A Message from Dr. Otto Lee, President of Los Angeles Harbor College

65 Years of Educational Opportunity to Our Community

Welcome to Los Angeles Harbor College, the college of choice for Harbor area residents for 65 years. Harbor College is known for the superb teaching and personalized attention that we offer students. As you read through this catalog, you will see that Harbor College offers a broad range of programs geared toward helping students prepare themselves for life in the 21st Century. We are proud of our faculty and staff who care about each and every student – and our rigorous academic programs. Our students transfer to UCLA, USC, Cal State Dominguez Hills and other colleges both within and outside California.

From the moment you step on our campus, we offer a variety of programs and services to help you achieve your goals. From the Counseling Office, Transfer Center, Learning Skills Center, to the Veterans Center, Financial Aid, as well as numerous workshops, our staff will assist you in making your learning experience here a success. We also offer numerous co-curricular student activities that will enrich your experience here at Harbor College including our excellent athletics program that boasts several state championships in several different sports, several student clubs that reflect a wide diversity of interests, and our Associated Students Organization (ASO) emphasizing student participation in campus and off-campus activities. ASO offers an unparalleled opportunity to expand your leadership skills through participation in the ASO Senate and/or on the ASO Executive Board as well as advocacy at the local, state, and federal levels addressing issues that affect students.

Thanks to California voters, this is an exciting time for Harbor College as we enter the final phase of the implementation of Propositions A and AA and Measure J – the bond programs responsible for several new buildings on our campus including our new Library Learning Resource Center (LLRC) and Science Complex that opened during the 2013-2014 academic year.

Again, welcome to Harbor College. We look forward to serving you.

Remember, Education Changes Everything

Library / Learning Resource Center (LLRC) - Grand Opening - Spring 2013

Science Complex - Grand Opening - Spring 2013
LOS ANGELES HARBOR COLLEGE

Items in blue represent corrections or revisions made since the publication of the print edition. Effective dates refer to approved revisions. All other changes are corrections effective at the time of publication. Last update: 10/13/2016

2014 - 2016 General Catalog

Los Angeles Harbor College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges.
Equal Opportunity Policy

The Los Angeles Community College District is committed to the philosophy of equal opportunity/equal access in all its employment, educational programs and services. Thus, we are firmly committed to a policy of nondiscrimination on the basis of race, color, national origin, ancestry, religion, creed, sex, age, handicap, marital status, sexual orientation, or veteran status in our employment or educational programs and activities.

Equal Opportunity Policy Compliance Procedure

In order to insure equal opportunity policy compliance at Los Angeles Harbor College, please direct inquiries to LACCD, Office of Affirmative Action, at (213) 891-2000, x2315 for complaints regarding Affirmative Action Discrimination, Sexual Harassment, Sex Equity, Americans with Disabilities Compliance, student grievances, and student, faculty and staff dispute resolution.

For Equal Opportunity Compliance of Title IX, Section 504, see Amarylles Hall, Director, Special Programs and Services at Los Angeles Harbor College, (310) 233-4621.

Programa en Relacion Con la Igualdad de Oportunidades

El Distrito de "Community Colleges" de Los Angeles está comprometido a la filosofía de igualdad de oportunidad e igualdad de acceso en todos los empleos, programas educativos y servicios. Mantenemos una posición firmemente comprometida a una política de no discriminación por motivos de raza, color, abolengo, origen, credo religioso, sexo, edad, preferencia sexual, incapacitación física, estado civil, o por ser veterano de guerra en nuestros empleos, actividades y programas educativos.

Politica de Acuerdo Con Los Procedimientos, de Igualdad de Oportunidades

Para poder asegurar igualdad de oportunidades en Los Angeles Harbor College, por favor dirija sus preguntas a las siguientes personas a la oficina del Distrito de Acción Afirmativa, teléfono (213) 891-2000 x 2315.

A la filosofía de igualdad de oportunidad e igualdad Title IX, Section 504: Amarylles Hall, Coordinador del programa de personas incapacitadas en Los Angeles Harbor College, (310) 233-4621.

Acknowledgments

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Cover Photo Courtesy of Lori Minor
## CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>College History and Mission</td>
<td>4</td>
</tr>
<tr>
<td>Accreditation</td>
<td>4</td>
</tr>
<tr>
<td>Mission Statement of the LACCD</td>
<td>4</td>
</tr>
<tr>
<td>History of LAHC</td>
<td>4</td>
</tr>
<tr>
<td>Mission Statement</td>
<td>4</td>
</tr>
<tr>
<td>Functions of the Community Colleges</td>
<td>5</td>
</tr>
<tr>
<td>Achieving the Dream</td>
<td>6</td>
</tr>
<tr>
<td>Harbor College Facts</td>
<td>6</td>
</tr>
<tr>
<td><strong>District Policies and Procedures</strong></td>
<td>7</td>
</tr>
<tr>
<td>Admission and Matriculation</td>
<td>12</td>
</tr>
<tr>
<td>Admission Eligibility</td>
<td>12</td>
</tr>
<tr>
<td>Enrollment Process</td>
<td>12</td>
</tr>
<tr>
<td>Enrollment Fee</td>
<td>15</td>
</tr>
<tr>
<td>Residency Requirements</td>
<td>16</td>
</tr>
<tr>
<td>International Students</td>
<td>17</td>
</tr>
<tr>
<td><strong>Student Services and Financial Aid</strong></td>
<td>22</td>
</tr>
<tr>
<td>Student Services</td>
<td>22</td>
</tr>
<tr>
<td>Financial Aid</td>
<td>29</td>
</tr>
<tr>
<td>Scholarships</td>
<td>32</td>
</tr>
<tr>
<td><strong>Student Activities</strong></td>
<td>36</td>
</tr>
<tr>
<td>Associated Students</td>
<td>36</td>
</tr>
<tr>
<td>College Organizations</td>
<td>37</td>
</tr>
<tr>
<td><strong>Academic Standards and Challenge Procedures</strong></td>
<td>38</td>
</tr>
<tr>
<td>Academic Honors</td>
<td>38</td>
</tr>
<tr>
<td>Academic and Progress Probation</td>
<td>39</td>
</tr>
<tr>
<td>Attendance</td>
<td>39</td>
</tr>
<tr>
<td>Course Repetition</td>
<td>39</td>
</tr>
<tr>
<td>Dismissal</td>
<td>39</td>
</tr>
<tr>
<td>Final Examinations</td>
<td>40</td>
</tr>
<tr>
<td>Prerequisites</td>
<td>41</td>
</tr>
<tr>
<td>Special Credit</td>
<td>41</td>
</tr>
<tr>
<td>Study Load Limitations</td>
<td>43</td>
</tr>
<tr>
<td>Transcripts</td>
<td>45</td>
</tr>
<tr>
<td><strong>Instructional Programs and Alternatives</strong></td>
<td>46</td>
</tr>
<tr>
<td>Evening and Outreach</td>
<td>47</td>
</tr>
<tr>
<td>Extension Program</td>
<td>47</td>
</tr>
<tr>
<td>CALWORKS/GAIN</td>
<td>47</td>
</tr>
<tr>
<td>International Education Program Study Abroad Classes</td>
<td>47</td>
</tr>
<tr>
<td>Instructional Television (ITV)</td>
<td>48</td>
</tr>
<tr>
<td>PACE Program for Accelerated Education</td>
<td>48</td>
</tr>
<tr>
<td>Honors Transfer Program</td>
<td>48</td>
</tr>
<tr>
<td>Q &amp; A's About College Programs</td>
<td>49</td>
</tr>
<tr>
<td>Division and Program Listing</td>
<td>51</td>
</tr>
<tr>
<td>Associate Degree and Occupational Certificate Programs</td>
<td>52</td>
</tr>
<tr>
<td>General Education Requirements For Transfer</td>
<td>115</td>
</tr>
<tr>
<td>Transfer to California State University (CSU) System</td>
<td>115</td>
</tr>
<tr>
<td>Transfer to University of California (UC) System</td>
<td>116</td>
</tr>
<tr>
<td>Transfer to Independent CA Colleges &amp; Universities</td>
<td>117</td>
</tr>
<tr>
<td>GE Requirements</td>
<td>118-121</td>
</tr>
<tr>
<td>IGETC Information</td>
<td>122-123</td>
</tr>
<tr>
<td>Course Descriptions</td>
<td>124</td>
</tr>
<tr>
<td>Harbor College Presidents</td>
<td>199</td>
</tr>
<tr>
<td>Faculty</td>
<td>199</td>
</tr>
<tr>
<td>Faculty Emeriti</td>
<td>203</td>
</tr>
<tr>
<td>Adjunct Faculty</td>
<td>210</td>
</tr>
<tr>
<td>College Staff</td>
<td>213</td>
</tr>
<tr>
<td>Index for printed catalog</td>
<td>215</td>
</tr>
<tr>
<td><strong>ACADEMIC CALENDARS</strong></td>
<td>216-219</td>
</tr>
<tr>
<td>Campus Map</td>
<td>220</td>
</tr>
<tr>
<td><strong>ADDENDUMS</strong></td>
<td>221-225</td>
</tr>
<tr>
<td>Advanced Placement Credit</td>
<td>221-225</td>
</tr>
</tbody>
</table>

## Accuracy Statement

The Los Angeles Community College District and Los Angeles Harbor College have made every reasonable effort to determine that everything stated in this catalog is accurate. Courses and programs offered, together with other matters contained herein, are subject to change without notice by the Administration of the Los Angeles Community College District or Los Angeles Harbor College for reasons related to student enrollment, level of financial support, or for any reason at the discretion of the District and College Administration. The District and College further reserve the right to add, amend, or repeal any of their rules, regulations, policies and procedures consistent with applicable laws. Any discrepancies between the English and Spanish information in the Catalog is unintentional. The original English version is the official language source of information.

This catalog is subject to revisions and updates after publication. The most accurate information is available on the college website at www.lahc.edu.
ACCREDITATION
Los Angeles Harbor College is a public two-year college providing educational services under the Los Angeles Community College District Board of Trustees. Los Angeles Harbor College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges and is approved under the regulations of the California Community Colleges. The University of California, California State University systems and other colleges and universities give full credit for appropriate courses completed.

MISSION STATEMENT OF THE LACCD
“Changing Lives in a Changing Los Angeles”
In an era of civic renewal, economic change, and cultural revitalization that is unprecedented in the history of Los Angeles, we—the faculty, staff, and administrators of the nine Los Angeles community colleges—dedicate ourselves to the goal of expanding access to educational opportunity across the many, diverse communities that contribute to the greater Los Angeles area.

We serve all Angelenos by providing an unparalleled array of educational offerings, including programs that prepare students for successful careers, for transfer to four-year colleges and universities, for the improvement of essential life and workplace skills, and for civic engagement and life-long learning.

To achieve this mission, we strive to create supportive instructional environments that challenge students to meet rigorous academic standards, to become active, self-directed learners, to develop critical and creative habits of mind, and to develop an abiding appreciation for other peoples and other cultures.

District Guiding Principles
- Access & Opportunity
- Excellence & Innovation
- Student Learning & Success
- Free Inquiry
- The Power of Diversity
- Community Connection
- The Promise of Technology
- Public Accountability

Nondiscrimination Policy. All programs and activities of the Los Angeles Community College District shall be operated in a manner which is free of discrimination on the basis of race, color, national origin, ancestry, religion, creed, sex, pregnancy, marital status, medical condition (cancer-related), sexual orientation, age, disability or veteran status.

HISTORY OF LOS ANGELES HARBOR COLLEGE
In 1941 the Education Committee of the Wilmington Chamber of Commerce petitioned the Los Angeles City Board of Education to establish trade extension classes at Banning High School to meet critical, war-inspired training needs.

Realizing that such trade extension classes would not be a long-range answer to the educational needs of the area, the Education Committee (expanded in 1945 to include representatives from San Pedro and Lomita) called a meeting of representatives of key industries located in the Harbor Area to discuss the need for either a trade or technical school.

After surveys of projected population, property valuation, and employment possibilities, these community leaders indicated a need for such a post-high school institution, and the Education Committee then petitioned the Los Angeles City Board of Education to provide such a school in the area.

Los Angeles Harbor College officially opened in September 1949. The College has grown from an enrollment of 400 students to a current enrollment of approximately 9,000 students including residents from Wilmington, Carson, Harbor City, Lomita, Gardena, Palos Verdes, San Pedro and Torrance.

While still maintaining a technical program, the academic and general education offerings have increased to meet the changing needs of the community.

MISSION STATEMENT
Los Angeles Harbor College promotes access and student success through associate and transfer degrees, certificates, economic and workforce development, and basic skills instruction. Our educational programs and support services meet the needs of diverse communities as measured by campus institutional learning outcomes.

- Degree and Transfer Programs
- Vocational and workforce preparation
- Basic skills instruction
- English as a Second Language
- Credit and noncredit courses for life-long learning
- Contract education including customized corporate training
- Community services
- Support services
- Information literacy

An essential aspect of the mission for the community we serve is to advance economic growth and global competitiveness through education, training, and services that contribute to continuous workforce improvement and civic responsibility.

We are committed to student learning in a supportive
educational environment that recognizes the uniqueness of individuals, provides a center for the cultural enrichment of the community, and seeks dynamic dialogue and reflective evaluation and improvement of the institution through ongoing assessment and evaluation of measurable student learning outcomes.

Goals

1. Learning and Instruction: To offer innovative, state-of-the-art, learner centered instruction in all Harbor College programs to promote effective learning.
2. Student Support & Services: To provide a positive and respectful environment that fosters educational and personal achievement.
3. Participatory Governance: To maintain an environment where students and all college personnel have a voice and an opportunity to participate effectively in governance.
4. Economic Resources: To optimize and be accountable for the responsible use of all financial resources.
5. Partnerships: To collaborate with local and global communities and organizations to enhance opportunities that are beneficial to our students, the college, and its mission.
6. Institutional Environment & Physical Resources: To provide and ensure an aesthetically pleasing, safe and healthful environment conducive to learning.
7. Human Resources & Development: To ensure a campus community that values diversity and promotes and encourages a climate of mutual respect, personal and professional growth, effective communication and teamwork.

Vision

The College vision is to create a personalized, student-centered learning environment dedicated to preparing our community for life’s challenges and opportunities.

Values

Student Success
Excellence
Integrity
A Supportive Environment
Personal and Institutional Accountability
Civic Responsibility

Functions of the Community Colleges

To accomplish the mission of the Los Angeles Community Colleges, Los Angeles Harbor College offers the following types of educational programs:

Transfer. A college transfer program enables the student who completes two years of study to continue upper division (third year) work at accredited four year colleges and universities through careful and continuous articulation with accredited collegiate institutions and high schools.

Occupational. An occupational education program offers the student basic business, technical, and professional curricula to develop skills which can lead to employment, job advancement, certification, or the associate degree.

General Education. A program of general education is comprised of associate degree programs and other planned experiences which develop knowledge, skills, and attitudes necessary for the student to be effective as a person, a family member, a worker, and a citizen, thereby enhancing the quality of life for the individual and for the society-at-large.

Transitional Education. A program of remedial and basic skills education is for students needing preparation for community college level courses and programs; English as a Second Language instruction for immigrants, foreign students and other students with limited English proficiency.

Counseling and Guidance. A counseling and guidance program incorporates academic, career, and personal counseling and assistance in matters of admissions, financial aid, job placement and student activities. This program assists the student in the establishment of educational goals and in the selection and pursuit of a life work compatible with his or her interests, aptitudes, and abilities.

Continuing Education. A program of continuing education is comprised of graded and ungraded classes to provide opportunities for personal and occupational competence that supplement formal full-time college attendance.

Community Services. An extended education program of community services is offered to meet the needs of the community for vocational, recreational, and non-credit courses, community and cultural events, and civic functions. The program is a self-supporting branch of the college completely financed by participant fees.

Joint Programs. Joint programs with business, industry, labor, education, government and other institutions enhance the educational opportunities of program participants, and advance the mission and functions of the District.

International Education. Opportunities to study in foreign countries are available so that the students may better understand other cultures. Students may fulfill certain programs, while studying and traveling in societies different from their own.
Achieving the Dream (AtD) is a nationwide initiative which seeks to identify barriers to student achievement and then implement college-wide strategies for addressing these obstacles. In March 2011, the Los Angeles Community College District (LACCD) joined the Achieving the Dream Initiative to help each campus improve student success. As part of this four-year project, LA Harbor College is one of 30-colleges participating in the 2011-2012 cohort which began working immediately to identify strategies for improving student success, closing achievement gaps, and increasing retention, persistence, and completion rates.

Achieving the Dream’s Goal: Success for more of the nation’s 6.7 million community college students, especially students of color and low-income students.

Success is defined by the rates at which students: 1) Successfully complete remedial or developmental instruction and advance to credit-bearing courses, 2) Enroll in and successfully complete the initial college-level or gateway courses in subjects such as math and English, 3) Complete the courses they take with a grade of “C” or better, 4) Persist from one term to the next, and 5) Earn a certificate or associate degree.

Achieving the Dream, the nation’s most comprehensive community college reform network including more than 150 colleges has been and will continue to make considerable contributions significantly toward the nation’s goal of increasing the number of Americans with a college certificate or degree with marketplace value within the next decade.

In 2014, Los Angeles Harbor College was awarded ATD Leader College status, a designation as one of the nation’s top community colleges awarded for our commitment to improving student success and closing achievement gaps. Our interventions: include Front Door to Success Program, now know at the Harbor Advantage, Math Success and Completion, and Cultural Equity Awareness. For detailed information on LAHC’s participation in ATD, visit http://www.lahc.edu/facultystaff/atd/index.html.

<table>
<thead>
<tr>
<th>HARBOR COLLEGE FACTS</th>
</tr>
</thead>
</table>

**Demographics**, as of FALL 2013

<table>
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<tr>
<th>Gender</th>
<th>No.</th>
<th>Percentage</th>
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<tr>
<td>Male</td>
<td>4173</td>
<td>41%</td>
</tr>
<tr>
<td>Female</td>
<td>5931</td>
<td>59%</td>
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<table>
<thead>
<tr>
<th>Ethnicity</th>
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<tr>
<td>White</td>
<td>1404</td>
<td>14%</td>
</tr>
<tr>
<td>African American</td>
<td>1455</td>
<td>14%</td>
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<tr>
<td>Hispanic</td>
<td>5436</td>
<td>54%</td>
</tr>
<tr>
<td>Asian / Pacific Islander</td>
<td>1657</td>
<td>16%</td>
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<table>
<thead>
<tr>
<th>Age</th>
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<tr>
<td>Concurrent H.S.</td>
<td>1071</td>
<td>11%</td>
</tr>
<tr>
<td>Under 20</td>
<td>2061</td>
<td>20%</td>
</tr>
<tr>
<td>20 - 24</td>
<td>3648</td>
<td>36%</td>
</tr>
<tr>
<td>25 - 34</td>
<td>1940</td>
<td>19%</td>
</tr>
<tr>
<td>35 and over</td>
<td>1394</td>
<td>14%</td>
</tr>
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NOTE: “Unknown” and “Other” ethnic categories are excluded from the count. Credit students only. Figures are based on the percent ages applied to First Census college enrollments.

Retention Rate 84%
**Academic Freedom**

The Board’s policy on academic freedom is contained in Article 4 of the LACCD’s Agreement with the American Federation of Teachers College Guild, which is in effect between July 1, 2008 and June 30, 2011. This article states that, “the Faculty shall have the academic freedom to seek the truth and guarantee freedom of learning to the students.”

