Positas College
David Spiller	Pleasanton Police Department
Gena Steward	Las Positas College
Mark Tarte	Las Positas College
Jack Tucker	Alameda County Sheriff's Office

Automotive Technology

Sam Balanon	Livermore Auto Mall
Don Carlson	Las Positas College
Patrick Chand	CCC Foundation

Don Danner	Granada High School
Thomas Duvall	Snap On Tools
Jeff Gill	Gil's Body Works
Brian Hagopian	Las Positas College
Sebastian Hood	Las Positas College, Student
Dean Johnson	Napa Auto Parts
Terry Johnson	Las Positas College
Carl Kuo	R&C Auto Service
Brian McKee	Hunter Engineering
Heather Morelli	TriVally ROP
Bob Paredes	Snap-On Tools
Jeff Pawlowski	Allen's Automotive & Towing
Skot Randall	Tri-Valley ROP
Darren Rees	Castro Valley Adult School
Louis Rodriguez	Dublin Hyundai
George Romero	Tri-Valley Auto Body
Vicki Shipman	Las Positas College
Larry Weiss	Castro Valley Adult School
James Weston	Las Positas College
Ed Woodworth	Tri-Valley ROP

Biology

Monica Borucki	Lawrence Livermore National Laboratory
Dave Brekke	Sandia National Laboratory
Jill Carbone	Las Positas College
Claudia Echeverria	Las Positas College
Nicolas Heredia	BioRad
Nan Ho	Las Positas College
Dianna Maar	Bio-Rad
Josie Sette	Ohlone College
Vicki Shipman	Las Positas College
Michael Thelen	Lawrence Livermore National Laboratory
Camille Troup	Nanostrings Technology
Victoria Vandernoot	Sandia National Laboratory
Beth Vitalis	Lawrence Livermore National Laboratory
Barbara Zingg	Las Positas College

Business Studies

Erick Bell	Las Positas College
Annette Caneda	San Francisco State University
Rajeev Chopra	Las Positas College

Theresa De La Vega	City of Livermore
Nadine Horner	Lawrence Livermore National Laboratory
Anne Kennedy	Las Positas College
Steve Lanza	LAM Research
Mary Lauffer	
Amir Law	Las Positas College
Allison Piwowarski	Student
Kristin Pollard	Comcast Cable
Lecia Roundtree	The Wine Group
John Sensiba	Sensiba San Filippo
Vicki Shipman	Las Positas College
Lisa Taylor Weaver	Las Positas College

Computer Studies

Miguel Baez	Granada High School
Tim Berg	Sandia National Laboratory - Community Relations
Don Carlson	Las Positas College
Tom Curl	Livermore High School
Moh Daoud	Las Positas College
Debbie Fields	Las Positas College
Richard Grotegut	CCCCO/BACCC
LaVaughn Hart	Las Positas College
Donald Hester	Las Positas College
Bill Komenetsky	Las Positas College
Sue Marlais	Lawrence Livermore National Laboratory
Jaime Pirnie	QA Freelance Professional
Colin Schatz	Las Positas College
Vicki Shipman	Las Positas College
Mark Tanis	California Business Technology

Digital Media/ Graphic Design

Eric Berendt	Las Positas College
Tom Bosch	PureRED
Meg Epperly	Lawrence Livermore National Laboratory
Michael Jay	Las Positas College, Laney College
Peter Kuo	Las Positas College
Chris Meyer	Tri-Valley ROP, Dublin High School
Robin Roth	Freelance Graphic Designer
Vicki Shipman	Las Positas College
Sonny Thomas	PureRed

Disabled Student Programs and Services

Jacqui Barker	Pleasanton Unified School District
James Gioia	Las Positas College
Gina Gourley	Pleasanton Unified School District
Leslie Gravino	Las Positas College
Brian Owyong	Las Positas College
Kimberly Tomlinson	Las Positas College
Terrence Thompson	Las Positas College

Early Childhood Development

Neva Bandelow	First 5 Alameda County
Nancy Blair	Livermore Area Recreation & Park District
Sheryl Common	Early Years Children's Center
Barbara Correia	Foothill High School
Becky Egler	Livermore Area Recreation & Park District
Jackie Fitzgerald	Las Positas College
Regina Garcia	CAPE, Inc
Linda Guthrie	Las Positas College
Kathie Hammer	John Knox Co-op Preschool
Debbie Harvey	Amador High School
Sarah Holtzclaw	Tri-Valley OneStop
Becky Hopkins	Gingerbread Preschool
Anna Lisa Hutchinson	Tri-Valley ROP
Janice Inman	Livermore High School
Barbara Kraybill	Livermore Area Recreation & Park District
Anne Loyola	Foster & Kinship Care Education
Diana McGregor	Chabot College
Jennifer Montgomery	Holy Cross Preschool
Laura Reno	LLNL Children's Center
Zina Rosen-Simon	Las Positas College
Christy Samson	Child Care Links
Dawn Scanlon	Livermore ROP
Jamie Smith	Amador High School
Penna Steele	Sonshine Enrichment Center Preschool
Nadiyah Taylor	Las Positas College
Christine Tibbetts	Pleasanton Unified School District
Christie Verarde	Las Positas College
Jeanne Virgilio	Las Positas College
Catherine Wolfe	Granada High School

Engineering Technology

Charlie Ababseh	Gillig
Anita Behnke	National Security Technologies
Tim Briggs	Sandia National Laboratories
Tamia Brown	Alameda County Workforce Development Board
Shannon Collier	TopCon
Tri Do	Lam Research
Melanie Harris	MDC Vacuum
Nan Ho	Las Positas College
Sarah Holtzclaw	TriValley One Stop
Sean Ireland	AccSys Technology
James Kaschmitter	SpectraPower
Keith Level	Las Positas College
Gary R. Martin	University of Pacific School of Engineering & Computer Science
Steve McCain	TopCon
Ryan Mills	Lam Research
Scott Miner	Las Positas College
Saeid Motavalli	CSU East Bay, Department of Engineering
Daniel Ng	Lam Research
Yoko Parker	AccSys Technology
Randy Pico	Lawrence Livermore National Laboratory
Robin Rehagen	Las Positas College
Vicki Shipman	Las Positas College
Ray Souza	Lawrence Livermore National Laboratory
Todd Steffan	Las Positas College
Spencer Wass	MDC Vacuum
Kelsey Wat	Las Positas College
Alec Willis	Sandia National Labs, Retired

Extended Opportunity Programs and Services

Miguel Alvarez	Las Positas College
Jesus Bravo-Morales	Las Positas College
Melissa Brown	Las Positas College
Amanda Ingold	Las Positas College
Natasha Lang	Las Positas College
Louise Martinez	CSU East Bay
Jill Oliveira	Las Positas College
Amy Rel	Las Positas College
Sylvia Rodriguez	Las Positas College
Michael Schwarz	Las Positas College

Todd Steffan	Las Positas College
Christina Tinsley	Transfer Alliance Project
Michelle Zapata	Las Positas College

Emergency Medical Services

Shawnay Carroll	Las Positas College, Student
Mary K. Dunn	Stanford Health Care, Valley Care
Neal Ely	Las Positas College
Nan Ho	Las Positas College
Julie Haslam	Paramedics Plus
Gene Hern	Alameda County Medical Center
Kareen Knowles	Kaiser
Donna Koon	Stanford Health Care, Valley Care
John McPartland	Oakland Fire Department
Lucia Miller	Community Member
Mike Miller	Livermore-Pleasanton Fire Department
Jane Moorhead	Las Positas College
Vicki Shipman	Las Positas College
Lucas Sison	Las Positas College, Graduate
Sebastian Wong	Las Positas College

Fire Service Technology

Lori Jean Adkins	Las Positas College
Jim Call	Alameda County Fire Department
Terry Carey	Alameda County Fire Department
Chris Eberle	San Ramon Valley Fire Department
Neal Ely	Las Positas College
George Freelen III	Oakland Fire Department
Zel Helstrom	Las Positas College
Ronald Johansen	Las Positas College
Nan Ho	Las Positas College
Tim Kordes	Livermore-Pleasanton Fire Department
Derek Krause	San Ramon Valley Fire Department
Jeff Peters	Livermore-Pleasanton Fire Department
David Rocha	Alameda County Fire Department
Joe Rodondi	Livermore-Pleasanton Fire Department
Vicki Shipman	Las Positas College
Joe Testa	Livermore-Pleasanton Fire Department
John Torres	Las Positas College
David Waters	Las Positas College
John Walsh	Alameda County Fire Department
Jeff Zolfarelli	Las Positas College