**Affirmative Action**

The policy of the Los Angeles Community College District is to implement affirmatively equal opportunity to all qualified employees and applicants for employment without regard to race, color, national origin, ancestry status, religion, creed, sex, pregnancy, age, handicap, marital status, medical condition (cancer related), sexual orientation, or veteran status.

Positive action will be taken to ensure that this policy is followed in all personnel practices, including recruitment, hiring, placement, upgrading, transfer, demotion, treatment during employment, rate of pay or other forms of compensation, selection for training, layoff, or termination. A vigorous Affirmative Action Program will be maintained to ensure appropriate utilization of certain protected groups in specific areas and levels within the district workforce through the implementation of specific result-oriented procedures and activities (Board Rule 101301).

Inquiries regarding Affirmative Action at Los Angeles Harbor College should be directed to LACCD, Office of Affirmative Action, at (213) 891-2000, x 2315.

**Classroom Courtesy**

As approved by the Associated Student Organization and by the Academic Senate, all cell phones and electronic sound-emitting devices shall be turned off at all times during classes. Cell phones and pagers put on vibrate are acceptable, headsets are not.

**College Advisory Committees**

College advisory committees, composed of representatives from business and industry, continually provide information and guidance in regard to occupational program development and trends affecting training and employment.

**Copyright Statement**

Unauthorized distribution of copyrighted material, including unauthorized peer-to-peer file sharing, may subject students to civil and criminal liability. Civil liability for copyright infringement may include payment of monetary damages to the copyright owner. Criminal penalties for copyright infringement may include fines up to $250,000 and imprisonment up to ten years. Students who violate the District’s computing facilities usage policy (LACCD Administrative Regulation B-28) may also be subject to college disciplinary action including but not limited to suspension or expulsion.

**Drug-Free Campus**

In accordance with Section 22 of the Drug-Free Schools and Communities Act of 1989, Los Angeles Harbor College strives to maintain a drug and alcohol free campus for its students and employees. The unlawful manufacture, distribution, dispensation, use of, and possession by students and college employees of illegal, controlled substances or alcohol in all buildings, property, facilities, service areas, or on District business is prohibited (per Board Rules regarding Standards of Conduct, Section 9803.19).

The College maintains a drug and alcohol free awareness policy to inform students and employees about the dangers and health risks of drug and alcohol abuse in the workplace, on the campus and during college sponsored activities.

Students and employees will be informed of the sanction that will be imposed for policy violations and the availability of drug/alcohol counseling, treatment, and rehabilitation assistance. This policy statement serves as the annual notification as required by law.

All students and employees are required to comply with this policy as a condition of their continued student status or employment. Any student or employee violating this policy may be required to participate satisfactorily in a Substance Abuse Rehabilitation Program, and/or may be subject to disciplinary action, up to and including dismissal, or exclusion under applicable District Policies. In addition, an employee convicted of any workplace drug crime, must notify the college Personnel Office within five (5) days of conviction.

**FERPA**

The Family Educational Rights and Privacy Act (FERPA) affords students the following rights with respect to their educational records:

1. **The right to inspect and review the student’s education records which includes discipline records, within 45 days from the date the College receives a request for access.**

Students may submit to the College Admissions Office written requests that identify the specific record(s) they wish to inspect. Within 45 days, the College Admissions Office will make arrangements for access and will notify the student of the time and place where the records may be inspected.

Education records are those records that are directly related to students and are maintained by the College. Students may not inspect education records pertaining to parents’ financial records and certain confidential letters or recommendations.

2. **The right to request an amendment of the student’s educational records which the student believes to be inaccurate, misleading or otherwise in violation of the student’s privacy rights.**
With the exception of grade grievances which are handled through Administrative Regulation E-55, students may ask the College President, or his/her designee to amend a record that they believe is inaccurate, misleading, or in violation of their privacy rights. A student seeking to amend an educational record should write to the College President and clearly identify the part of the record he/she wants changed and specify why it is inaccurate, misleading, or in violation of his/her privacy rights. If the College President, or his designee, decides not to amend the record as requested by the student, the College, in accordance with section 99.21 of the Code of Federal Regulations and section 76232 of the Education Code, will notify the student of the decision and of his/her right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student's educational records, except to the extent that FERPA and California law authorize disclosures without consent.

If a student authorizes the release of his/her education record to a third party, he/she shall provide a dated written consent to the College Admissions Office authorizing said release with a specific list of the information to be released.

Federal and California law authorize certain disclosures of personally identifiable information without a student’s written consent. One such exception is the disclosure of personally identifiable information to school officials with legitimate educational interests. School officials with legitimate educational interests are employees or agents of the Los Angeles Community College District who need to review educational records in order to fulfill their professional responsibilities.

4. The right to restrict disclosure of personally identifiable information that the College has designated as directory information, which may be released without the written consent of the student.

Directory information may be disclosed without a student’s consent unless the student has notified the college that he/she does not want all or portions of the directory information released. To do so, the student must submit the appropriate District form to the College Admissions Office requesting that some or all of the categories of directory information not be released without his/her consent. This form must be submitted in accordance with College policy.

Pursuant to Board Rule 5201.10, the Los Angeles Community College District has designated the following student information as directory information:

(a) the student’s name, city of residence, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most previous educational agency or institution attended by the student;
(b) student employee records may be released in order to comply with collective bargaining agreements;
(c) the names, addresses and telephone numbers of students or former students may be released to the foundation for each college for college-related activities at the discretion of the College President, unless the student or former student has informed the College that such information should not be released. The release of this information is conditioned upon the foundation’s agreement that such information will be released in accordance with District policy and that information will not be released to third parties;
(d) at the discretion of the College President, the names, addresses and telephone numbers of students from the College may be released to heads of private and/or public institutions of higher education, or their designees, for the purpose of providing information to students regarding transfer opportunities to those institutions, unless the student has indicated that such information should not be released. The release of this information will be conditioned upon the institution’s agreement that student privacy rights under federal and state law will be protected and that information will not be released to third parties.

5. 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:
Family Policy Compliance Office U.S. Department of Education
400 Maryland Avenue S.W. Washington, DC 20202-4605

Instructional Materials

Students may be required to provide instructional and other materials required for a credit or noncredit course. Such materials shall be of continuing value to a student outside of the classroom setting and shall not be solely or exclusively available from the District.

Recording Devices

State law in California prohibits the use of any electronic listening or recording device in the classroom without prior consent of the teacher and college administration. Any student who needs to use electronic aids must secure the consent of the instructor. If the instructor agrees to the request, a notice of consent must be forwarded to the Dean of Academic Affairs for approval.

Sexual Harassment Policy

It is the policy of the Los Angeles Community College District to provide an educational, employment and business environment free of unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct or communications constituting sexual harassment, as defined and otherwise prohibited by state and federal statutes. It shall be a violation of this policy for anyone who is authorized to recommend or take personnel or academic actions affecting an employee or student, or who is otherwise authorized to transact business or perform other acts or services on behalf
of the Los Angeles Community College District, to engage in sexual harassment.
Within the educational environment, sexual harassment is prohibited between students, between employees and students, and between non-students and students. Within the work environment, sexual harassment is prohibited between supervisors and employees, between employees, and between non-employees and employees. Copies of the District Sexual Harassment Policy and Procedures may be obtained from the LACCD, Office of Affirmative Action, at (213)891-2000, x 2315.

Smoking Policy
Smoking is not permitted in any classroom or other enclosed facility which any student is required to occupy or which is customarily occupied by nonsmoking students. Smoking is prohibited within 25 feet of any building entrance.

Student I.D. Numbers
Students receive a district wide identification number, which is not their social security number. This student identification number will be used in registration and to identify all records pertaining to the students.

Why you should use your social security number on your admissions application:

To be eligible for financial aid. You will not receive financial aid if you do not submit a social security number.

So your GPA can be submitted to the California Student Aid Commission to determine if you are eligible for a Cal Grant, and

Loan deferments are processed automatically only for students who have provided a social security number.

We, too, are concerned about your privacy. Your SSN will be safeguarded and only available to offices that must have it to assist you. We encourage all students to provide a social security number. If you have any questions, come to the Financial Aid Office in the Student Services & Administration Building (SSA 114). We will be glad to discuss your concerns with you.

Student Discipline Procedures
Community college districts are required by law to adopt standards of student conduct along with applicable penalties for violation (Education Code Section 66300). The Los Angeles Community College District has complied with this requirement by adopting Board Rule 9803, Standards of Student Conduct (See above).

The District has adopted Board Rule 9804, Student Discipline Procedures, to provide uniform procedures to assure due process when a student is charged with a violation of the Standards of Student Conduct. All proceedings held in accordance with these procedures shall relate specifically to an alleged violation of the established Standards of Student Conduct.

These provisions do not apply to grievance procedures, student organization councils and courts, or residence determination and other academic and legal requirements for admission and retention. Disciplinary measures may be taken by the College independently of any charges filed through civil or criminal authorities, or both. Copies of the Student Discipline Procedures are available in the Office of the President.

Standards of Student Conduct
A student enrolling in one of the Los Angeles Community Colleges may rightfully expect that the faculty and administrators will maintain an environment in which there is freedom to learn. This requires that there be appropriate conditions and opportunities in the classroom and on the campus.
As members of the College Community, students should be encouraged to develop the capacity for critical judgment; to engage in sustained and independent search for truth; and to exercise their rights to free inquiry and free speech in a responsible, non-violent manner.
Students shall respect and obey civil and criminal law, and shall be subject to legal penalties for violation of laws of the city, county, state, and nation.
Student conduct in all of the Los Angeles Community Colleges must conform to District and College rules and regulations. Violations of such rules and regulations, for which students are subject to disciplinary action, include, but are not limited to the following:

Board Rule 9803.10. Willful disobedience to directions of College officials acting in the performance of their duties.

Board Rule 9803.11. Violation of College rules and regulations including those concerning student organizations, the use of College facilities, or the time, place, and manner of public expression or distribution of materials.

Board Rule 9803.12. Dishonesty, such as cheating, or knowingly furnishing false information to the Colleges.

Board Rule 9803.13. Unauthorized entry to or use of the College facilities.

Board Rule 9803.14. Forgery, alteration, or misuse of College documents, records or identification.

Board Rule 9803.15. Obstruction or disruption of classes, administration, disciplinary procedures or authorized College activities.

Board Rule 9803.16. Theft of or damage to property belonging to the College, a member of the College Community or a campus visitor.

Board Rule 9803.17. The malicious or willful disturbance of the peace or quiet of any of the Los Angeles Community Colleges by loud or unusual noise or any threat, challenge to fight, fight, or violation of any rules of conduct as set forth in this Article. Any person whose conduct violates this section shall be considered to have interfered with the peaceful conduct of the activities of the college where such acts are committed.
Board Rule 9803.18. Assault or battery, abuse, or any threat of force or violence directed toward any member of the College Community or campus visitor engaged in authorized activities.

Board Rule 9803.19. Any possession of controlled substances which would constitute a violation of Health and Safety Code section 11350 or Business and Professions Code section 4230, any use of controlled substances the possession of which are prohibited by the same, or any possession or use of alcoholic beverages while on any property owned or used by the District or colleges of the District or while participating in any District or college-sponsored function or field trip. “Controlled substances,” as used in this section, include but are not limited to the following drugs and narcotics: opiates, opium and opium derivatives, mescaline, hallucinogenic substances, peyote, marijuana, stimulants and depressants and cocaine.

Board Rule 9803.20. Possession, while on a college campus or at a college-sponsored function, of any object that might be used as a lethal weapon is forbidden all persons except sworn peace officers, police officers and other governmental employees charged with policing responsibilities.

Board Rule 9803.21. Behavior while on a college campus or at a college-sponsored function, inconsistent with the District’s non-discrimination policy, which requires that all programs and activities of the Los Angeles Community College District be operated in a manner which is free of discrimination on the basis of race, color, national origin, ancestry, religion, creed, sex, pregnancy, marital status, sexual orientation, age, handicap or veteran status.

Board Rule 9803.22. Any assemblage of two or more persons to 1) do an unlawful act, or 2) do a lawful act in a violent, boisterous or tumultuous manner.

Board Rule 9803.23. Any agreement between two or more persons to perform illegal acts.

Board Rule 9803.24. A direct or implied expression of intent to inflict physical or mental/emotional harm and/or actions, such as stalking, which a reasonable person would perceive as a threat to personal safety or property. Threats may include verbal statement, written statements, telephone threats or physical threats.

Board Rule 9803.25. Conduct which may be considered disorderly includes; lewd or indecent attire or behavior that disrupts classes or college activities; breach of the peace of the college; aiding, or inciting another person to breach the peace of college premises or functions.

Board Rule 9803.26. Theft or abuse of computer resources including but not limited to: a) Unauthorized entry into a file to use, read, or change the contents, or for any other purpose. b) Unauthorized transfer of a file. c) Unauthorized use of another individual’s identification and password. d) Use of computing facilities to interfere with the work of a student, faculty member or college official, or to alter college or district records. e) Use of unlicensed software. f) Unauthorized copying of software. g) Use of computing facilities to access, send or engage in messages which are obscene, threatening, defamatory, present a clear and present danger, violate a lawful regulation and/or substantially disrupt the orderly operation of a college campus. h) Use of computing facilities to interfere with the regular operation of the college or district computing system.

Board Rule 9803.27. Conduct while present on a college campus or at a location operated and/or controlled by the District or at a District-sponsored event, which is prohibited by local, State, or federal law.

Board Rule 9804. Every person who, by physical force, willfully obstructs, or attempts to obstruct, any student or teacher seeking to attend or instruct classes at any of the campuses or facilities owned, controlled or administered by the Board of Trustees of Los Angeles Community College District, is punishable by a fine not exceeding five hundred dollars ($500) or imprisonment in a county jail not to exceed one year, or by both such fine and imprisonment. As used in this section, “physical force” includes, but is not limited to, use of one’s person, individually or in concert with others, to impede access to or movement within or otherwise to obstruct the students or teachers of the classes to which the premises are devoted.

Board Rule 9805. Every person who attempts to cause, or causes, any officer or employee of the Los Angeles Community Colleges or any public officer or employee to do, or refrain from doing, any act in the performance of his/her duties, by means of a threat to inflict any injury upon any person or property, is guilty of a public offense.

Board Rule 9805.10. Every parent, guardian, or other person who assaults or abuses any instructor employed by the District in the presence or hearing of a community college student or in the presence of other community college personnel or students and at a place which is on District premises or public sidewalks, streets, or other public ways adjacent to school premises, or at some other place where the instructor is required to be in connection with assigned college activities is guilty of a misdemeanor.

Board Rule 9806. Conduct which poses a threat of harm to the individual and/or to others. This includes, but is not limited to, the following types of conduct: Unsafe conduct in connection with a Health Services Program (e.g. Nursing, Dental Hygiene, etc.); failure to follow safety directions of District and/or College staff; willful disregard to safety rules as adopted by the District and/or College; negligent behavior which creates an unsafe environment.

Student Grievance Procedures
The purpose of the Student Grievance Procedure is to provide a prompt and equitable means for resolving student grievances. The procedures enumerated in Administrative Regulation E-55 shall be available to any student or applicant for admission, who believes a College decision or action has adversely affected his or her status, rights, and/or privileges as a student. The procedures shall include, but not be limited to, alleged violations of the provisions of subsection (f) of section 55521...
of Title V which pertain to a discriminatory prerequisite subject to challenge under subsection (d) (3) of section 58106; alleged violations of Title IX of the Higher Education Amendments of 1972 (and applicable regulations), grievances relating to disabled students as defined by Section 504 of the Rehabilitation Act of 1973, grievances relating to sexual harassment as defined in the District’s Sexual Harassment Policy, problems relating to financial aid, and grievances relating to course grades to the extent permitted by Education Code Section 76224(a). Section 76224(a) 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.”

For additional information regarding the procedures for filing a student grievance, or for copies of the adopted Student Grievance Procedures, contact the Office of the President, the Office of Student Services or the College Ombudsperson.

**Student Learning Outcomes**

Los Angeles Harbor College is accredited by the Western Association of Schools and Colleges - Accrediting Commission for Community and Junior Colleges (WASC- ACCJC). As a part of the accreditation process, Los Angeles Harbor College is committed to constant improvement to better serve our students. The college uses many measurements in order to assess student learning, and uses the assessment data in order to improve our student services and academic programs. As we engage in measuring Student Learning Outcomes (SLOs) at multiple levels of learning, it is a fluid and dynamic process. Therefore, we have chosen to include the measurement and assessment data in our online catalog format so that the data is most accurate when you are reading it. You will see links throughout the catalog which will take you to the online report of SLOs for each academic area. You may either type in the website URL, if you are using the printed version of the catalog; or if you are viewing the catalog online, click on the link which will take you directly to the appropriate webpage. You may also contact the college and request a copy of the SLO information you need through the Vice President of Academic Affairs office (for academic programs SLOs); or contact the office of the Vice President of Student Services (for student services area SLOs).

For information on Student Learning Outcomes online, go to http://www.lahc.edu/slo.

**Student Records/Directory Information**

The Los Angeles Community College District, in compliance with Federal and State law, has established policies and procedures governing student records and the control of personally identifiable information. The Los Angeles Community College District recognizes that student records are a confidential matter between the individual student and the College. At the same time the District has a responsibility to fulfill public information needs (i.e., information about students participating in athletics, announcement of scholarships and awards, etc.). To meet this responsibility the District may release Directory Information unless the student states in writing that he or she does not want it released. The responsibility for carrying out these provisions is charged to the College Records Officer, designated by the chief administrative officer on each campus. The Records Officer may be contacted via the Office of Admissions. Copies of Federal and State laws and District policies and procedures are maintained by the Records Officer and are available for inspection and inquiry.

All student records maintained by the various offices and departments of the College, other than those specifically exempted by law, are open to inspection by the student concerned. The accuracy and appropriateness of the records may be challenged in writing to the Records Officer. A student has the right to receive a copy of his or her record, at a cost not to exceed the cost of reproduction. (Requests for transcripts should be made directly to the Office of Admissions).

No student records, other than Directory Information, will be released without the written consent of the student concerned except as authorized by law. A record of persons and organizations requesting or receiving student record information is maintained by the Records Officer. The record is open to inspection only to the student and the community college official or his or her designee responsible for the maintenance of student records.

If you give your permission, the college can release to anyone certain facts about your record, called Directory Information. Directory Information includes the student’s name, city of residence, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous educational agency or institution attended by the student.

In addition, the military and the college foundation are entitled to receive the following student information for recruitment and fund raising purposes: student directory information as defined above, student address, telephone number, date and place of birth, and major field of study.

Directory Information about any student currently attending the College may be released or withheld at the discretion of the Records Officer. You may change your Directory Release at any time by completing a Release of Directory Information form and returning it to the Admissions Office.

No Directory Information will be released regarding any student who has notified the Records Officer in writing that such information shall not be released.

All inquiries regarding student records, Directory Information, and policies for records access, release, and challenge should be directed to the Records Officer via the Office of Admissions. Students have the right to file a complaint with the United States Department of Education concerning alleged violations of Federal and State laws governing student records.