Horticulture

Gina Bonanna	Community Member
Tyler Coen	Golden State Garden Concepts
Tom Fuller	Las Positas College
Carole Frost	Las Positas College
Nan Ho	Las Positas College
Lynn Monica	Sun Flower Hill
Maryln Moore	Granada High School
Victor Ruesga	Vision Scapes
Micahel Soares	BrightView Landscape Services
Jacquie Williams-Courtright	Alden Lane

Interior Design

Susan Duthie	Castle Comforts
Veronica Fenchel	The Design Place
Melanie Hannigan	Shea Design Studio
Sarah Holtzclaw	TriValley One Stop
Jill Hornbeck	Las Positas College
Anne Kennedy	Las Positas College
Karin King	King Designs
Rita Lezama	RL Design
Melissa Martinez	Feifers Interiors
Vicki Shipman	Las Positas College
Kelly Tivey	Kelly Tivey Interiors
Michelle Webber	Livermore High School

Mass Communications

Gina Channel-Allen	Pleasanton Weekly
Trish Bell	Radio Personality
Jeff Bennett	Consultant
Sarah Holtzclaw	TriValley One Stop
Melissa Korber	Las Positas College
Les Mahler	Journalist
C.J. Peterson	Las Positas College
Stacy Rollo	Q Communications
Vicki Shipman	Las Positas College
Melissa Tench-Stevens	TV 30
Marcus Thompson	Las Positas College

Music Technology

Ian Brekke	Las Positas College
Diana Cefalo	Las Positas College, Piano Instructor
Ken Cafalo	Las Positas College, Main Street Music

Brad Davis	Sound Engineer
Timothy Devine	Las Positas College, Freelance Musician
Philip Didlake	Rhythmic Innovation
Jim Douglas	Prime Time Entertainment
Jenny Madrigal	Rhythmic Innovation
Daniel Marschak	Las Positas College
Cindy Rosefeld	Las Positas College
Omri Shimron	CSU East Bay

Jason Craighead	Las Positas College
Sarah Holtzclaw	TriValley OneStop
Amir Law	Las Positas College
Anela Le Cara	Sports Plus Bay Area
Jeff Roberts	Ohlone Colleg
Paul Sapsford	Las Positas College
Vicki Shipman	Las Positas College
Chris Warden	Ohlone College

Occupational Safety & Health

Jon Anacker	ABM Janitorial Services
Phillip Broughton	Las Positas College
Teri Donat	Las Positas College
Julia Dozier	Chabot-Las Positas CC District
Cari Elofsen	OSHA Training Center, CLPCCD
Robert Jasinski	LiftSafe, Inc.
James S. Johnson	JSJ and Associates
Gregory E. Jones	Lawrence Livermore National Laboratory
Nan Ho	Las Positas College
Sarah Holtzclaw	TriValley One Stop
Steve McConnell	Las Positas College
Steve Motzko, CSP	Simpson Strong Tie
Tan Matosian	Cal-OSHA
Alvin Oey	Guitard Chocolate Company
Kathleen L. Shingleton	Lawrence Livermore National Laboratory
Vicki Shipman	Las Positas College

Photography

Jason Anaya	Anaya Photography
Deb Bailey	Granada High School
Lucciana Caselli	Las Positas College
Sarah Holtzclaw	Tri-Velly OneStop
Deanna Horvath	Las Positas College
Chris Meyer	Tri-Valley ROP, Dublin High School
Jonathon Miller	Photographer
Vicki Shipman	Las Positas College
Stephanie Taylor	Las Positas College
Bijan Yashar	Las Positas College

Sports Medicine

David Bell	Bell Sports Medicine
Josh Bruce	Sports Plus Bay Area

Technical Theater

Peet Cocke	Las Positas College
Ed Estrada	Bankhead Theater/Livermore Performing Arts
Carol Hovey	Tri-Valley Repertory Theater / Livermore High School
Titian Lish	Las Positas College
Jill MacLean	Las Positas College
Mike Rinaldi	Las Positas College, Northern Lights
Bonnie Schmidt	Livermore Valley Opera
Vicki Shipman	Las Positas College
Lisa Tromovitch	Livermore Shakespeare Festival

Transfer

Jill Carbone	Las Positas College
Melanie David	University of California, Davis
Frances Fon	Chabot College
James Gioia	Las Positas College
Michelle Gonzales	Las Positas College
Marina Lira	Las Positas College
Louise Martinez	California State University, East Bay
Angelica Moore	St. Mary's College
Jill Oliveira	Las Positas College
Cindy Rosefield	Las Positas College
Rajinder Samra	Las Positas College
Michael Schwarz	Las Positas College
Rafael Valle	Las Positas College
Deborah Walker	Amador Valley High School
Kristine Woods	Las Positas College
Michelle Zapata	Las Positas College

Viticulture and Winery Technology

Josefina Bolufer	Las Positas College
Jessica Carroll	Big White House Winery

Chris Chandler	Livermore Valley Winegrowers Association
Collin Cranor	Nottingham Cellars
David Everett	Las Positas College
David Hendrickson	Occasio Winery
Nan Ho	Las Positas College
David Kent	Darcie Kent Vineyards
John Kinney	Occasio Winery
Lisa Maier	Las Positas Vineyards
Vicki Shipman	Las Positas College
Karl Wentz	Wente Vineyards

Welding Technology

Ian Abel	Independent Welder
Gil Badilla	Pleasanton Steel & Supply
Neil Carey	Las Positas College
Don Carlson	Las Positas College
Don Danner	Granada High School
Balbir Gakhal	Las Positas College
Mark Harrill	Allianz Welding Supply
Bill Johnson	Turner Construction Company
Steve Jones	Mike Meier Inc.
Joe McNealy	Livermore High School
Scott Miner	Las Positas College
Patrick Pickernill	Peridot Precision Manufacturing
Raul Poblete	Carpenters Training Committee
Kerry Shatell	PG&E
Vicki Shipman	Las Positas College
Todd Stinn	Las Positas College
Ed Woodworth	Livermore High School

LAS POSITAS COLLEGE FOUNDATION

Board Officers

Marti Sutton, Chair
Community Leader

Stephanie Beasley, Immediate Past Chair
Economic Development Officer
Sandia National Labs

Lori Souza, Vice Chair – Events
LLNL Executive - Retired

Eduardo Salaz, Vice Chair - Development

Jim Ott, Ed.D., Treasurer
FOUNDING MEMBER

English Department Faculty

Barry A Russell, PhD, Secretary
President

Board Members

Jim Bono, Special Assistant, Innovative Communications, Lawrence Livermore National Laboratories