**Summer and Winter Intersessions**

Summer and Winter Intersessions will be offered subject to approval by the Board of Trustees.
ADMISSION AND MATRICULATION

ADMISSION ELIGIBILITY
You are eligible to attend Harbor College if you meet any of the following criteria:

- You have graduated from high school or have successfully passed the California High School Proficiency Examination.
- You are over 18 years of age and are no longer attending high school and are capable of benefiting from the instruction offered.
- You are under 18 years of age and not a high school student, with special permission as a full-time student. Students under 18 and not in high school are considered special permission students and are ineligible for aid.

Concurrent Enrollment at Harbor College and High School
As a high school student you may enroll concurrently at Harbor College. In addition to the application for admission, you must submit a separate Supplemental Application for Students in Grades K-12 form, approved and signed by your high school counselor and your Parent or guardian. Students in less than 9th grade require special processing. Call (310) 233-4021 for details. Concurrent students are given the last priority for registration. Information regarding other eligibility criteria and/or admission procedures is available in the Office of Admissions and Records.

International Students
Students who are not U.S. citizens but live outside of the United States and are interested in coming to the United States to study at Los Angeles Harbor College must apply directly through the Los Angeles Harbor College International Student Office. Application materials are available at the LAHC International Student website at http://www.lahc.edu/studyinlosangeles/. Students living outside of the U.S. who wish to take online classes while living outside the U.S. may file an online application (see Apply Online on the college home page www.lahc.edu).
Students are advised to apply 6-9 months in advance of the semester they wish to begin. Students will be considered for the semester following application processing.

Fall Semester Apply: January through July before the start of term
Spring Semester Apply: May through December before the start of term

PROCEDURES FOR ADMISSION AND REGISTRATION
Apply online on the Harbor College home page at http://www.laccd.edu
Complete all required information on the online application. All information requested on the application must be provided. The applicant must declare under penalty of perjury that all information on the application is correct. All information is subject to verification; falsification or withholding of information shall constitute grounds for dismissal

Student ID Number
Every student will be assigned a student ID number when they apply. Providing your Social Security number is optional. It is only required for students applying for financial aid and/or who will be eligible for student tax credits.

Enrollment Process

NEW STUDENTS

1. Complete Application
To receive the earliest possible registration appointment, apply online at www.lahc.edu.International students must complete their admissions process through the International Students Office. Returning students can also apply online. Concurrent high school students must also bring a completed Concurrent Enrollment for Students in Grades K-12 form to the Admissions Office.

2. Financial Aid
Apply for financial aid online at www.fafsa.gov every year. The Free Application for Federal Student Aid (FAFSA) is available on January 1st of each year. We recommend that the FAFSA be completed and submitted before March 2nd each year to be considered in our priority application deadline. We still encourage students to apply after March 2nd, however funding for other financial aid programs are limited.

3. Assessment
Complete the English or English as a Second Language (ESL) and Mathematics placement process. This process helps place you in classes where you are most likely to succeed. You should complete the assessment process as early as possible. Sample English and Math test questions can be viewed at http://lahc.edu/studentservices/matriculation. Test scores and/or course work from other colleges might be used in place of the LAHC Assessment if accepted by the Assessment Center. Contact the Assessment Center at (310) 233-4072 with any questions.
4. Orientation
Orientation is completed immediately following assessment.

5. Counseling
Make an appointment well in advance of registration. Ask about degree and major requirements. Visit the Transfer Center.

6. Registration
Enroll in classes online at www.lahc.edu. You will be enrolled in the classes of your choice or placed on a waiting list if the class is full and a waiting list space is available. Write down and save your confirmation numbers. You can print your semester schedule if you enroll online.

7. Payment
Payment is due when you register. You may pay with cash, check, or credit card. You may pay online by using a credit card.

8. Student ID Card
Schedule a time to visit the Seahawk Center to take a picture and pick up your student ID.

CONTINUING STUDENTS
You are a continuing student if you were active in classes during either the previous Fall or Spring semester.

1. Registration Materials
Continuing students will receive an email with their priority online registration appointments for registration during the month before finals. Your priority registration appointment is also available on the LAHC website student information system.

2. Financial Aid
Apply for financial aid online at www.fafsa.gov every year. The Free Application for Federal Student Aid (FAFSA) is available on January 1st of each year. We recommend that the FAFSA be completed and submitted before March 2nd each year to be considered in our priority application deadline. If students apply after March 2nd, we still encourage students to apply, however funding for other financial aid programs are limited.

3. Assessment/Prerequisites
You may need to meet certain course prerequisites prior to registration. Check individual course requirements. Sample English and Math test questions can be downloaded at http://lahc.edu/studentservices/matriculation.

Bring proof of prerequisite courses completed at other colleges to the Assessment Center in the Student Services Building. Questions? Call (310) 233-4072

4. Counseling
Make an appointment well in advance of registration. Ask about degree and major requirements. Visit the Transfer Center.

5. Registration
Use your priority registration appointment to register by Internet. Write down and save your confirmation numbers.

6. Payment
Payments are due when you register. You may pay with cash, check, or credit card. You may pay online by using a credit card. A hold will be placed on your record if you do not pay when you register.

IMPORTANT MESSAGE TO ALL APPLICANTS:
Please make sure you submit a valid email address. You will receive a confirmation email once your online application has been submitted. You will receive your student ID number and registration appointment by email in five to ten business days. If you do not receive the emails in your email inbox, please check your spam/junk mail folder.

High School Students
Students who are currently enrolled in high school may apply online. Additionally, you are required to submit a Special Student Attendance Approval Form to the Admissions & Records Office by mail or in person BEFORE you will be allowed to register for classes. The Special Student Attendance Approval Form must be signed by you, your high school counselor and your parent or guardian. We require the original documents and signatures; faxed forms and copies are NOT acceptable. A new Special Student Attendance Approval Form is required every semester for all concurrent students. High school students are limited to 11 units per semester (7 units in Summer Session).

OPEN ENROLLMENT
Unless specifically exempted by law, every course for which State aid is claimed is fully open to any person who has been admitted to the College and who meets the appropriate academic prerequisites. The number of students permitted to enroll in a specific class may be limited by classroom size, available seats, and contractual agreements. Students are encouraged to enroll early.
STUDENT SUCCESS AND SUPPORT PROGRAM - MATRICULATION PROCESS

Every student must participate in the Student Success and Support Program (SSSP) before being allowed to enroll in any course. Students are required by STATE LAW (TITLE 5 SECTION 55530) to attend and complete assessment and testing, orientation and counseling.

The function of SSSP is to ensure that all students complete their college courses, persist to the next academic term, and achieve their educational objectives through the assistance of the student-direct components.

Student Rights and Responsibilities (TITLE 5 SECTION 55530)

- Identify an educational and career goal.
- Diligently engage in course activities and complete assigned coursework.
- Complete courses and maintain progress toward an education goal and completing a course of study.

A Matriculating Student Must:

a. Identify a course of study.
b. Participate in the assessment placement process.
c. Complete an orientation activity provided by the college.
d. Participate in counseling to develop at minimum an abbreviated student educational plan.
e. Complete a Comprehensive Educational Plan by the 3rd semester or after completion of 15 semester units of degree applicable coursework (effective fall 2015).

Failure to complete a, b, c, and d (above) may result in a hold on a student’s registration priority until the services have been completed.

Assessment Placement Process

The Assessment Placement process at LAHC consists of a computerized English and paper/pencil Math assessment tests. Assessment Testing Dates and Appointments are available online at http://lahc.edu/studentservices(matriculation after submitting the LAHC application and receiving a student identification number. Admission application must be submitted and processed prior to participating in the Assessment Placement Process. All new students are required to participate in the Assessment Placement Process in order to receive a registration date. Assessments are offered during the day, evening and scheduled Saturdays in the Student Services and Administration Building (SSA Room 118). For more information, please call the Matriculation/Assessment Office at (310) 233-4078 or visit us online at http://lahc.edu/studentservices(matriculation.

Please be prepared and study for the English and Math assessment as retesting policies are strictly enforced and are subject to change. Preparation materials are available online at http://lahc.edu/studentservices(matriculation and students are encouraged to participate in readiness workshops available through the English and Math Department. Assessment placement results from other California Community Colleges are accepted within the last two years.

Any student with a verified disability may arrange for alternative administration of the Assessment Placement Process (English, Reading, and Mathematics) by contacting the Special Programs and Services (Café 108) at (310) 233-4629 and/or web page http://www.lahc.edu/studentservices(sps/index.html.

Orientation and Counseling

Prior to or after participation in the assessment placement process, students must participate in orientation and an abbreviated student educational plan will be provided. The orientation schedule is available on the Matriculation/Assessment Office web page http://lahc.edu/studentservices(matriculation.

All students should meet with a counselor during the semester to identify a program of study and develop a comprehensive student educational plan. All students who have not declared an educational goal and students who are enrolled in pre-collegiate basic skills courses are highly encouraged to meet with a counselor to develop a student educational plan. Students who are on academic or progress probation are referred to participate in a probation workshop. The Probation Workshop schedule is available at the Counseling Center webpage http://www.lahc.edu/studentservices(counseling/index.html.

SSSP Exemption

At the time of application, all students are classified as exempt or non-exempt from various matriculation components. EXCEPTIONS (TITLE 5 SECTION 55532).

The exemption policy is listed below:

Assessment Exemption Criteria:

1. Students who have already earned an A.A./A.S. degree or higher.
2. Students who have completed assessments or prerequisite courses at other LACCD college.
3. Students who have completed an equivalent English or math course at another college or university.

Note: Students who have completed assessments or prerequisite courses at other colleges should present this documentation for verification to the Counseling Office.
(Verification must be presented before an exemption can be granted).

**Orientation Exemption Criteria:**

1. Students who have already earned an A.A./A.S. degree or higher.
2. Students who have completed assessments or prerequisite courses at other LACCD college.

**Counseling/Advisement Exemption Criteria:**

1. Students who have already earned an A.A./A.S. degree or higher.
2. Students who have completed assessments or prerequisite courses at other LACCD college.

Effective Fall 2014, based on student responses to the Los Angeles Harbor College application for admission, students will be identified as matriculating or non-matriculating, thereby meeting one of the allowable exemption criteria. Students identified as matriculating will be referred to complete the core matriculation services: orientation, assessment placement, and counseling. Students must complete the orientation, assessment placement, and counseling (including an Abbreviated Student Educational Plan) prior to their priority registration date and time. This will ensure that the student receives the highest possible priority registration date available. After registration and sometime during the semester, a comprehensive student educational plan must be completed within a reasonable time period by making an appointment to meet with a counselor. Non-matriculating students are exempt from participating in the core matriculation services, but are advised to access these services if they plan to pursue a degree or certificate program.

**Appeal Loss of Priority Registration**

The enrollment priority appeal process for LAHC will be available to students only during specified periods during the Fall and Spring terms. The annual calendar for registration appointments (established by District) will be referenced to establish an appropriate start date and end date for appeals.

For Fall and Spring registration, students can initiate to appeal their enrollment priority Five (5) weeks prior to the first registration period of the upcoming term but no later than two (2) weeks before the upcoming term registration begins. Refer to the schedule of classes to determine the exact dates.

All enrollment priority appeals should be submitted with supporting documentation at the Admissions Office on a petition form.

The only appeals that will be approved are those for students that have extenuating circumstances. Circumstances that constitute grounds for an appeal are defined as:

1. Verified cases of accidents, illness, or other circumstances beyond the control of the student (e.g. fire, flood, or other extraordinary conditions).
2. Student designating that he/she applied for reasonable accommodation for a disability, but did not receive reasonable accommodation in a timely manner.
3. Significant academic improvement, which is defined as achieving no less than a 2.0 semester grade point average in the prior term for which restoration of enrollment priority is being requested.

Students that have approved appeals would be notified and their registration date will be changed to reflect their new enrollment priority, prior to the first date of registration for the subsequent term. Students whose petitions are denied will be advised of the denial and referred to the Assessment office to complete the enrollment process.

**Enrollment Fee**

For California residents, the fee for community college attendance is $46.00 per unit per semester. There is a mandatory $1.00 Student Representation fee and mandatory Health Fees - $11.00 (Fall and Spring) and $8.00 (Winter and Summer) per semester. Non-resident fees are listed at the end of this section. Additional optional fees include a parking fee of $20.00; members of the Associated Students Organization pay $17.00. Membership in the Associated Students Organization is $10.00 (Fall and Spring) and $5.00 (Winter and Summer).

Students admitted as “Special Part time Students Grades K-12” and enrolling in 11 or fewer units are exempt from enrollment fees charged for all terms (including summer) pursuant to Education Code section 76300.

Fees are correct as of the date of printing the catalog. Changes may be made by the state legislature or the LACCD Board of Trustees any time prior to the start of each semester’s classes.

If at the time of enrollment you are receiving benefits under the Aid to Families with Dependent Children program, the Supplemental Security Income/State Supplementary program, or the General Assistance Program, the enrollment fee may be waived. For information on the procedure for requesting a waiver, contact the Financial Aid Office prior to the date of your enrollment. Financial aid may be available to students who meet the qualification. Students with questions concerning financial aid eligibility should contact the college financial aid
Applications should be submitted as soon as possible.

The Los Angeles Community College District policy exempts the following students from paying the student health fee:

a) Students who depend exclusively on prayer for healing in accordance with the teaching of a bonafide religious sect

b) Students who are attending classes under an approved apprenticeship training program, non-credit education students,

c) Students enrolled in District colleges exclusively at sites where student health services are not provided,

d) Students who are enrolled in District colleges exclusively through Instructional Television or distance education classes,

e) Students who are enrolled in District colleges exclusively through contract education.

Students exempted under the provisions of (b) and (c) above are eligible to receive the services of the college health program; all other exempted students are not eligible to receive the services of the college health program.

Enrollment Fee Assistance
To learn about enrollment fee assistance, go to the Financial Aid section of the catalog or visit the website at http://lahc.edu/studentservices/finaid/index.html

Enrollment Fee Refund Policy
For full-term and short-term classes: The student may receive a full refund for classes dropped by the Last Day to Drop for a Refund as published in the Schedule of Classes. There will be no refunds after that date, unless the student is dropped from a class because it is canceled or rescheduled by the college administration. Before the last day to drop for a refund, the student may drop a course and use the fee to add another class for that particular semester. When in doubt of the exact drop date, check with the Admissions and Records Office. Refunds are not processed automatically and must be requested in person. Refunds cannot be rolled over or applied to future enrollment fees.

Residency Requirements

California Residence Requirements
To attend any of the Los Angeles Community Colleges as a resident of California, a student is required to have been a California resident for more than one year immediately preceding the Residence Determination Date. The “Residence Determination Date” is that day immediately preceding the opening day of instruction of the semester or summer session. Residence is defined as a union of act and intent.

Non-Resident
A non-resident student is one who has not had residence in the State of California for more than one year immediately preceding the Residence Determination Date. Physical presence alone is not sufficient to establish California residency nor is intent when not coupled with continuous physical presence in the State. Certain non-U.S. citizens are permitted to establish residency and certain others are not. Check with the Admissions Office regarding your particular status.

Residency classification is made when the application is accepted. Students may petition for a change of classification before the semester in question or within 30 calendar days of receipt of notification of the residence classification. A student classified as a non-resident will be required to pay non-resident tuition fees as established by the District Board of Trustees.

Non-Resident Fee Waiver (AB540) AB 540 Exemption
On October 12, 2001 the Education Code was modified to exempt certain non-resident students, who attended and graduated from California high schools, from non-resident tuition. This change (Education Code, section 68120.5) does not grant residency; rather it requires that certain non-resident students be exempted from paying non-resident tuition. Students exempted from paying non-resident tuition do not become residents for eligibility purposes for any state-funded program (e.g. EOPS, BOG Fee Waiver). The exemption from non-resident tuition is mandatory; if the District finds that a student meets all requirements in the law, non-resident tuition may not be charged.

The student must meet all of the following eligibility requirements to be eligible for the exemption:

a) The student must have attended a California high school (grades 9 through 12) for three or more years.

b) The student must have graduated from a California high school or attained the equivalent thereof (e.g. GED or high school proficiency exam).

c) Except for nonimmigrant aliens, any non-resident student who meets the requirements contained in “a” and “b” above shall be exempt from non-resident tuition even if he or she is a US citizen or lawful immigrant.
d) Students without lawful immigration status must complete and sign the LACCD EC 68130.5 Non-Resident Tuition Exemption Request form which indicates that the student has applied for legalization or will do so as soon as the student is eligible to do so.

e) Persons who are “nonimmigrant aliens” are not eligible for this exemption. Nonimmigrant alien as defined by federal law, including, but not limited a foreign student (F visa) or exchange visitor (J visa).

Residence Reclassification
Students who have been classified as non-residents must petition to be reclassified as residents before the start of any semester and within 30 calendar days of receipt of notification of the residence classification. Non-resident students applying for reclassification as residents must also show financial independence for the past three years.

The Residence Reclassification form is available online at www.lahc.edu/studentservices/admissrec.html

Residence Appeal
A student may appeal the residence classification determined by the college. The appeal must be made within 30 calendar days of receipt of notification of the residence classification from the Admissions Office. The appeal must be submitted in writing to the college Admissions Officer who will forward it to the District Residency Appeal Officer.

Non-Resident Tuition Fee
In addition to the enrollment fee of $46 per unit, U.S. residents who have not established residence in California also pay a non-resident tuition charge of $193 per unit ($46 + $193 = $249 per unit). Non-U.S. resident students, such as F-1 visa students, are charged an additional $22 per unit capital outlay fee ($46 + $193 + $22 = $261 per unit). The aforementioned fees and tuition charges are current as of 2014-2015, and must be paid at the time of registration. Fees and tuition are subject to change based on California state legislative or LACCD Board of Trustee action.

Non-Resident Tuition Refund
Criteria and Schedule: A non-resident student who formally drops or otherwise separates from part or all of his/her enrollment may request a refund of previously paid non-resident tuition in accordance with the college’s Enrollment Fee Refund Policy. Such request must be made in writing on a form provided by the District. The date used for non-resident refund purposes is the date on which such request is filed and time stamped, regardless of when separation may have occurred. All non-resident refunds will be made by mail.

International Students
The International Student Office at Los Angeles Harbor College welcomes applications from prospective students living overseas who would like to study in the United States and from prospective students currently in the U.S. on F-1, M-1, A, E, G, H, I, K, who would like to study full-time or part-time at the college. Applicants with B visas, who are currently in the U.S., may apply to the college through the International Student Office but cannot attend classes until or unless they are granted a change of status to F-1 (Student Status) by U.S. Citizenship and Immigration Services (USCIS).

Los Angeles Harbor College is approved by USCIS to issue the I-20 “Certificate of Eligibility for Nonimmigrant Student,” form which is the document students present to the U.S. Embassy or Consulate when initially applying for an F-1 or M-1 student visa or to DHS – USCIS for a change of status. (F-1 students are in “academic” programs while M-1 students are in “vocational training” programs. Because of this distinction, virtually all of Los Angeles Harbor College international students receive F-1 visas.) The college admits overseas applicants who have a high school diploma or equivalent, an appropriate level of English proficiency (see section below), and sufficient funds available for the first year’s educational and living expenses, with the expectation that subsequent semesters will also be provided by their sponsors.

Procedures for International Student Admission
For admission to the college as an international student, students must:

1) Complete the LAHC “International Student Application” front and back. (Note: All application materials are available at http://www.lahc.edu/studyinlosangeles.)

2) Provide evidence of English proficiency. A minimum or above score on the following: TOEFL (IBT: 45; CBT: 133; or PBT: 450; IELTS: Band 5.0; iTEP: 4.0; STEPÆiken: Level 2. This requirement may be waived if the student is from an English-language speaking country or if his/her high school instruction was English or if transferring as an F-1 from another U.S. school/college/university.

3) Provide evidence of high school completion. Official transcripts in English must be sent directly from the student’s school(s) to the International Student Office. If transcripts in English cannot be provided, the student’s school can send native language transcripts; the student can then provide a notarized English translation of the document. If student has attended university, copies of university transcripts should also be sent directly to the International Student Office.

4) Sign and submit the “International Student Agreement.”

5) Submit a completed “Affidavit of Support” accompanied by appropriate supporting financial documents. (The appropriate financial documents are documents showing that the sponsor has sufficient funds to cover the first year of the student’s educational and living expenses (currently $20,000).

   a. Types of documents that may be submitted are the sponsor’s personal bank account or
When the application is approved, the International Student Office will issue the student:

1) An official letter of acceptance 
2) An I-20 [Certificate of Eligibility for Nonimmigrant (F-1) Student] 
3) A letter to the U.S. Embassy or Consulate, and instructions on how to apply for a student visa at the U.S. Embassy. 

The student can then apply for an F-1 (Student) Visa. The student may apply for a student visa up to 120 days prior to the report date listed in section 5 of his/her I-20; however, the student will not be permitted to enter the U.S. earlier than 30 days prior to report date.

Application Deadlines
Los Angeles Harbor College has a rolling admissions policy and applications are reviewed when they are received, so students may wish to file an application as early as possible to receive an acceptance decision as soon as possible. Filing early will permit earlier scheduling of visa interviews at a U.S. Embassy or Consulate, especially in countries where there are large numbers of applicants applying for U.S. visas. In any case, all application materials should be received by the college by mid-July for the Fall Semester and by mid-December for the Spring Semester. In certain situations, late applications may be considered and approved.

Call the International Student Office at (310) 233-4111 for clarification.

The Application Review and the Visa Application Process
The application packet is reviewed by the International Student Office. The student will be contacted if specific items are missing from the application packet. No action will be taken unless a complete application is submitted including the application fee.

When the application is approved, the International Student Office issues the student:

1) An official letter of acceptance 
2) An I-20 [Certificate of Eligibility for Nonimmigrant (F-1) Student] 
3) A letter to the U.S. Embassy or Consulate, and instructions on the steps involved for filing your F-1 student visa application.

The student can now apply for an F-1 (Student) Visa. Students may apply for an I-20 up to 120 days before the report date listed in section 5 of their I-20's; however, the student will not be permitted to enter the U.S. earlier than 30 days prior to report date.

To get an F-1 student visa, the applicant must pay the $200.00 SEVIS I-901 processing fee at www.fmjfee.com. The SEVIS I-901 fee pays for the cost of the operating the U.S. Government’s Student and Exchange Visitor Information System. To pay this fee, the student will need his/her SEVIS identification number - the number above the bar code on the upper right of the I-20 beginning with the letter N - and the college identification number (LOS214F00318000), which is on the I-20.

Schedule an appointment for his/her F-1 student visa interview at the nearest U.S. Embassy or consular office.

Bring the following documents to the interview:

1) The I-20 sent to him/her by this college. 
2) The acceptance letter addressed to U.S. EMBASSY sent to the student by this office. 
3) A passport that is valid for at least six months after date of entry to the U.S., though longer is better. 
4) A completed Form DS-160 
5) One 2" X 2" photograph. (For picture format, check http://www.travel.state.gov/) 

Copies of any documents the student submitted to Los Angeles Harbor College such as financial documentation and evidence of English language proficiency.

**Please note that there are several steps to apply for a visa. The order of these steps and how you complete them may vary at the U.S. embassy or consulate where you apply. Please consult the instructions available on the embassy or consulate website where you intend to apply.**

U.S. Foreign Service Officers are required by law to interview all visa applicants. The Embassy/Consular Officer who interviews the student will seek to verify that:

1) The student’s intent in coming to the U.S. is for education and not for immigration, 
2) The student has sufficient funds to cover his/her first year’s educational and living expenses and will not be a financial burden on the people of the United States, and 
3) The student intends to return home after he/she completes his/her education and, if appropriate, one year of practical training in the U.S.
As part of this verification process, the interviewer will ask the student a few questions to verify that the student's intent in coming to the U.S. is for education and check the documents the student has brought. The interview will be in English.

When approved, the student will receive his/her passport with an F-1 visa in it. The consular officer may put the entry documents in a sealed envelope. In this situation, the envelope can only be opened by a U.S. Port-of-Entry officer. Once in the U.S., the Port-of-Entry official will stamp the student's I-20 and passport. The officer will also write “D/S,” on the stamp, which means “Duration of Stay.” “Duration of stay” means that a student with a current I-20 can stay in the U.S. for a reasonable but unspecified period of time to complete his or her program of study. You will need to print your I-94 online by going to https://i94.cbp.dhs.gov/

The I-94 is a very important document; students must be careful not to let it become separated from their passports. The Port-of-Entry official may ask what the student's purpose is for coming to the U.S. in order to verify that the student is coming for educational purposes.

Students should be sure to arrive in Los Angeles in time for the mandatory New Student Orientation meeting (whose date and time is listed on their I-20’s). Students who arrive earlier are encouraged to stop by the International Student Office or contact the ISO to schedule an appointment with the International Student Advisor. Students should bring all of their documents (their passports, I-20’s, and a printed I-94) when they first come to the International Student Office. The earlier we meet a student, the earlier we can begin the registration, assessment, and course selection process.

Maintaining F-1 Status

Harbor College is on the semester system, and there are two semesters per year, the fall and the spring. Many of the courses at the college are 3-unit courses, which means, they meet approximately 3 hours each week over the course of a semester. By law, F-1 visa students are required to take a minimum of 12 units of classes in each of the two semesters, fall and spring, and complete the classes with a grade in order to maintain their student status. The college usually offers a summer session and a winter intersession, though international students are not required to attend. F-1 students may work on campus, assuming job availability, with the permission of the international student advisor. International students, after a minimum of one year of study, may be eligible to apply to USCIS for permission to work off campus part time (Pre-Completion Optional Practical Training) while completing their programs of study or full-time (Post-Completion Optional Practical Training) after completing their programs of study.

<table>
<thead>
<tr>
<th>Estimated Education-Related Expenses for International Students</th>
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<tr>
<td><em><em>Non-Resident Tuition ($193.00</em> per unit x 12 units)</em>*</td>
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<tr>
<td><strong>Enrollment Fee ($46.00 per unit x 12 units)</strong></td>
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<td><strong>Capital Outlay Fee ($22 per unit x 12 unit)</strong></td>
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<td><strong>District SEVIS Filing Fee (Mandatory)</strong></td>
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<td><strong>Health Fee ($11.00) (Mandatory)</strong></td>
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<td><strong>A.S.O. Student Representation Fee (Mandatory)</strong></td>
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<td><strong>Associated Students Organization</strong></td>
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<td><strong>Parking Fee</strong></td>
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<td>**Medical Insurance <strong>(Mandatory)</strong></td>
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<td><strong>TOTAL</strong></td>
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*These fees are subject to change each July 1.
**These fees are subject to change each January 1.

Tuition, Capital Outlay, and Enrollment Fees are based on a minimum of 12 units in a semester. The effective cost of 1 unit of classes is $261 per unit as of July 1, 2014 which is the combined non-resident tuition of $193/unit, the capital outlay fee of $22/unit, and the enrollment fee of $46/unit.

Note: Textbooks are not included in the above estimate and can range from $500-$700 per semester. Some students lower textbooks costs by buying texts used or renting them from reputable providers on the internet. Students should be certain that they have the correct edition of each text they purchase or rent.

The Associated Student Organization Representation Fee is
a charge related to student government.
The Health Fee is a fee to support the college health center which has a full time nurse on duty during the day time to assist with minor illnesses and referrals.
The Parking Permit Fee is only applicable if student has a car which he/she parks on campus.
All F-1 Visa (international) students are required to participate in the medical insurance program. Brochures for this program can be found in the International Student Office (SSA 115).

**Housing and Living Expenses**
Actual housing and living expenses vary; however, we estimate that a frugal student would probably need at least $10,000 per year to live in the general area with a roommate.

**Housing**
Harbor College does not have on-campus housing. Most international students live independently or with roommates in rental units in adjacent communities such as Harbor City, Lomita, Carson, San Pedro, Palos Verdes, Palos Verdes Peninsula, Palos Verdes Estates, Rolling Hills, Torrance, Gardena, Redondo Beach, and Hermosa Beach, though some students may commute from longer distances because of the college’s proximity to bus lines and the freeways. Homestays can also be arranged. Check the college website for links to homestay programs. The International Student Office posts housing referrals. Students who have not made arrangements prior to coming usually stay at a nearby hotel for two or three days until appropriate housing is found.
Harbor’s 65th Birthday Celebration
October 2014
STUDENT SERVICES

STUDENT SERVICES

Student handbooks/planners are available in the bookstore.

Assessment Center

The assessment test is required for all students who wish to enroll in English and/or math classes, and who are pursuing an Associate Degree or plan to transfer to a four-year university. Students may schedule an appointment to take the assessment test at http://www.lahc.edu/sars/assessment/eSARS.asp or by calling (310) 233-4072. Walk-in testing is also available. For more details, please see the Assessment Center website http://www.lahc.edu/studentservices/matriculation/assessment.html. Prerequisites completed at another college must be cleared by the Counseling Office. An official or unofficial transcript is required for this purpose. Some science classes have prerequisites that need approval as well. Please see the class schedule to see if the class requires a prerequisite.

Bookstore

Books and supplies are housed in the college bookstore located on the first floor of the Sea Hawk Center and is open, when classes are in session, according to the hours posted. Used books are purchased “as is” and the bookstore assumes no responsibility for their condition.

Bookstore - Regular Schedule:
Monday thru Thursday 8:00 a.m.-7:00 p.m.
Friday 8:00 a.m.-1:00 p.m.
Closed Saturdays and Sundays

Rush Period Schedule:
(Two Weeks Only)
Monday thru Thursday 8:00 a.m.-7:00 p.m.
Friday 8:00 a.m.-1:00 p.m.
Closed Saturdays and Sundays
**Summer School schedule to be announced
(See listing at bookstore).

Policy For Personal Checks and Credit Cards

Personal Imprinted Checks are accepted for the amount of purchase only. Two (2) ID’s are required:
- Current Harbor College registration fee receipt, or
- Current Harbor College student identification card; and
- Valid California Drivers License or California ID.

Checks are to be made out to Harbor College Bookstore. No out of L.A. County or Out Of State checks will be accepted. Visa, MasterCard, and Discover card are accepted if the card holder is present to sign and shows a California Driver’s License or California Picture I.D.

Bookstore Refund Policy

Textbooks are eligible for refund under the following conditions:

1. All textbooks being returned must be accompanied by a current dated cash register sales receipt issued by the Bookstore. No exceptions.

2. Textbooks must be returned within the first 5 days of the Fall and Spring semesters and within the first 5 days of an Intersession and short-term classes. Holidays, Saturdays and Sundays are not considered school days.

3. Textbooks must be returned in the same condition as when purchased. New books must be free of any markings, underlinings, soil marks or erasures, and all pages must be intact. Used textbooks must be returned in a resalable condition for refund, and all pages must be intact. Determination of the condition of new or used textbooks will be made by the bookstore staff.

4. New textbooks returned with minor marks or damages may be refunded at a maximum of 75% of their retail price during the refund period.

5. Textbooks purchased after the 5th school day must be returned within 24 hours and be accompanied by a current dated cash register sales receipt to be given a refund.

6. Textbooks failing to meet the refund policy will be considered used and will be governed by the used book policy.

7. Trade paperbacks, study guides, dictionaries and workbooks must be returned within 24 hours and in an unused, clean and resalable condition for refund. No refund will be given on syllabus.

8. Refunds or exchanges will not be allowed on text books purchased during the last 2 weeks of the semester.

Supplies are eligible for refund under the following conditions:

Items required as materials for certain classes will be refunded the first 5 days of the Fall and Spring semesters and within the first 5 days of an Intersession. Items must be in new condition and accompanied by a current dated cash register sales receipt.

No refund is given on safety goggles and other personal clothing which are governed by California Health Laws.

No refunds will be made on computer disks of any type.
Refunds For Purchases Made By Checks
A waiting period of 15 school days will be imposed to allow the check to clear processing before a refund will be given. At the discretion of the College Fiscal Administrator a canceled check may be required before refund is made.

Refunds For Purchases Made By Credit Card
No cash refund will be made by the Bookstore. A credit will be issued and forwarded to the credit agency - Visa or MasterCard.

Book Buy-Back
The Book Buy-Back occurs during the final exam week of each Fall and Spring Semesters. (Date will Be Posted) watch for posters. The bookstore manager shall be responsible for the final approval or disapproval of any refund.

Business Office / Cashier’s Office
The Business Office is located in the Seahawk Center Building near the Bookstore. It is the place where you can pay your school fees in person:
1. Enrollment Fees
3. Parking Fees.
4. Transcripts and Verification Fees.
5. Duplicate Registration forms
6. Dishonored/returned checks(including Bookstore checks)
7. Financial Aid overpayments
8. Lab Fees
9. Oceanography Fees

Other services:
Student refunds
Lost Warrant Affidavits (Financial Aid Checks)
Associated Student Organization accounts set up, deposits, and checks.
Checks disbursements to students and employees.
Scholarships
Other services(making all deposits, issuing checks, paying bills, processing fund commitments and other documents, reports, etc).

Regular Business Hours:
Monday thru Thursday 9:30 a.m. to 6:30 p.m. Closed Fridays.
Please check schedule for the registration time.

CalWORKs (California Work Opportunity and Responsibility to Kids Program)
The goal of the program is to provide an educational environment where the student may develop the needed vocational skills leading to meaningful employment and ultimately self-sufficiency. This is accomplished through a partnership between key college and community partnerships. Students are provided counseling by professional faculty, peer advising, mentoring and paid work-study employment opportunities to support the 32-35 hour participation requirements. The office is located in the CDC Building Room, 105.

CARE (Cooperative Agencies and Resources for Education)
CARE is a unique educational program which represents a cooperative effort between the community college and the Department of Social Services to assist single parents to achieve their educational goals. The program is only available to EOPS eligible students; see Extended Opportunity Program and Services for additional information.

If you are a single parent interested in developing new educational, career and employment skills, the Cooperative Agencies Resources for Education (CARE) program, can help you nurture your appetite for achievements and a better lifestyle. The CARE program helps single parents receive the support and advisement necessary to explore their interests and move forward toward successful completion of educational, career or transfer pathways. CARE will bring you together with a group of students who are facing many of the same challenges as you are. The program offers additional support services in the form of cash grants to offset the cost of child care and transportation. By combining our energies, we can help you to become successful student and complete your goal.

Applications for EOPS and CARE can be obtained in the EOPS/CARE office. For more information, call (310) 233-4265 or drop by the EOPS/CARE office located in the Student Services & Administration Building, SSA 207, or visit the EOPS website (www.lahc.edu/eops).

Career Center
The Career Center offers a professional counseling service designed to extend career information, career guidance, counseling, and career planning courses to students who are in need of help in selecting a career goal or a college major, or who need help in considering alternate choices.

This specialized counseling service enables students to have an opportunity to determine their educational and/or vocational objectives. It also provides an opportunity to discuss plans regarding a meaningful, satisfying, realistic career selection in a job area where it is reasonable to assume there are future employment opportunities. Computerized assistance is available for career planning by the use of the Eureka Career Information System. The Center is location in the Student Services & Administration Building (SSA 105). The Center is open from 9:00 a.m. to 4 p.m. daily and evenings by appointment. Call (310) 233-4282 for information.
**Child Development Center**

The Harbor College Child Development Center was established to offer child care services to students. This well-equipped facility operates under the supervision of a credentialed director and three credentialed teachers. The Center provides a high-quality program for preschool-aged children who are ready for a group learning experience.

In addition, the Center offers opportunities for parents to better understand their child’s behavior. To this end the Center involves parents in the education and development of their children, through parent education meetings and the establishment of a model child development center. Children who are ready for this experience are accepted on an objective basis of priorities. Children from families with a single parent receive high priority.

Fees for this service are based on financial need and range from no cost to $2.00 per hour. For further information and application contact the Child Development Center at (310) 233-4200.

**Computer and Internet Services**

Los Angeles Harbor College has over 30 computer labs located throughout the campus. Access to computers changes periodically. Department offices will post hours of operation and guidelines for computer use in their respective labs. Computers in open-access areas of the campus are for students to work on course related materials only. The Library+Learning Resource Center’s (LLRC) first-floor Computer Commons area has 100 computers dedicated to such open-access use. Additionally, wireless internet services are available throughout most of the campus. Students actively enrolled in the current semester may access these services using their personal computers, etc.

The use of campus computers and software programs is governed by District regulations. These regulations appear on the monitors of all campus computers upon logon. Students must agree to abide by the regulations before being permitted to gain access to the network. Printing fees are charged in most labs. The LLRC has a pay-to-print system that permits students to pay for and store printing credits for current and future use during a given semester. Students are encouraged to bring their own storage devices and headphones. Students must use headphones with any program that produces sound. Headphones may be checked out at the Circulation Desk for use in the LLRC.

**Counseling Services**

The counseling faculty helps students define their objectives and plan how to reach them. Counselors are on duty throughout the calendar year to provide information which will assist continuing students and new applicants to plan their college program of studies.

Students are urged to see a counselor periodically in order that their educational planning may continue wisely. Typical areas of discussion with a counselor include:

- Review of requirements for the Associate degree at Harbor College;
- Review of technical-vocational offerings at Harbor;
- Clarification of the general education requirements and departmental major requirements of various four-year colleges and universities;
- Analysis of those Harbor courses which will meet lower division requirements at local universities and state colleges;
- Administration and interpretation of standardized tests to assist the student in choosing suitable educational and career goals;
- Suggestion of methods of overcoming academic difficulties which the student may encounter;
- Personal counseling for achieving a more meaningful college experience;
- Suggestions for more challenging programs for gifted students.

To make an appointment with a counselor for educational advisement please go to http://www.lahc.edu/sars/counseling/eSARS.asp, by phone at (310) 233-4299, or in person at the Information Desk in the lobby of the Student Services & Administration Building.

**Course Credit & Class Preparation**

To earn one unit of credit, you must spend one hour each week in a lecture class. You are expected to devote a weekly average of two hours in outside-of-class/homework preparation for each one hour of lecture class time.

**Disabled Student Programs and Services**

(See Special Programs and Services)

**Distance Education**

Los Angeles Harbor College is adding fully online and hybrid courses at the rate of two a semester to its course offerings. These asynchronous courses provide students access to education “anywhere, anytime” through the Internet. (See the special section in the College Schedule of Classes for Internet or on-line offerings.)

**Distance Education Disclaimer:** If you currently live or plan to live outside of California while taking classes at Los Angeles Harbor College, be advised that the college is not authorized to provide educational services in all states. Go to http://www.lahc.edu/authorization%2003-26-14.pdf for a list of the states that have authorized the college’s educational services, otherwise refer to your State Department of Education.