Ralph Kokka, Attorney at Law, Patton & Sullivan LLP

Kareem Knowles, Kaiser Permanente, Pleasanton Medical Offices

Donald Lancaster, Lancaster Law Group

Amrita Natt, District Manager, Wells Fargo Bank

Lecia Roundtree, HR Business Partner, The Wine Group

Lynn Seppala, PhD, FOUNDING MEMBER

Honorary Board Members

Dublin

Leslie Boozer, PhD Superintendent of Schools, Dublin School District

David Haubert, Mayor, City of Dublin

VACANT, President & CEO, Chamber of Commerce

Livermore

John Marchand, Mayor, City of Livermore

Kelly Bowers, Superintendent, Livermore Valley Joint Unified School District

Darcie Kent, Darcie Kent Vineyards

Marc Roberts, City Manager

Dale Eldridge Kaye, Interim President & CEO, Chamber of Commerce

Christine Wentz, Wente Vineyards

Pleasanton

Jill Buck, Founder, Go Green Initiative Association

Rev. Ronald D. Culmer, Rector, St. Clare's Episcopal Church

Nelson Fialho, City Manager

Jim Hansen, Interim Superintendent, Pleasanton Unified School District

Deborah Acosta McKeehan, Community Consultant

Scott Raty, President/CEO, Chamber of Commerce

Jerry Thorne, Mayor, City of Pleasanton

Other

Honorable Catherine Baker, Member of Assembly, 16th District,
California

Honorable John Garamendi, Member of Congress, 3rd District,
California

Scott Haggerty, Supervisor, Alameda County Board of Supervisors

Karen Halliday, President Emeritus, Las Positas College

Nate Miley, Supervisor, Alameda County Board of Supervisors

Honorable Eric Swalwell, Member of Congress, 15th District,
California

Staff

Kenneth G. Cooper
Executive Officer
Las Positas College Foundation

Rifka Several
Senior Administrative Assistant
Las Positas College Foundation

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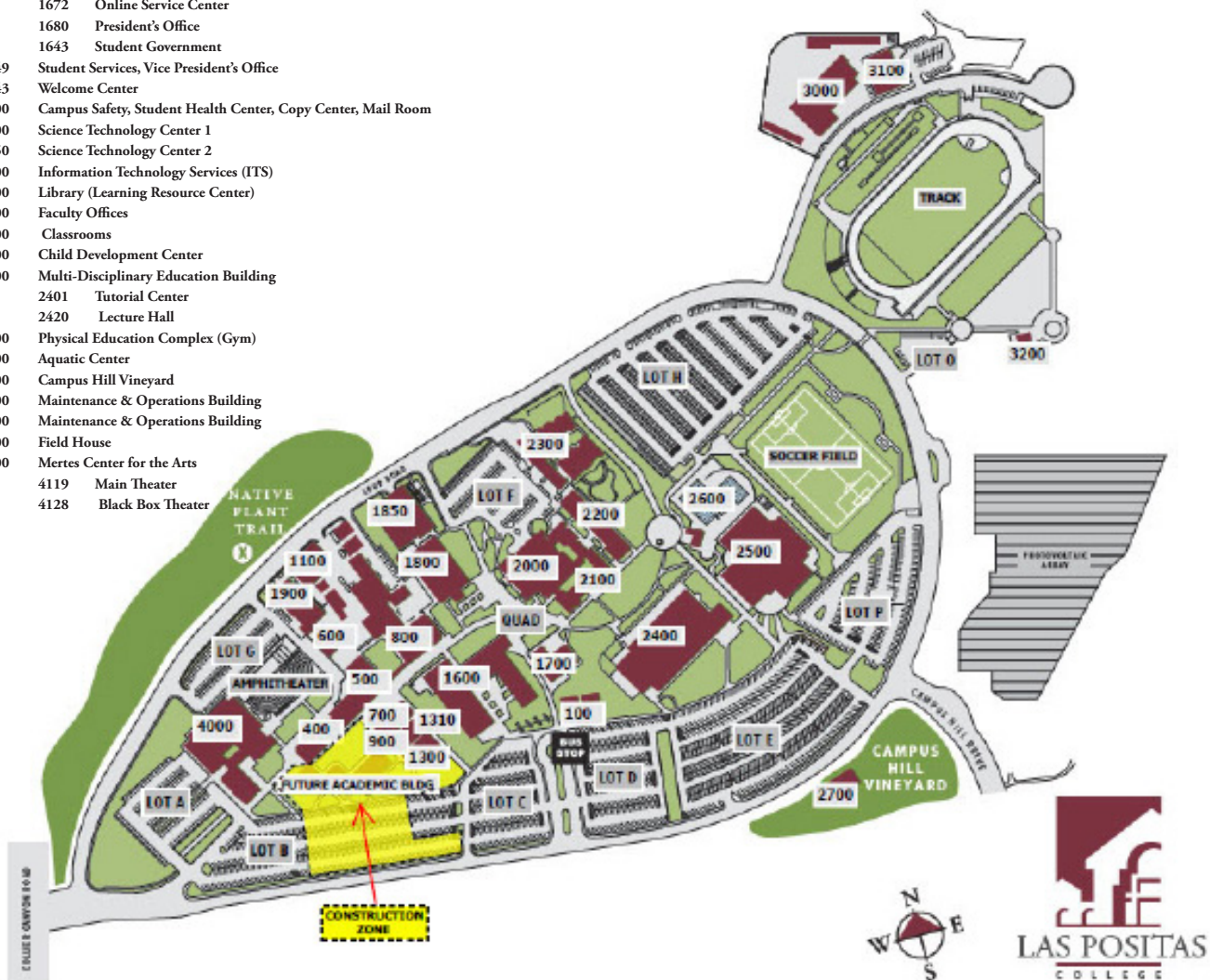
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LAS POSITAS COLLEGE CAMPUS MAP

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, 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
- 900 Classroom
- 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, CaWORKs
 - 1650 Financial Aid
 - 1658 International Student Program
 - 1672 Online Service Center
 - 1680 President's Office
 - 1643 Student Government
- 1649 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





LAS POSITAS

C O L L E G E

**3000 CAMPUS HILL DRIVE
LIVERMORE, CA 94551**

925.424.1000

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