**Extended Opportunity Program and Services (EOP&S)**

Extended Opportunity Program and Services (EOPS) offers special support services to help students move forward successfully toward their personal, educational, and career goals. EOPS is a comprehensive support system of services extended to eligible students. Services students can obtain include academic, career and personal counseling; book and cash grants; free tutoring; priority enrollment; and classes...
focused on student success.

EOPS offers additional assistance to single parents through the CARE program, which offers support services in the form of cash grants to offset the cost of childcare and transportation to single parents as they pursue their educational and career goals.

Applications for EOPS and CARE can be obtained in the EOPS/CARE office. The EOPS faculty and staff is also prepared to assist students in both the English and Spanish language. For more information, call (310) 233-4265 or drop by the EOPS/CARE office in the Student Services & Administration Building, SSA 207, or visit the EOPS/CARE website (www.lahc.edu/eops).

Food Services

Vending machine snack bars (two locations) are available according to posted schedules. The College Bookstore, located in Seahawk Center provides food and snacks. Breakfast and lunch services are offered in the Cafeteria by the Culinary Arts program during the semester.

International Student Program

The International Student Program helps F-1 Visa students adjust to the American educational and cultural environment. The services provided include orientation to college programs and services, advisement on DHS USCIS (U.S. Government) rules and regulations, advisement on academic and personal matters, and referral assistance related to housing and community programs. The office also has the responsibility for processing international student applications, providing admission documentation for students planning to enter the U.S. for study, assisting students already in the U.S. who would like to transfer to this college full time or attend part time, and assisting students in the U.S. in different non-immigrant visa categories who would like to attend this college full time but need appropriate documentation (an I-20 marked initial – Change of Status) to apply to USCIS for a Change of Status. For additional information, contact the International Student Office at (310) 233-4111 or at www.lahc.edu/studyinlosangeles. The International Student Office is located in the Student Services/Administration Building, Room 131.

Health Services

The purpose of the Student Health Center is to contribute toward the educational aims and matriculation of students by promoting their physical and emotional well being.

The Student Health Services Center (Cafe 110) provides health counseling and education, assessment and treatment of acute and chronic illnesses, first aid, referral to appropriate public or private agencies and dissemination of information regarding the availability of health services.

The Education Code of California sections 72244 and 72246 authorize the collection of a student health services fee of $11.00 per semester for fall and spring and $8.00 for summer and winter sessions.

Those who depend exclusively on prayer for healing in accordance with the teaching of a bona fide religious sect may request exemption of the fee through the Office of the Dean of Student Life (Seahawk Center Room 201). Emergencies: All medical emergencies should be reported to the Sheriff’s Office. For speed in accessing the Sheriff’s Office, dial 311 from any on campus phone, or 911 from any on campus pay phone. Non-emergencies: dial extension 4600. Calling from off campus you may dial (310) 233-4600. Accident reports should be completed by the instructor in charge, or by the staff member present, and sent to the College Business Manager.

Athletic physicals are authorized by the Athletic Director. Students must see the college-appointed physician.

Crisis intervention counseling is available to students on campus on a limited basis. Resources in Los Angeles County for students with family and personal problems are available by calling the Info Line: in the Los Angeles area, dial (800) 603-HOPE; in the South Bay area, call (310) 603-8962.

The Board of Trustees adopted Board Rule 2309.30 which instituted a mandatory health insurance fee for International Students. International Students attending a college in the Los Angeles Community College District under an F or M visa shall be charged a medical insurance fee equal to the cost of medical insurance purchase by the District on the student’s behalf. Students are required to pay an international student medical insurance fees (IMED), currently $420.00 per semester (Fall and Spring).

IMED fee Exception and Bypass: The International Student Medical Insurance fee only applies to the students attending an LACCD college under an I-20 issued by a college in the District. Students attending an LACCD college under I-20 issued by college outside the District are exempt from the IMED fee. This is the ONLY allowed exemption.

Job Placement Center

Los Angeles Harbor College provides the Job Placement and Training Center to assist students and the members of the community with their employment needs. The Center lists full and part time, permanent and temporary job referrals. In addition, job seekers may attend seminars and workshops on a variety of job related topics, such as resume preparation and interviewing skills.

Maintaining relationships with most of the South Bay placement agencies, the Job Placement and Training Center also works closely with the Torrance, Lomita, Carson Workforce Investment Network and WorkSource Center to meet the needs of workers unemployed due to a reduction in the workforce or economic cutbacks.

The Center also manages other employment related contracts, such as GAIN/CalWORKs. The Job Placement and Training Center is located in the CDC Building Room, 105.

Our goal is to provide an educational environment where the student may develop the needed vocational skills leading to meaningful employment.

Library + Learning Resource Center

The Library+Learning Resource Center (LLRC) houses the Library, the Learning Resource Center, and other programs. The services within the LLRC building are open according to posted schedules.
Library

The LAHC Library provides access to a collection of over 95,000 books (print and e-books), periodicals, newspapers, reference materials and online databases that support the college curriculum and our students’ pursuit of educational goals. Students should consider the library their first source when researching topics for papers or class projects.

A librarian is always available to assist with basic questions and research and to offer instruction in library use and literature searching.

Currently enrolled students may conduct their online searching in the computer commons. Wireless connectivity is available by logging in. Students can also use the online databases from off-campus by logging in with their student login. Instructors may request an information workshop to prepare students for special assignments. Materials are placed in the Reserve Section at the Circulation Desk when they are needed for class assignments or are otherwise in demand. These materials may have restricted loan periods.

There are nine group study rooms that may be reserved and used for collaborative group study. Photocopiers and printers are available and tables and study booths are located throughout the building. A current college ID card is required to check out library materials and to use the study rooms.

Learning Resource Center

The Learning Resource Center, (310) 233-4149, is located on the 1sr floor of the Library+Learning Resource Center (LLRC) and provides the following support services:

Tutoring
- All day drop-in one-on-one tutoring in the Math Lab, Writing Lab, and Reading (Literacy Center) Lab
- One, two, three, or four day scheduled one-on-one and group tutoring sessions in such subject specific areas as Accounting, Anatomy, Economics, Chemistry, Physics, Microbiology, Physiology. Additional subjects may be added based on student request and budget availability.
- Tutoring for students enrolled in Special Programs and Services in the High Tech Lab (M-Th)

Support Courses with no fees and no units of credit.
- Tutoring students enroll in the 0 unit Supervised Learning Assistance 001

Support Courses for Credit
- English 67 (.5 unit) through the Writing Lab
- Developmental Communications 35 and 37 through the Writing (Literacy Center) Lab
Computer Access and Printing
- 100 computer stations with pay-to-print capabilities are available in the Computer Commons to active LAHC enrolled students.

Tracking Computer Commons’ foreign language practice by students using online course textbook/publisher provided resources.
LearningExpressLibrary.com

Contacts:
LRC Subject Specific - (310) 233-4149
High Tech Center - (310) 233-4393
Math Lab - (310) 233-4498
Reading (Literacy) Lab - (310) 233-4238
Writing Lab - (310) 233-4238

Legal Aid

The Associated Students of Harbor College contracts yearly with a legal entity to provide legal services to students. Students who pay the voluntary ASHC membership fee are eligible for this important service at no further cost. Contact the Student Activities Office in the Seahawk Center for information and an appointment to see a lawyer.

Life Skills Center

The Life Skills Center was established to provide crisis intervention, personal counseling and community referrals to LAHC students who may be undergoing a personal or life crisis; and, to promote positive mental health for the campus community through offering workshops, skill-building seminars, and classroom speakers on a wide variety of topics throughout the school year. Services are available by appointment and on a drop-in basis Mondays through Thursdays, 8:00am - 8:00pm and Fridays 8:00am - 4:00pm. Located in the Health Center Cafe 110, the Life Skills Center is staffed by advanced psychology graduate students and supervised by a licensed Clinical psychologist. For additional information, call (310) 233-4586.

Lost and Found

Lost items should be taken to the Sheriff’s Department, located on Figueroa Place in the P.E. & Wellness Center, where they may be claimed by the rightful owner. Most items are stored for a two-month period before being removed.

Ombudsperson

The role of the ombudsperson is that of a facilitator of the grievance process (E-55). Copies of the Student Grievance Procedures (E-55) may be obtained from Gary Gonzales, Seahawk Center, 201.

Most complaints, grievances or disciplinary matters should be resolved at the campus level. For issues not resolved at the campus level, students may utilize a state administered complaint process [HEA Title IV, CFR, Sections 600.9 and 668.4 (3)(b)]. Information about the process and the complaint forms can be found at http://californiacommunitycolleges.cccco.edu/ComplaintsForm.aspx
Orientation

After you complete the Assessment Test, you will take the student orientation and a quiz. The orientation will provide you with an overview of available student support services, and academic and vocational programs.

To save yourself some time, you may also take the online orientation at http://www.lahc.edu/studentservices/matriculation/welcome.html before you take the Assessment Test. You must remember to complete the quiz at the end of the orientation, print the quiz results, and bring them to the Assessment Center. You must complete the student orientation to get your Assessment Test results.

Parking Areas

Well-lighted parking facilities are available on campus for over 1500 cars. Metered visitor parking is available on Figueroa Place. All California Vehicle Code rules and regulations are applicable at the College.

Parking Fee

Parking in areas marked “Parking by Permit Only” will be restricted to vehicles displaying a valid permit. Parking Permit procedures and fee information are available in the Business Office. Permits are required 7 days a week, 24 hours a day.

Project Academic Success Action Plan

The Academic Success Action Plan (Project ASAP) is a federally funded project at Los Angeles Harbor College that is designed to provide services and instruction to a select number of students with disabilities who demonstrate academic and/or financial need. Students can file an application for possible project assistance if they meet the federal eligibility criteria and desire attainment of any of the following educational goals: 1) The Associate in Arts Degree; 2) The Associate in Science Degree; 3) Certificate in a vocational area; or 4) A transfer curriculum leading to a four-year college or university. For more information about Project ASAP, please contact Amarylles D. Hall, at (310) 233-4075 or 233-4536.

Sheriff Services

The Sheriffs are available to assist students, faculty and campus visitors as needed. In addition to their regular duties of crime prevention, campus patrol and parking control, the College Sheriffs have instituted an assertive program in the areas of personal safety and crime prevention. The College Sheriff’s Office is located on Figueroa Place in the P.E. & Wellness Center; Telephone (310) 233-4600. For emergencies only, dial 311 from any campus phone and 411 from all campus pay phones.

All members of the college community are urged to lend their support in both reporting crimes and practicing preventive measures to reduce them. We all share the responsibility for making Los Angeles Harbor College the safest possible place to work and learn.

If you must remain in campus buildings after closing time, notify the Sheriff and make an effort to arrange your stay in the company of at least one other co-worker or student.

The campus is well-lighted but it is wise, again, to employ the “buddy system” when walking to your car or traveling to other locations.

Refrain from using shortcuts; stay on the well-traveled thoroughfares.

Personal property, purses, briefcases, etc. should not be left unattended. Take such items with you if you are leaving the office, classroom or library study area, or lock them in your desk or file cabinet.

Try not to carry large amounts of cash on your person or display large amounts of money.

Make a record of the serial numbers of both District and personal property in your office. Engraving tools are available at the Sheriff’s Office for check-out to students, faculty and staff for the purpose of identifying personal property. A record of your personal credit cards should also be maintained.

Keep your auto locked, never leave the keys in the ignition, and avoid leaving property where it is visible on the seats. Store it in the trunk instead.

Give your car the quick “once over” before entering with a critical eye for possible break-in or persons in the rear seat or floor area.

The College prides itself on the record of safety maintained on campus; however, effective law enforcement and protection require citizen cooperation and assistance. The rapid and successful detection of crime and apprehension of criminals depends heavily on speedy reporting and dissemination of facts to the Sheriff’s Department.

College Security and Safety

Los Angeles Harbor College prides itself on the safe environment that exists to encourage learning and enrichment for our community. Students, faculty, staff, and visitors form a partnership in creating and maintaining that environment. The College maintains a 24-hour, 7-day a week campus security facility in the PE Wellness Building, staffed by the Los Angeles County Sheriffs. Contact number (310) 233-4600. Following are annual crime statistics with comparison years under code 20 United States Code 1092 F:

As required by the federal Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act (“Clery Act”), the college’s Annual Security Report contains policy statements and crime statistics for the campus. The Annual Security Report includes statistics for the previous three years concerning certain reported crimes that occurred on campus, in off-campus buildings or property owned or controlled by the college, and on public property within or immediately adjacent to the college. The report also includes institutional policies concerning campus safety and security, such as policies on
drug and alcohol use, crime prevention, the reporting of crimes, sexual assault, and emergency response and evacuation procedures. You can obtain the college’s Annual Security Report online at http://www.lahc.edu/sheriff/crimestats.htm. You may also request a paper copy by contacting the Sheriff’s Office at 310-233-4600.

<table>
<thead>
<tr>
<th>OFFENSE - ON CAMPUS</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
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</thead>
<tbody>
<tr>
<td>MURDER / NON-NEGILIENT MANSLAUGHTER</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>NEGLIGENT MANSLAUGHTER</td>
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<tr>
<td>SEX OFFENSES, FORCIBLE (TOTAL)</td>
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<tr>
<td>Forcible Rape</td>
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<tr>
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<tr>
<td>Sexual Assault with an Object</td>
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<tr>
<td>Forcible Fondling</td>
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<tr>
<td>Other Forcible Sex Offenses</td>
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<td>SEX OFFENSES, NON-FORCIBLE (TOTAL)</td>
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<td>5</td>
<td>0</td>
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<tr>
<td>HATE CRIMES</td>
<td>2011 - No reported hate crimes</td>
<td>2012 - No reported hate crimes</td>
<td>2013 - No reported hate crimes</td>
</tr>
<tr>
<td>DOMESTIC VIOLENCE - STALKING</td>
<td>2011 - Information not compiled</td>
<td>2012 - Information not compiled</td>
<td>2013 - There was one (1) incident of domestic violence (robbery) occurring on campus</td>
</tr>
</tbody>
</table>

**Special Programs and Services**

The Office of Special Programs and Services has been established to assist individuals with mobility, visual, hearing, speech, learning and psychological disabilities or other health impairments who may require special assistance in the pursuit of an education. Special instructional support programs such as the Learning Disability Program (serving students with average to above average potential and an Assistive Technology Program (High Tech Center) are available. Students may receive special services such as priority registration special counseling, tutoring, mobility assistance, readers, note takers, registration assistance, special parking, and others on an as needed basis. The Office of Special Programs and Services is located in Cafeteria 108, telephone (310) 233-4628 or 233-4629.

**Tech Prep**

Tech Prep is a federally funded program designed to help high school students prepare themselves for employment upon graduation, and also to encourage them to continue their education at the college level. The program sponsors and designs activities and projects to serve the job-related needs of high school students, their families and the surrounding community.

The Los Angeles Harbor College Tech Prep Consortium began preparing students for the workplace in the field of Business Computing in 1995 by integrating vocational classes with academic classes, infusing the curriculum with the SCANS basic skills and competencies, and providing workplace learning experiences such as job shadowing opportunities, internships and cooperative education work experience credits.

The comprehensive Tech Prep program of study and job preparation begins in the Junior year of a Consortium-member high school and may continue through the Associate Degree in Business or a related field at Harbor College. The Consortium plans to extend Tech Prep into other career areas based on its experience with Business Computing. Banning High School, Narbonne High School, Carson High School, Gardena High School, San Pedro High School and the Harbor Occupational Center are members of the Harbor College Tech Prep Consortium. For more information, call (310) 233-4449.

**Transfer Services Center**

The Transfer Services Center is designed to provide prospective transfer students with catalogs, applications, and information about transfer to four-year universities. The Transfer Services Center regularly schedules appointments with representatives from four-year colleges so that students may obtain information about admission requirements, application procedures, and academic programs. Call (310) 233-4282 for more information. The Transfer Center is located in the Student Services Center (SSA 105).

**Tutorial Services**

Learning Resource Center - Individual and group tutoring is available in the Learning Resource Center. All students with an identified learning need, based on a referral from an instructor, are eligible for tutoring services. *"Drop-in"* tutoring is available.
in the Math Lab, and Writing Lab, and Reading (Literacy) Lab which are housed in the LLRC. All students receiving tutoring in the LRC who are not enrolled in a for credit tutoring lab will be enrolled in the non-credit, zero-unit tutoring lab course, Supervised Learning Assistance – Tutor 001T. There are no enrollment fees or grades involved with this lab course, and the course does not appear on the student’s transcript. On-line tutoring is available through the LRC on request.

Special Programs and Services (Disabled Student Programs and Services) - This office provides tutorial and other learning assistance, as needed, to students in this program. The phone number is (310) 233-4623.

Veterans Affairs Office - Tutoring in all subjects is available to eligible veterans. Costs are paid by the Veterans Administration.

Veterans’ Services

Students planning to attend Los Angeles Harbor College under one of the Veterans Educational Benefits programs must report to the Veterans Office, located in the Student Services & Administration building (SSA 114) with the Financial Aid Office, to pick up the necessary paperwork. This should be done at least one month prior to registration. After picking up paperwork, students will be required to make an appointment with an educational counselor to complete an educational plan. The student must submit a transcript for all previous college work before starting the second semester at LAHC.

The Veterans Center is located in LRC 125 and provides a quiet study space, computer and printer access and the company of other veteran students. The Admissions & Records Office must be informed you are a veteran to grant priority registration.

FINANCIAL AID

The mission of student financial aid is to provide access to post-secondary education to those individuals who otherwise could not afford it. Through grants, scholarships, part-time employment and loans the college provides monetary assistance to students in order to help them meet the basic cost of their education. The amount and type of aid offered to each student is determined by federal and state regulation and by college policy. The premise for the determination of the type and amount of aid awarded is the belief that the primary responsibility of financing an education lies with the student and their family.

Student financial assistance is not a supplement to the student's income for meeting their normal living expenses, but is available to help the student offset the additional expenses incurred directly by their education. Most financial aid awards are based on demonstrated financial need, which is the difference between the cost of attendance and the expected family contribution. Parents’ or student’s contribution is determined from the information reported on the FAFSA (Free Application for Federal Student Aid). Documentation of income such as a Federal Income Tax Return or verification from agencies providing non-taxable income to the family may be required. To be considered for financial aid, a student must meet the following minimum requirements:

Be a U.S. citizen or an eligible non-citizen. An eligible non-citizen is a U.S. permanent resident who has documentation from the Immigration and Naturalization Service verifying that their stay in the U.S. is for other than a temporary purpose.

Demonstrate financial need.

Be making satisfactory progress in a course of study leading to an AA or AS degree, certificate, or transfer to a baccalaureate degree program.

Not be in default on a Perkins Loan (formerly National Direct Student Loan), Stafford Loan (formerly Guaranteed Student Loan), or Supplemental Loan for Students (SLS) or Parents Loan for Undergraduate Students (PLUS) at any school the student attended.

Must not owe a refund on a Pell Grant, Supplemental Educational Opportunity Grant (SEOG) or State Student Incentive Grant (SSIG).

Be registered with the Selective Service if required to do so.

A more comprehensive explanation of satisfactory academic progress standards, financial aid programs, procedures and regulations can be obtained from the Financial Aid Office in the Student Services & Administration Building (SSA 114) and from brochures available in the Student Activities, Counseling, Admissions, and/or Financial Aid Offices.

All disbursements are done electronically by direct deposit. Students receive their MyLACCD debit card from Higher One in the mail and can choose to activate that account or direct their disbursement to a bank account of their choice. If nothing is done, the disbursement will be delayed. ATMs are available in the Seahawk Center and Sheriff’s Station where the debit card can be used with no fee. For more information, go to Mylaccd.card.com

Federal Pell Grant

The Federal Pell Grant is a federally funded program. To be eligible, an applicant must be an undergraduate student who can demonstrate financial need. Grants range from $602 to $5,730 per academic year for Los Angeles Community College District students. The amount of the award, as determined by the Federal Pell Grant Program, is in most cases based on prior year income and current asset information provided in the application.

Students who want to apply for the Federal Pell Grant and other federal financial aid programs should use the Free Application for Federal Student Aid.

In certain cases, a family’s financial situation can change because of death, separation or divorce, loss of a job, or loss of non-taxable income or benefits. In such cases, the student should contact the Financial Aid Office.

Effective 2012-13, the Department of Education has capped federal Pell Grant for students at six years of full-time aid. Students will receive notice of their Lifetime Eligibility Used (LEU) beginning July 2012 so they are aware of how much Pell Grant eligibility will be remaining for them. Once they reach 600% (six years) they will have exhausted their Pell
Supplemental Educational Opportunity Grant (FSEOG)

The Federal SEOG program is a federal program designed to supplement other sources of financial aid for students with exceptional need. FSEOG awards range from $200 to $400 per year. When students apply for financial aid, they will automatically be considered for this program. All applicants must file a Free Application for Federal Student Aid in order to be considered.

Federal Work Study Program (FWS)

The FWS program is a federal program, which enables a student to earn part of his or her financial aid award through employment. To be eligible, a student must be a U.S. citizen or permanent resident, enrolled in at least six units and maintain good academic standing while employed under the program. Hourly wages vary with the type of work and the student’s experience. Work-study may also be available for students qualifying for financial aid during the summer.

The State Government: The Cal Grants

The State of California, through the Student Aid Commission, sponsors several grant programs for undergraduate students. These include Cal Grants and a program to assist the dependents of law enforcement officers who have been killed or disabled in the line of duty. To qualify for any of the state-funded grants, a student must be a California resident, be a U.S. citizen or permanent resident, obtain a Social Security number and be attending (or plan to attend) an eligible school or college in California. A student can receive only one Cal Grant, either Cal Grant A, B, or C at a time. The Dream Act will extend eligibility to AB540 students beginning 2013-2014.

Cal Grant A: This grant is used at four-year colleges to assist with tuition and fees. Grant winners are selected on the basis of financial need and grade point average. The award can be kept in reserve for up to three years while students complete work at a community college.

Cal Grant B: This grant provides a living allowance for students who come from very low-income families. When students transfer to a 4-year college, it can also assist with tuition and fees.

Cal Grant C: This grant assists students in occupational or vocational programs with tuition and training costs. At community colleges, grants are limited to $576 for up to two years.

To apply, students must submit a Free Application for Federal Student Aid and a G.P.A. verification by the deadline date. The deadline to apply for the state grant programs is the March prior to the academic year in which the student intends to enroll. There is an additional September deadline for students attending community colleges. Los Angeles Harbor College G.P.A.’s are submitted electronically for eligible students.

Board of Governors Enrollment Fee Waiver (BOGFW)

The Board of Governors Enrollment Fee Waiver (BOGFW) offers 3 ways to help low income students pay the enrollment fee. The BOGFW is a waiver and does not require repayment. It is not tied to any other financial aid programs so it can be processed quickly. BOGFW applicants do not have to be enrolled in a specific number of courses and it pays the enrollment fees for the academic year and summer sessions. For instance, if you receive a BOGFW for the 2012-13 academic year, summer 2012, fall 2012, winter 2013 and spring 2013 terms are covered. You must complete the BOGFW application or FAFSA. You are eligible for a BOGFW if:

You are a California Resident
You are enrolled in at least 1 unit
You qualify if any one of the following statements applies to you:

Method A: You or your parent is a recipient of TANF/ CalWORKS, SSI/SSP (Supplemental Security Income), or 5220 General Assistance.

Method B: You meet the following income standards:

Method C: You have financial need as determined by filing a FAFSA.

Students with the following special classifications are also eligible for a BOGFW:

Certification from the California Department of Veterans Affairs or the National Guard Adjutant General that you are eligible for a dependent’s fee waiver.

Eligible recipients of the Congressional Medal of Honor or a child of a recipient, or a dependent of a victim of the September 11, 2001 terrorist attack.

Dependents of deceased law enforcement/fire suppression personnel killed in the line of duty

Effective January 2013, AB540 students who are eligible under the Dream Act and have filed a Dream App available at www.caldreamact.org will be evaluated for eligibility for a fee waiver. Beginning fall 2012, a fee waiver application for Dream Act eligible students will also be available in the Financial Aid Office. Spring 2013 will be the first semester an AB540 student may receive a fee waiver.

Income standards are subject to change manually. Check with Financial Aid for changes.
**Loans - Monies which must be repaid**

The institution believes that the prudent use of loans by students is consistent with its mission. Loans, however, are a serious decision and have consequences for both the college and the student. The institution, therefore, has established a student debt limit of two years of loans from all sources. If you are a transfer student with a debt of $8,000 you may not be eligible for any additional loan.

**Federal Perkins Loan**

(Formerly National Direct Student Loan NDSL) - This loan is a long term loan repayment program to help students with exceptional need meet their educational expenses. Students may borrow up to $1500 annually at L.A. Harbor College.

Repayment of the Loan: Repayment status begins nine months after the borrower graduates, withdraws, or ceases to be at least a half-time student and ending ten years and nine months after such date. During the repayment period, five percent interest is charged on the unpaid balance of the loan principal.

**William D. Ford Federal Direct Loan Program**

LAHC offers two types of Direct Loans. To be eligible a student must be enrolled in at least six units. Repayment begins six months after a student ceases being a half-time student, withdraws, or graduates from school.

Direct Subsidized Loans - “Subsidized” means the federal government pays the interest on these loans while the student is in school and during deferments (postponements of repayment). Students must show financial need to receive this type of loan. The maximum amount that any student may borrow is $3,500 per year for first year students and $4,500 for second year students at a 4.66% fixed interest rate.

Direct Unsubsidized Loans - the federal government does not pay the interest while the student is in school or in deferment. Students can get unsubsidized loans regardless of financial need. The maximum amount that any independent student may borrow is $6,000 per year, $2,000 for a dependent student at a 4.66% fixed interest rate.

**Tax Credits**

The American Opportunity Tax Credit offsets what you pay for the first four years of higher education by reducing the amount of income tax you pay. In addition, the credit is partially refundable so you may be able to get a check from the IRS even if you don’t owe any income tax! This credit provides up to $2,500 per student and up to $1,000 of the credit can be refunded if your credit is more than you owe in taxes. You must have a modified adjusted gross income (MAGI) of $90,000 or less (for married couples filing a joint return, $180,000 or less). The credit is reduced if your MAGI is above $80,000 and below $90,000 (above $160,000 and below $180,000 for married couples filing jointly). The amount you are eligible for varies depending on your income, how much you spent on higher education expenses, and how many eligible students are in your family. The student must have been enrolled at least half-time in an eligible program.

This credit replaced the Hope Credit and provides more generous benefits to more taxpayers. It was first available for the 2009 tax year and will expire after the 2012 tax year if Congress doesn’t pass legislation to extend it.

**The Lifetime Learning Credit** is available for all types of post secondary education. Generally, you should only use this credit once you have exhausted your eligibility for more generous credits. This credit may be particularly helpful to graduate students. This credit provides up to $2,000 per tax return (not per student). Unlike the American Opportunity Tax Credit, this credit is non-refundable so the maximum credit is limited to the amount of tax you owe. You must have a modified adjusted gross income (MAGI) of $61,000 or less (for married couples filing a joint return, $122,000 or less). The credit is gradually reduced for those with a MAGI between $51,000 and $61,000 ($102,000 and $122,000 if married and filing jointly). You don’t have to be pursuing a degree or certificate to qualify for the Lifetime Learning Credit. You can claim it for any post secondary education and for courses to acquire or improve job skills. You must file a federal income tax return and have some income tax liability to get the credit. If you are claimed as a dependent on someone’s tax return, only the person who claims you can receive the credit.

**Social Security Beneficiaries**

To receive benefits under the Social Security Act, a minimum of 12 units must be carried in the academic program. All requests for such benefits are processed by the Social Security Field Offices, not by the College.
Scholarships

Alpha Gamma Sigma / Alpha Psi Chapter – This state honor society local chapter (Alpha Psi) awards scholarships to transfer or graduating students who have been active members of AGS for at least one previous semester and have attended at least 6-8 official meetings. Scholarship awards are based on an application procedure whereby members in good standing submit their application, which is then scored along with their cumulative GPA. Alpha Psi members themselves fundraise the dollars that are distributed, honoring the hard work and academic dedication of all members. Statewide scholarships are available for eligible active members in good standing, which are awarded at the AGS annual spring convention.

Armine Janeves Scholarship – One of the “Forty-niners” faculty who opened LAHC in 1949, Armine Janeves has established this scholarship fund to recognize outstanding students in Business. Award recipients must have attained Sophomore standing.

Associated Students Organization Scholarship – Scholarships are based on leadership shown through the students’ participation in the A.S.O Senate and / or Campus Clubs.

Bill Stein Memorial Scholarship – Established by the family of Bill Stein, a very respected Adjunct Instructor and mentor in the Business Division for 35 years (1974-2009) and Director of Administration for the Port of Los Angeles. Scholarships are awarded annually to business majors who have taken at least one evening business class and who have demonstrated financial need.

Bonnie Easley Tutor Scholarship – This scholarship is open to tutors with a 3.0 gpa, completing at least 30 units at LAHC and having tutored at LAHC for at least 2 semesters and completed the Tutor Training class.

Bryan Nakano Scholarship – This scholarship was established by Brian Nakano’s family in his memory as a permanent endowment to the architecture department, and with the intention of encouraging students to follow their dreams of becoming architects.

Child Development Center Parents Scholarship Established by faculty members of the Child Development Center to assist student parents with academic programs.

Claudia Naranjo Scholarship – Established by the family of Claudia Naranjo to assist students facing physical and mental challenges.

Communications Retirees Scholarship – The scholarship fund was established by the Communications Division’s retired professors to assist students in the field of Language Arts, Foreign Language, and Journalism.

Don Rogan Scholarship – This scholarship recognizes the accomplishments of students excelling in the field of the History.

Elma C. Korthe Geology Scholarship – Awarded annually to a student who has demonstrated dedication to geology and has financial need.

EOPS and CARE Scholarships – Awarded to participants of the EOPS and CARE programs, these scholarships recognize students who have performed outstandingly academically while overcoming significant social and economic obstacles to their continued college enrollment.

Faculty and Staff Book Fund Scholarship – LAHC faculty and staff contribute every month to this fund. It is used primarily to enable the Financial Aid Office to offer book vouchers to students whose financial aid is not ready when the semester begins. There is usually enough balance to fund some scholarships each year.

Foundation Scholarship – Los Angeles Harbor College Foundation Board’s Scholarship fund awards a generous number of scholarships per year from fundraising efforts such as the Annual Golf Tournament. Any Harbor College student that meets the college’s scholarship eligibility requirements may apply.

The Freye Scholarship – This scholarship recognizes diligent and highly motivated disabled students. Students must be goal oriented and working toward an academic goal/certificate. Priority will be given to single parents. Scholarship award must be used for fees or books at the college. Apply through Special Programs and Services.

George B. Potter Scholarship – A scholarship established in honor of George B. Potter who taught business and business data processing at Harbor College from 1972-1988. This scholarship continues his legacy of teaching and learning.
Harold W. Garvin and Robert W. Dunn Political Science Award – This scholarship was established to honor Professors Emeriti Harold W. Garvin and Robert W. Dunn, founding members of the Political Science Department, to recognize students excelling in the field of political science.

Henry Zbojniewicz Scholarship – This scholarship evolved from a loving counselor at Harbor College and is an open category for Harbor students who have made use of the Career Center.

Irving and Freida Muh Scholarship – This scholarship honors the memory of Dr. Linda M. Spink’s parents, who emigrated to the United States and saw that their children were highly educated. Eligibility for this scholarship is that the student or his/her parents were born outside the United States.

Ismael Hernandez Scholarship – This scholarship is in memory of Mercedes Yanez’s father who emigrated to the United States and saw that his daughters were highly educated. To be eligible, applicants must be an immigrant with a grade point average of 3.0 or better and involved in community or volunteer service.

Janice H. Sandell Scholarship – In memory of a wonderful educator who was well loved by students, staff, and faculty. Janice Sandell was a Sociology professor at Harbor College for 43 years.

John S. Meek Family Scholarship – To provide financial assistance to an economically disadvantaged student that has demonstrated progress toward attaining an A.A degree from Harbor College or toward transfer to a four year institution.

Latina Leadership Network Student Club Scholarship – Awarded to a member in recognition of their leadership, academic excellence, community outreach, fundraising efforts, and networking for the Latina Leadership Network.

Linda Whitehead Scholarship - Established by her family, in memory of Linda Whitehead. This scholarship continues her legacy of teaching and learning. Awarded to a student who has demonstrated dedication to Health/Kinesiology.

Nick and Betty Zorotovich Scholarship – This scholarship was established in memory of Nick Zorotovich, a former chair of the Social Sciences Division at LAHC and his wife, Betty, a long time teacher in San Pedro. The scholarship is awarded to an outstanding student in the field of social sciences.

Nursing Division Scholarship – The Nursing faculty selects students from each graduating class to receive the following scholarships funded by the Foundation Nursing Scholarship fund: Sally Gay Professional Nurse Award; Wendell Black Bedside Nurse Award; and Leadership Award. In addition, clinical agencies offer awards to nursing students. Other agencies that serve our students also periodically offer scholarships.

Osher Scholarship – Funding is provided by the generosity of the Bernard Osher Foundation as part of the California Community Colleges Scholarship Endowment. Mr. Osher’s vision is to "not only benefit the community college students of today but countless more for years to come"

Paul M. and Catherine M. Humphreys Scholarship – Rev. and Mrs. Humphreys spent nearly a half century ministering to the spiritual, physical, and emotional needs of others.

Ricky K. Benjamin Speaker Scholarship
Established by Ricky K. Benjamin, LAHC staff member and first-ever LAHC Scholarship Ceremony Student Speaker, this annual scholarship is awarded to the runner-up applicant for Graduation Speaker. If no runner-up exists, the scholarship will be awarded to an active student member of Alpha Gamma Sigma Honor Society with a G.P.A of 3.0 or higher and has a minimum of 30 hours of volunteer experience.

Rosa Hoodye Scholarship - Established in memoriam of her caring spirit and dedication in service to the staff and students at Harbor College.

Soroptimist International of Los Angeles Harbor Women’s Opportunity Award – The Women’s Opportunity Award who provide the primary financial support for their families and who have shown an outstanding commitment to obtaining a college degree or completing a vocational program.

Spanish American Institute Scholarship – The Spanish American Institute is a private, nonprofit organization dedicated to providing educational assistance to Hispanic students in Southern California.

Stephen P. Harshfield Scholarship – This scholarship was established in honor of Stephen P. Harshfield who directed the Disabled Student Programs and Services from 1972 until 1986. Awards of varying amounts have been made annually to disabled students who have been in the Disabled Student Program at least one semester, have “strong motivation, determination and perseverance to overcome their disabilities
to achieve their educational goal,” and are example of what
the human spirit can overcome when faced with tremendous
adversity. Apply through Special Programs and Services.

**William L. Gram Scholarship** – Established by his family,
this scholarship honors the memory of William L. Gram, History
Professor, who served the students of Harbor College from

**Watson Land Company** – The Watson Land Company
originated from the land holdings of the Dominguez family
descendants as one of the original Spanish land grants in
Rancho San Pedro. Today, the company is the largest land
owner in the City of Carson where it actively participates in
community activities and especially supporting youth. As
Harbor College serves a large student population from Carson,
Watson Land Co. established a scholarship for students
entering the fields of Architecture, Planning, Business, and
International Trade.

**Wendell C. Black Scholarship Fund** – This fund has
been established by friends, colleagues, former students, and
community leaders to honor the former president of Harbor
College, Wendell C. Black. The income from this fund is used
to establish scholarships each semester, based on the criteria
selected by the fund’s trustees.

**William McMasters Scholarship** - This fund has been
established in the memory of William McMasters, former
Assistant Dean of Admissions and Guidance. Income from
this fund is used to award one or more scholarships per year
to deserving students who show academic perseverance and
improvement.
NEW BUILDINGS AT LAHC

Science Complex
**Student Activities**

The Office of Student Life administers the student activities and student government programs. These programs are designed to make the college experience more balanced and more meaningful, taking into consideration the whole student. Each student is encouraged to participate in extra-class activities which relate to vocational objectives, satisfy individual social needs, and permit practice in the processes of democracy.

Seahawk Center is the Campus Center at Harbor College. It is centrally located just south of the Library/Learning Resources Center and north of the Science Complex. The College Bookstore and Business Office are located on the first floor of the Center. The second floor includes the Student Activities Office, student government offices, a student lounge with recreational attractions.

**Associated Students**

Student activities are financed by money received from the membership of the Associated Students Organization (ASO). Funds are allocated to activities concerned with the health, social and recreational interests, and the general welfare of the student body, in accordance with policies, rules, and regulations defined by the Board of Trustees.

ASO membership costs $10.00 for each student. The fee is paid by the student on a completely voluntary basis. Students should be aware of the benefits associated with membership in the ASO. Membership in this organization permits participation in ASO-sponsored activities and events including free admission to conference games and certain social events. Members receive a reduction in the price of admission to all college-sponsored activities. Additional benefits include the following:

- Xerox copies for 5 cents.
- Photo I.D. and Library Card.
- $3.00 savings on parking fee.

In case of withdrawal from the College, the student receives a refund of the student body membership fee after returning the ASO stickers and according to the following schedule:

First Week - $10.00, Full Refund
Second Week through the Fourth Week - $7.50, 3/4 Refund
After the Fourth Week - No Refund

**Identification/Library Services Card**

All students receive a free I.D. card which is also their Library Card. The card is issued for the first semester of attendance and must be retained throughout the student’s enrollment in subsequent semesters. A new sticker is provided each semester to validate current enrollment. Stickers can be obtained from the Student Activities Office with a Fee Receipt/Class Schedule form or Printout. The Associated Students Organization (ASO) I.D. cards have the added advantage of a picture which is included in the ASO fee. Cards are provided upstairs in the Seahawk Center for all current LAHC students. There is a $3.00 replacement fee for lost cards payable at the Business Office.

**College Publications**

Harbor Tides - When adequate funds and staff are available, the College newspaper is published as a learning experience, offered under the College journalism instructional program. The editorial and advertising materials published by the newspaper, including any opinions expressed, are the responsibility of the student newspaper staff. Under appropriate State and Federal court decisions these materials are free from prior restraint by virtue of the First Amendment to the United States Constitution. Accordingly, materials published, including any opinions expressed, should not be interpreted as the position of the Los Angeles Community College District, the College, or any District or College officer or employee.

**Student Government**

The Associated Students Organization (ASO) represents all students, and sponsors many activities including athletics, publications, assemblies, awards, student services, club, social activities, annual Honors Reception and Commencement. Membership in the ASO is not mandatory; however, the fee will be charged unless the student specifically requests a waiver. There are unique benefits associated with membership in the ASO. Membership in this organization permits participation in ASO-sponsored activities and events including free admission to conference games and certain social events. Members receive a reduction in the price of admission to all college-sponsored activities.

Leadership development is the foundation of the student government program. Student government of the College is patterned after the federal system. The ASO Senate, members of which are elected to serve for one semester, is the legislative branch.

The ASO president and cabinet serve as the executive branch, carrying out the business of the Associated Students. Students serve on college-wide committees to participate in college governance and to represent the interests and views of the students. Administrative Regulation E-22 sets the standards...
for student eligibility. Check with the Student Activities Office for details.

Through participation in student government, students have the opportunity to build on their leadership skills working with fellow students to make a positive impact on the college. Opportunities are also available to work with students at colleges throughout the region and the state through participation in the statewide student organization.

**Student Trustee Election Procedure**

The Los Angeles Community College District conducts an election annually whereby each student in the District has an opportunity to be involved in the process of selecting a student representative to the Los Angeles Community College District Board of Trustees.

The process contained in Regulation E-78 provides for thorough evaluation of the candidates’ qualifications and insures an equal opportunity for any individual from any District college campus to seek the position of a student representative to the Los Angeles Community College District Board of Trustees.

In accordance with existing law, candidates for Student Trustee must:

- Be currently enrolled at a District college.
- Be enrolled in at least 5 units.
- Plan to continue enrollment as a District student through the one-year term of office.
- Have completed a minimum of 12 units.

For further information, contact the Office of the President.

**College Organizations**

Each student is encouraged to participate in a College organization or activity. Chartered groups are organized on the Harbor College campus to meet interests of students. Any student interested in more information about any of the clubs available at Los Angeles Harbor College should contact the Office of Student Activities, SHC 200 (on the second floor of Seahawk Center). Clubs are organized under the following categories:

- **Student activities** Honor societies recognize and encourage outstanding achievement in scholarship and provide opportunity for developing leadership ability.

- **Alpha Gamma Sigma** is a state honor scholarship organization which awards several scholarships annually to outstanding community college students.

- **Service clubs** recognize and honor students for outstanding achievement in citizenship and service to the College and provide opportunities for students to plan and execute programs of meaningful service to the College community.

- **Departmental clubs** stimulate interest in activities related to courses and programs, provide experiences to complement classroom activities, and provide opportunities for service and leadership in areas related to course work.

- **Special interest clubs** provide opportunities for students with mutual interests to organize for the purpose of investigating, developing, or expanding their common concerns. All special interest clubs openly encourage all students to participate.

**Intercollegiate Athletics**

Harbor College is a member of the South Coast Conference of the California Association of Community Colleges in all intercollegiate sports except football. The South Coast Conference comprises Cerritos, Compton, El Camino, Harbor, Long Beach, Mount San Antonio, Pasadena, Los Angeles City, East Los Angeles, Los Angeles Southwest, and Los Angeles Trade-Technical. The South Coast Conference is recognized as one of the finest and most competitive in the state.

In football, Harbor College is a member of the Southern California Football Association, American Mountain Conference along with Goldenwest, Compton, Mt. San Jacinto, San Bernardino Valley, San Diego Mesa, Southwestern and Victor Valley colleges.

Harbor College sponsors women’s teams in softball, volleyball, and soccer; and men’s teams in football, baseball, basketball, and soccer. The baseball team has won three state championships, the men’s basketball team has won two state titles, and the football team has won four bowl games. Harbor College has won the Team State Scholar Award in soccer and baseball. The college’s student-athlete transfer rate is outstanding, with numerous athletes receiving scholarships to four-year universities.
ACADEMIC STANDARDS AND CHALLENGE PROCEDURES

ACADEMIC HONORS

**Alpha Gamma Sigma Honor Society**

Alpha Gamma Sigma Harbor College has been granted a charter for the Alpha Psi Chapter of Alpha Gamma Sigma (AGS), California Community College Honor Scholarship Society. The organization develops programs to enrich the total experience of community college students.

The following categories of membership are available: Temporary Membership is extended to all first-semester students who are life members of California Scholarship Federation; Partial Membership is attained by students completing twelve semester units in a maximum of three semesters at any recognized institution of higher education and having a cumulative grade point average of 3.0.

No units acquired more than two years prior to application are acceptable for this determination; Continuing Membership is achieved by maintaining a GPA of 3.0 or better (members receive one semester’s grace for each semester of earned membership provided their GPA’s are 2.5 or better); and Permanent and Alumnus Memberships are granted to persons who have maintained a GPA of 3.5 in all college work or to continuing members of AGS (for at least two semesters) who have a GPA of 3.25 or better in all college work. Students who meet these qualifications must make an application and pay dues in order to become members of AGS. Gold seals are affixed to the diplomas of students who qualify for permanent membership.

**Dean’s Honor List**

The College gives recognition to scholars each semester by publishing the Dean’s and President’s Honor Lists. Full-time students are placed on the Dean’s List if they have achieved a grade point average of 3.5 or better in twelve or more units.

Part-time students are placed on the Dean’s List if they have 12 or more cumulated units completed at Harbor College and have achieved a grade point average of 3.5 or better in six to eleven units. Students recognized on the Dean’s List must be in good academic standing (not on academic or progress probation). Summer sessions do not count as qualifying semesters for the Dean’s or Presidents lists. Grades of “Credit”, “No Credit” and “Incomplete” are not counted in meeting the unit requirement. Only grades from courses completed at Harbor College will be used in calculating the grade point average.

**President’s Award for Outstanding Student Leader**

This award will be presented annually to a student at Los Angeles Harbor College who has performed outstanding leadership and service to the college.

- Nominees must be registered students at Los Angeles Harbor College carrying a minimum of 9 units for day students or 6 units for evening students.
- Nominees must have a minimum G.P.A. of 2.5 for all course work at a District College.
- Nominees must have performed outstanding leadership and service to the college. (This award is not limited to those serving in student government.)

**President’s Distinguished Honor Award**

The President’s Distinguished Honor Award is one of the most significant and praiseworthy honors available to students in the Los Angeles Community College District. This certificate is awarded at the College Commencement exercises. In order to be considered for the award, a candidate must:

- Petition for the Associate Degree
- Achieve a grade-point-average of 3.70 or better in all college work attempted at the time of petition, and be in good standing.
- Complete at least 50% of all units utilized for the award within the Los Angeles Community College District.
- Achieve a grade-point-average of 3.70 and be in good standing in all college work attempted at the end of the Fall semester or the Spring semester.

**Note:** Spring candidates for this award will be listed as Candidates in the graduation program. After the final grade point evaluation, if the student achieved a 3.70 GPA, he or she will be awarded the President’s Distinguished Honor Award. Students who possess Associate, equivalent or advanced degrees are not eligible for this award.

**President’s Honor List**

Students whose names appear on the Dean’s List for three consecutive semesters are eligible for the President’s Honor List.
ACADEMIC AND PROGRESS PROBATION

Standards for academic and progress probation shall be applied as required by regulations adopted by the Board of Governors of the California Community Colleges. Probation shall be determined based on student course work dating from Fall, 1981; course work completed prior to Fall of 1981 is excluded from probation calculations.

A student shall be placed on probation if any one of the following conditions prevail:

1. Academic Probation. The student has attempted a minimum of 12 semester units of work and has a grade-point-average less than a "C" (2.0).

2. Progress Probation. The student has enrolled in a total of at least 12 semester units and the percentage of all units in which a student has enrolled and for which entries of "W" (Withdrawal), "I" (Incomplete), "NC" (No Credit) and "NP" (No Pass) are recorded reaches or exceeds fifty percent (50%).

Removal from Probation

A student shall be removed from probation upon meeting the criteria specified in this section.

Academic Probation.

A student on academic probation for a grade point deficiency shall be removed from probation when the student’s cumulative grade-point-average is 2.0 or higher.

Progress Probation.

A student on progress probation because of an excess of units for which entries of No-Credit (NC), No Pass (NP), Incomplete (I), and/or Withdrawal (W) are recorded shall be removed from probation when the percentage of units in this category drops below fifty per cent (50%).

ATTENDANCE

The student is expected to attend every meeting of all classes for which he or she is registered. A student absent from classes for emergency reasons must inform his or her instructor of the reason for the absence.

Students who have pre-registered for a class and who do not attend the first meeting of the class forfeit their right to a place in the class. Mitigating circumstances may be considered by the instructor. Whenever absences “in hours” exceed the number of hours the class meets per week, the student may be excluded from class by the instructor.

It is the student’s responsibility to drop from class. Any drops or exclusions that occur between the end of the 4th week and the end of the 12th week (between 30% and 75% of the time the class is scheduled to meet, whichever is less) will result in a “W” on the student’s record which will be included in the determination of progress probation. Drops are not permitted beyond the end of the 12th week (or 75% of the time the class is scheduled to meet, whichever is less).

An evaluative grade (“A”, “B”, “C”, “D”, “F”, “P”, or “NP”) will be assigned to students who are enrolled past the end of the 12th week even if they stop attending class, except in cases of extenuating circumstances.

After the last day of the 12th week (or 75% of the time the class is scheduled, whichever is less) the student may withdraw from class upon petition demonstrating extenuating circumstances and after consultation with the appropriate faculty. For further details, refer to “W” section of “Grading Symbols and Definitions.”

It is recognized that students may have legitimate reasons for not being able to attend the first meeting of a particular class. A student to whom this circumstance pertains must notify the instructor in writing, at least one working day in advance of the first class meeting, stating the reason(s) for the class absence.

It is highly recommended that the written notification be sent by certified or registered mail so that the student may have a record of the notification. The instructor will consider the mitigating circumstances in deciding whether or not to drop the student from the class. Good standing is defined as not being on academic or progress probation.

Auditing Classes

Students may be permitted to audit a class under the following conditions:

1. Payment of a fee of $15 per unit. Fees may not be refunded. Students enrolled in classes to receive credit for ten or more semester units shall not be charged a fee to audit three or fewer semester units per semester.

2. No student auditing a course shall be permitted to change his or her enrollment in that course to receive credit for the course.

3. Priority in class enrollment shall be given to students desiring to take the course for credit.

COURSE REPERTITION

Course Repetition to Improve Substandard Grades

No specific course or categories of courses shall be exempt from course repetition. This policy only applies to courses taken at colleges within the Los Angeles Community College District. Courses completed through the provisions of Board Rule 6704 – Credit by examination may not be used to remove a substandard grade. Substandard grades are defined as “D”, “F”, “NC”, “NP”.

First Course Repetition to Remove a Substandard Grade

Upon completion of a repeated course the highest grade earned will be computed in the cumulative grade point average and the student’s academic record so annotated. All grades awarded will show on student’s permanent records to insure a true and complete academic history.
Second Course Repetition to Remove a Substandard Grade
Upon completion of the second repetition, the grade used in computing the student's cumulative grade point average shall be the highest grade earned, and the student's record so annotated. The two lower substandard grades will not be used in the computation of the grade point average. All grades awarded will show on student's permanent records to insure a true and complete academic history.

Third Course Repetition to Remove a Substandard Grade
A student may repeat the same course for a third time provided the student has:

1. Received two substandard grades for the same district course.
2. Filed a petition specifying the course(s) to be repeated and stating the extenuating circumstances upon which the petition is based. “Extenuating circumstances” are verified cases of accidents, illness, or other circumstances beyond the control of the student.
3. The petition is approved by the local academic senate or a committee acting on behalf of the academic senate, and by the college president or designee.

Upon completion of the third repeat, the grade earned will not be used in the computation of the grade point average. All grades awarded will show on student's permanent records to insure a true and complete academic history.

Limit of Three (3) Attempts to Take the Same Course
Only three attempts at any one course will be allowed. Enrollment blocks on students who have had 3 attempts went into effective in summer 2012. All credit course repeats and withdrawals in a student's enrollment history will be counted towards the new limit, regardless of when they took the course. If the student has three recorded attempts for a course in any combination of “W”, “D”, “F”, or “NP” grades, the student is not allowed to register for that course a third time.

Remedial Coursework Limit
No student shall receive more than 30 semester units of credit for remedial coursework. Students having exhausted the unit limitation shall be referred for further remedial work to appropriate adult noncredit education services. “Remedial coursework” refers to non-degree basic skills courses as defined in California Code of Regulation, Title 5, section 55000.

The following students are exempted from the limitation on remedial coursework:

1. Students enrolled in one or more courses of English as a Second Language (ESL).

2. Students identified by the district as having a learning disability as defined in section 56036.

Course Repetition: Special Circumstances
Repetition of courses for which substandard work has not been recorded shall be permitted only upon advance petition of the student and with written permission of the College President or designee based on a finding that circumstances exist which justify such repetition. In such repetition under special circumstances, the student's permanent academic record shall be annotated in such a manner that all work remains legible. Grades awarded for repetition under special circumstances shall not be counted in calculating a student's grade-point-average.

Certain courses in the Catalog may be repeated for additional unit credit. These courses, marked “RPT” in the Course Section of the Catalog, allow the student an expanded educational experience each time the student enrolls in the course. Enrollment in these courses is limited in any similar activity to a maximum of three repeats for a total of four (4) enrollments, regardless of the repeatability of individual courses.

The activity limitation also applies to courses which are not repeatable in themselves but for which similar activities exist. For example, there are several similar course titles in Art, Music, Theater, and Physical Education which are considered to be the same activity. A student may enroll four times in courses which are considered to be the same activity, such as twice in Theater 279, Musical Theater (RPT 3), and twice in Theater 280, Musical Theater Workshop (RPT 3).

Any combination may be used as long as 4 enrollments in one activity is not exceeded. A student may enroll in a specific required nursing class a maximum of three times. Enrollment is defined as attending at least one class meeting. However, a student who takes the same clinical nursing course two times, and who does not pass that course either time, may not repeat that course a third time.

This activity enrollment limitation begins with the Fall 1983 term. Excess enrollment will result in an administrative drop. Consult a counselor for the latest restricted activity enrollment list.

Note: Whenever the student's record is reviewed for the purpose of determining his or her unit credits, all of the student's record is reviewed, not just the course work since the beginning of Fall 1983.

Dismissal
A student shall be subject to dismissal and subsequently be dismissed under the conditions set forth within this section. Dismissal shall be determined based on student course work dating from Fall, 1981; course work completed prior to Fall of 1981 is excluded from dismissal calculations. For dismissal, “consecutive semester” are those where a break in the students enrollment does not exceed one full primary term.

Academic Probation: A student who is on academic probation shall be subject to dismissal if the student has earned a cumulative grade-point-average of less than 2.0 in all units attempted in each of three (3) consecutive semesters. A student
who is on academic probation and earns a semester grade-point-average of 2.0 or better shall not be dismissed as long as this minimum semester grade-point-average is maintained. For students receiving Veterans Benefits, if the Veteran fails to achieve a 2.0 grade-point average for two successive semesters, Veterans Benefits will terminate.

**Progress Probation:** A student who is on progress probation shall be subject to dismissal if the cumulative percentage of units in which the student has been enrolled for which entries of No-Credit (NC), Incomplete (I), and/or Withdrawal (W) are recorded in at least 3 consecutive semesters reaches or exceeds fifty percent (50%). A student who is on progress probation shall not be dismissed after a semester in which the percentage of units in which the student has been enrolled for which entries of “I,” “W,” and “NC” are recorded is less than fifty percent (50%).

**Notification of Dismissal**
A student who is subject to dismissal, and who has not been continued on probation throughout the appeal process, shall be notified by the College President, or designee, of dismissal which will become effective the semester following notification. Dismissal from any one college in the District shall disqualify a student from admission to any other college in the District.

**Appeal of Dismissal**
A student who is subject to dismissal may appeal to the Counseling Division Chair and the Vice President of Student Services. Dismissal may be postponed and the student continued on probation if the student shows significant improvement in academic achievement but has not been able to achieve to a level that would meet the requirements for removal from probation.

**Readmission After Dismissal**
A student who has been dismissed may request reinstatement after two (2) semesters (primary terms) have elapsed. The student shall submit a written petition requesting readmission to his/her home College in compliance with the College procedures. Readmission may be granted, denied, or postponed subject to fulfillment of conditions prescribed by the College. Readmitted students are returned to probationary status.

**Final Examinations**
Final examinations are held in all subjects according to a schedule printed in the Schedule of Classes. No student will be excused from the final examinations. Should any circumstances develop requiring a special examination at a time other than the scheduled time, special authorization must be secured from the Dean of Instruction.

**Prerequisites**
Students may not concurrently enroll in and receive credit for an advanced course and its prerequisite(s). Students may not enroll in and receive credit for the prerequisite(s) to an advanced course if they have not successfully completed the advanced course. Violation of this regulation will result in exclusion from class and denial of course credit.

**Course Prerequisite Policy**
Prerequisite means the preparation or previous course work considered necessary for success in the course. The college REQUIRES students to complete prerequisites as pre-enrollment preparation (See Prerequisite Challenge Procedures for conditions under which a prerequisite may not be required). Prerequisites which are listed in the College Catalog include:

1. Courses for which specific prerequisites have been validated,
2. Sequential course work in a degree-applicable program, and/or
3. Sequential course work in certificate programs, and
4. Courses in which a prerequisite is necessary for transfer to a four-year college. (Students are directed to see a counselor prior to the first day of class for questions about prerequisites)

**Prerequisite Challenge Procedures**
A prerequisite challenge requires written documentation which explains alternative course work, background or abilities which have adequately prepared the student for the course. A Prerequisite Challenge Petition form, which is used to file a prerequisite challenge, can be obtained from the counseling office in the Student Services Administration. The form also available at the Mathematics Division Chair Office and English Division Chair Office both located in the Northeast Academic Building.

Reasons for seeking a prerequisite challenge may include one or more of the following:

1. A prerequisite is not reasonably available;
2. The student has the documented knowledge or ability to succeed in the course without meeting the prerequisite;
3. The student believes the prerequisite was established in violation of regulation or in violation of the District-approved processes;
4. The student believes the prerequisite is discriminatory or being applied in a discriminatory manner.

The prerequisite challenge must be completed within two weeks of the beginning of the semester in which the student plans to enroll. Upon filing the prerequisite challenge, the student may enroll into the desired class. If this challenge is not upheld the student will be dropped from the class.

Note: Students must have official transcripts on file in the Admissions and Records Office for all prerequisites completed at other institutions.

Grading Symbols and Definitions

Only the symbols in the grading scale given in this section shall be used to grade all courses offered in fulfillment of the requirements for an associate or baccalaureate degree, a certificate, diploma, or license.

Grades shall be averaged on the basis of the point equivalences to determine a student's grade-point-average, using the following evaluative symbols:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Definition</th>
<th>Grade Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Satisfactory</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>Passing*</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>Failing</td>
<td>0</td>
</tr>
<tr>
<td>P</td>
<td>Passing**</td>
<td></td>
</tr>
<tr>
<td>NP</td>
<td>No Pass***</td>
<td></td>
</tr>
</tbody>
</table>

* Less than satisfactory

** At least equal to a “C” grade or better – units awarded are not counted in GPA. P has the same meaning as “CR” as that symbol was defined prior to June 30, 2007.

*** Equal to a “D” or “F” grade- units are not counted in GPA. NP has the same meaning as “NC” as that symbol was defined prior to June 30, 2007.

(P and NP grades may be given only in courses authorized by the District Pass/No Pass Option Policies.)

The following non-evaluative symbols may be entered on a student’s record:

I - Incomplete

Incomplete academic work for unforeseeable, emergency, justifiable reasons at the end of the term may result in an “I” symbol being entered in the student's record. The condition for removal of the “I” shall be stated by the instructor in a written record. This record shall contain the conditions for removal of the “I” and a record shall be given to the student. A copy will also be on file in the college Admissions Office until the “I” is made up or the time limit has passed. A final grade shall be assigned when the work stipulated has been completed and evaluated, or when the time limit for completing the work has passed.

The “I” symbol shall not be used in calculating units attempted nor for grade points. THE “I” MAY BE MADE UP NO LATER THAN ONE YEAR FOLLOWING THE END OF THE TERM IN WHICH IT WAS ASSIGNED. The student may petition for a time extension due to unusual circumstances.

Note: Courses in which the student has received an Incomplete (“I”) may not be repeated unless the “I” is removed and has been replaced by a grade of “D” or “F”. This does not apply to courses which are repeatable for additional credit.

IP - In Progress

The “IP” symbol shall be used only in those courses which extend beyond the normal end of an academic term. “IP” indicates that work is “in progress,” but that assignment of a substantive grade must await its completion. The “IP” symbol shall remain on the student's permanent record in order to satisfy enrollment documentation.

The appropriate evaluative grade and unit credit shall be assigned and appear on the student’s record for the term in which the required work of the course is completed. The “IP” shall not be used in calculating grade-point-averages.

If a student enrolled in an “open-entry, open-exit” course is authorized after informing the appropriate faculty. A student who remains in class beyond the twelfth week or 75% of the time the class is scheduled to meet, whichever is less. No notation (“W” or other) shall be made on the record of a student who withdraws during the first four weeks, or 30% of the time the class is scheduled, whichever is less.

Withdrawal between the end of the fourth week (or 30% of the time the class is scheduled to meet, whichever is less) and the last day of the twelfth week of instruction or 75% of the time the class is scheduled to meet, whichever is less) shall be authorized after informing the appropriate faculty. A student who remains in class beyond the twelfth week or 75% of the time the class is scheduled to be given a grade other than a “W,” except in cases of extenuating circumstances.

After the last day of the twelfth week (or 75% of the time the class is scheduled, whichever is less), and after consultation with the appropriate faculty, students should obtain a petition in the Admissions Office. Extenuating circumstances are verified cases of accidents, illness, or other circumstances beyond the control of the student. Withdrawal after the end of the twelfth week (or 75% of the time the class is scheduled, whichever is less) which has been authorized in extenuating circumstances shall be recorded as “W.” The “W” shall not be used in calculating units attempted nor for the student’s
grade-point-average. “W’s” will be used as factors in progress probation and dismissal.

**MW - Military Withdrawal**

“Military withdrawal” occurs when a student who is a member of an active or reserve United States military service receives orders compelling a withdrawal from courses. Upon verification of such orders, a “MW” may be assigned at any time after 30% of the time the class is scheduled to meet. No notation (“W” or other) shall be made on the records of a student who withdraws during the first 30% of the time the class is scheduled. Enrollment fees will be refunded with military withdrawals. Military withdrawals shall not be counted in progress probation and dismissal calculations.

**Grades and Grade Changes**

The instructor of the course shall determine the grade to be awarded to each student in accordance with the preceding Grading Symbols and Definitions Policy. The determination of the student’s grade by the instructor is final in the absence of mistake, fraud, bad faith, or incompetence. The removal or change of an incorrect grade from a student’s record shall only be done upon authorization by the instructor of the course.

In the case of fraud, bad faith, or incompetence, the final determination concerning removal or change of grade will be made by the College President. Petitions for Grade Review must be filed with the Admissions and Records Office within one year from the last day of the semester in which the disputed grade was awarded.

**SPECIAL CREDIT**

**Credit by Examination**

The College may designate courses listed in the College Catalog wherein any student who satisfies the following requirements may be granted credit by examination in place of enrolling in and completing such courses:

1. Be currently registered and have a minimum cumulative grade-point-average of 2.0.
2. Have completed 12 units within the Los Angeles Community College District.
3. Is not currently enrolled in, or has not completed a more advanced course in this discipline.
4. Prerequisites (if any) for course are complete.

Limitation on Petitioning for Examination: The maximum number of units for which a student may petition for credit by examination for the Associate degree at the College shall be 15 units.

Maximum Units Allowable: The maximum number of credit by examination units with a grade of “P” that may be applied toward graduation requirements shall be limited to 15 units.

Acceptance Towards Residence: Units for which credit is given pursuant to the provision of this section shall not be counted in determining the 12 units of credit in residence requirement.

Recording of Grade: Credit by examination shall be entered on the student’s record as “P” or “NP” (or “CR” or “NC” prior to June 30, 2007) as provided by the District Grading Symbols and definitions Policy. The student’s record shall also be annotated “Credit by Examination”.

The college grants credit by examination to students who can demonstrate mastery of specific subject matters. The purpose is to avoid needless repetition and to allow appropriate credit for knowledge not acquired in the classroom. Credit by examination may be recognized in the following ways:

**Advanced Placement**

Credit for AP tests may be made by each department on a petition basis.

Each student should also check AP credits given by the university to which they want to transfer as this differs from campus to campus. Consult a counselor for procedures at Harbor College and policies of universities.

**College-Administered Examination**

Satisfactory completion of an examination administered by the College according to the district policy stated above. Achievement based on examinations administered by other agencies must be approved by the College. The charge for college-administered credit by exam is $20 per unit, subject to change by the state legislature or the LACCD Board of Trustees.

**CLEP**

After completing 12 units at Harbor College, a registered student in good academic standing (not on probation) may petition for College Level Examination Program credit. The student must file a General Petition in the Admissions Office. Harbor College will grant 3 elective units for each of the five General Examinations passed with a score of 500 or higher. No specific course credit is granted for CLEP, and it cannot be used to fulfill General Education requirements, except by General Petition.

The student may be granted a maximum of 15 units of credit, with a three-unit maximum in each of the following areas: English Composition; Social Science/History (this credit will not satisfy the general education requirement in American Institutions); Natural Sciences, not including a laboratory requirement; Mathematics; and Humanities.

Students may not receive credit by enrollment in or by examination for the prerequisite(s) to an advanced course if they have completed the advanced course.

Students who qualify under (a), (b), and (c) above must present evidence to the division chairman of having received equivalent education or experience in other than traditional educational setting. The Credit by Examination option is not available for laboratory classes.
Credit for Courses Completed at Non-Accredited Institutions

Students transferring from non-accredited institutions may, after successful completion of 30 units with a "C" or better grade-point-average, apply for up to 15 units of credit in courses which parallel the offerings of the College.

Students who wish to apply for credit at Harbor College for course work completed at non-accredited institutions must request in writing to the appropriate Division Chairman that he or she evaluate the course work. This evaluation should be done at the time of the student's entry to Harbor College, not after completion of the College's 30-unit requirement of accredited course work; however, credit for the course work taken at non-accredited institutions will not be awarded until the 30-unit requirement is completed.

Students are encouraged to consult with a counselor at the time of entry to Harbor College to avoid duplication of course work taken at non-accredited institutions.

Credit for Graduates of Diploma Schools of Nursing

The following amount of credit is authorized for graduates of Diploma Schools of Nursing who enter the Los Angeles Community Colleges. Thirty (30) semester units of credit will be given to graduates of Diploma Schools of Nursing under the following conditions:

The student presents a valid, current California license as a licensed registered nurse to the designated administrative officer;

The student has completed at least 12 units of credit at the College to which application is made.

The work of graduates of Diploma Schools of Nursing outside California will be recognized if the student has a valid, current California license. Credit will be given even though the license was obtained on the basis of reciprocity with another state rather than by examination.

Candidates for the Associate in Arts or Associate in Science Degree are exempt from Health Education as a general education requirement. No other general education requirements will be waived.

Additional courses in Nursing may be taken for credit only upon approval of the Nursing Department. The transcript is not to reflect the major field nor should the diploma, where given, indicate Nursing as a major.

Credit for Military Service Training

Students who are currently serving in or have served in the military service, may, after successful completion of at least one course with the Los Angeles Community Colleges, request an evaluation of credit earned through military service training schools and/or military occupational specialties.

Credit for Law Enforcement Academy Training

Credit for basic recruit academy training instructional programs in Administration of Justice or other criminal justice occupations shall be granted as follows:

Credit will be given for training from institutions which meet the standards of training of the California Peace Officers Standards and Training Commission.

A single block of credit will be given and identified as academy credit.

One (1) unit of credit may be granted for each 50 hours of training, not to exceed ten (10) semester units or their equivalent.

Credits granted by an institution of higher education for basic recruit academy training, under the above provisions, shall not be identified as equivalent to any required course in the major.

Credit for Courses Completed at Foreign Colleges and Universities

Students must first have their transcripts evaluated by a foreign transcript evaluation service and then petition for course equivalences at Los Angeles Harbor College. Please see a counselor for further instructions.

Pass/No-Pass Option

The College President may designate courses in the College Catalog wherein all students are evaluated on a "pass/no-pass" basis or wherein each student may elect at registration, or no later than the end of the first 30% of the term, whether the basis of evaluation is to be "pass/no-pass" or a letter grade. These courses will be noted in the College Catalog as being eligible for the Pass/No-Pass Option.

Usage for Single Performance Standard: The credit/no-credit grading system shall be used in any course in which unit credit is assigned. A grade of Pass (P) shall be assigned for meeting that standard, and a grade of No-Pass (NP) shall be assigned for failure to do so.

Acceptance of Credits: All units earned on a "pass/no-pass" basis in accredited California institutions of higher education or equivalent out-of-state institutions shall be counted in satisfaction of community college curriculum requirements.

Recording of Grade: A student who is approved to be evaluated on the "pass/no-pass" basis shall receive both course credit and unit credit upon satisfactory completion of the course. Satisfactory completion for credit is equivalent to the grade of "C" or better. A student who does not perform satisfactorily will be assigned a "No Pass" (NP) grade.

Grade Point Calculation: Units earned on a “pass/no-pass” basis shall not be used to calculate grade-point-averages. However, units attempted for which "No-Pass" (NP) is recorded shall be considered in probationary and dismissal procedures.
Standards of Evaluation: The student who is enrolled in a course on a “pass/no-pass” basis will be held responsible for all assignments and examinations required in the course and must meet the standards of evaluation which are identical for all students.

Conversion to Letter Grade: A student who has received credit for a course taken on a “pass/no-pass” basis may not convert this credit to a letter grade.

Course Repetition: A student who has received a grade of “No-Pass” (NP) may repeat the course by meeting the requirements set forth by the District Course Repetition to Improve Substandard Grades Policy. Students wishing to take a course on a credit/no-credit basis should submit the appropriate form to the Records Office before the sixth week of the semester or the first week of the summer session.

A student may elect to take one course per semester on a credit/no-credit basis, in addition to any courses offered solely on a credit/no-credit basis. A maximum of fifteen (15) units of credit can be applied to the Associate in Arts or the Associate in Science degree. All courses offered by Los Angeles Harbor College are available to be taken on a pass/no-pass basis.

Study Load Limitations
A study load is defined as the total subjects and units carried in a program in any one semester. Sixteen units, including physical education, constitute the normal semester program. Twelve units are considered to be minimum full-time enrollment. In some cases a semester program may require more than sixteen units for the student to complete a major in the normal two-year period. Permission to carry a load in excess of eighteen units may be granted to individuals depending on the excellence of their previous semester’s academic work. This permission is granted by a counselor. The State Education Code specifies that each lecture hour of a community college class requires at least two hours of study outside of class.

Students who plan to transfer from Los Angeles Harbor College to other collegiate institutions should recognize that, in general, a maximum load of eighteen units per semester will be accepted credit by other colleges. Harbor College reserves the right to limit the number of units in which students on probation may enroll.

Concurrent Enrollment
Concurrent enrollment in more than one section of the same course during a semester is not permitted, with the exception of certain Physical Education classes on a limited basis.

Concurrent enrollment in courses which are cross-referenced to each other is not permitted (i.e., courses designated “same as” in the District Directory of Educational Programs and Courses). Violation of this regulation will result in exclusion from class and denial of course credit in both courses.

Enrolling in classes scheduled or conducted during overlapping times is not permitted. In addition to exclusion from both classes and denial of credits, violators will be subject to disciplinary action (See Standards of Student Conduct.)

Academic Renewal
Students may submit a petition to the Office of Admissions and Records to have their academic records reviewed for academic renewal action of substandard academic performance under the following conditions: Students must have achieved a grade-point-average of 2.5 in their last 15 semester units, or 2.0 in their last 30 semester units completed at any accredited college or university, and at least one calendar year must have elapsed from the time the course work to be removed was completed. Official transcripts are required from the most recent colleges attended.

If the above conditions are met, academic renewal shall be granted, consisting of:

- Eliminating from consideration in the cumulative grade-point-average up to 30 semester units of course work from all coursework taken within the Los Angeles Community College District, and annotating the student academic record indicating where courses have been removed by academic renewal action. Academic renewal actions are irreversible.

Graduation honors and awards are to be based on the student’s cumulative grade-point-average for all college work attempted. This policy is adopted for use in the Los Angeles Community College District only. Other institutions may differ and students planning to transfer to another college should contact that institution regarding its policy.

Transcripts
Upon written request of the student, a copy of the student’s academic record shall be forwarded to the student or his or her designated addressee promptly by U.S. mail, electronic transmission (if within the participating network) or other responsible forwarding agency. All official transcripts must be sent directly from the college attended to our admissions office, no hand carried (by staff or students) official transcripts will be accepted. Unofficial transcripts may be hand carried for meeting with a counselor, prerequisite requirements or other advisory uses. Transcripts from another institution are not available for copying. The cost of transcripts is subject to change each semester.

A student or former student shall be entitled to two free copies of the transcript of his or her record or to two free verifications of student records. Additional copies shall be made available to the student, or to an addressee designated by the student, at a cost of $3. Students may request special processing to expedite their request for an additional fee of $7. This option is subject to the college’s ability to provide this service. The student’s transcript may be withheld if 1) any library books or other library materials or college equipment are charged to the student and are unreturned, or 2) there are any unpaid fees or charges due to the College. The transcript may be withheld until these obligations of the student to the College are discharged.
Los Angeles Harbor College offers courses leading toward the following objectives: Transfer to a four-year university, associate in Arts Degree (AA) and associate in Science Degree (AS), Occupational Certificates, and Skills Awards.

### INSTRUCTIONAL PROGRAMS

#### Transfer

Four-year universities require students to complete certain requirements for the bachelor’s degree; among these are general education and major requirements. Los Angeles Harbor College offers transferable courses which are equivalent to the lower division (i.e. Freshman and Sophomore) requirements at most colleges and universities in the U.S. The following is a partial list of colleges and universities in California:

- University of California, Los Angeles (UCLA); UC Berkeley; UC Davis; UC Irvine; UC Riverside; UC San Diego; UC Santa Barbara; UC Santa Cruz; UC San Francisco; University of Southern California (USC); California State University, Northridge; CSU Los Angeles; CSU Long Beach; CSU Dominguez Hills; California State Polytechnic University, Pomona; California State Polytechnic University, San Luis Obispo; Stanford University, and Pepperdine University.

With counseling and careful planning a student can, in most instances, transfer as a junior with his/her lower division major requirements and appropriate general education requirements complete. Students who were ineligible to enter the California State University (CSU) or the University of California (UC) from high school can become eligible for transfer upon completion of 60 transferable units to CSU and 60 transferable units to UC (provided the appropriate grade and course requirements have been met).

Below is a list of the majors in which students can transfer:

- Accounting; Administration of Justice; Anatomy; Anthropology; Art; Astronomy; Biology; Botany; Business; Chemistry; Child Development; Cinema; Communication Studies; Dental Hygiene; Dentistry; Economics; Education; Engineering; Liberal Arts; English; Ethnic Studies; Family & Consumer Sciences; Foreign Language; Geography; Geology; Health Education; History; Humanities; Industrial Arts; Journalism; Law; Physical Education; Library/Media; Linguistics; Mathematics; Medicine; Meteorology; Music; Nursing; Occupational Therapy; Oceanography; Optometry; Pharmacy; Philosophy; Statistics; Physical Science; Physical Therapy; Physics; Physiology; Political Science; Psychology; Public Administration; Recreation Studies; Social Welfare; Sociology; Speech Communications; Television Broadcasting; Theater Arts; Urban Studies; Veterinary Medicine; Zoology.

#### Associate Degree (AA) and (AS)

Accounting; Administration of Justice; Architectural Technology; Art; Business; Business Administration; Chemistry; Child Development; Computer Applications and Office Technologies (CAOT): Administrative Assistant, Legal Office Assistant, and Medical Office Assistant; Computer Information Systems; Computer Technology; Culinary Arts; Drafting Production and Design; Early Childhood Education; Electronic Engineering; Engineering; Engineering Technologies: Electronics; Engineering Technologies: Mechanical/MFG; English; Fire Technology; History; Kinesiology; Liberal Arts and Sciences: Arts and Humanities, Health and Fitness, Mathematics and Natural Sciences, and Social and Behavioral Sciences; Mathematics; Music; Nursing: Professional and LVN to RN; Psychology; Real Estate; Studio Arts

#### Associate Degrees for Transfer

California Community Colleges are now offering associate degrees for transfer to the CSU. These may include Associate in Arts (AA-T) or Associate in Science (AS-T) degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T degree are guaranteed admission with junior standing somewhere in the CSU system and 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.

To view the most current list of Los Angeles Harbor College Associate Degrees for Transfer and to find out which CSU campuses accept each degree, please go to http://www.lahc.edu/studentservices/counseling/AssociateDegreesforTransfer.html. 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.

#### Certificate of Achievement

The Certificate of Achievement is awarded upon completion of a sequence of courses leading to a specific area of employment. It is designed for those students who have limited time to pursue their formal education and who wish to specialize in a particular employment.

- Administration of Justice; Architectural Technology; Business Administration; Computer Applications Office Technologies: Accounting Clerk, Legal Office Assistant, Medical Office Assistant, Microcomputer Applications, Office Administration, and Office Automation; Child Development; Computer Technology; Cook Culinary Arts (Advanced); Culinary Arts;
INSTRUCTIONAL PROGRAMS AND ALTERNATIVES

Drafting; Electronic Engineering: Electronic Technician; Fire Technology; Kinesiology: Physical Education; Music: Copying and Notation, Electronic Music, Instrumental Performance, Music Arranging, Private Teaching, Recording Arts and Vocal Performance; Physical Education; Real Estate

Skills Certificate
Skills Certificates are offered for students who wish to pursue a career or trade. Students will be most successful in these programs if they have at least a 10th grade reading level and keyboarding skills. Accounting; Accounting Taxation; Architectural Technology; Architecture; Design, Environmental Graphics, and Production Drafting; Art: Media Arts-Digital Design; Business: Finance, Legal Studies, Management and Supervision, Marketing, Retail Management, Retail Management (Advanced); Computer Applications Office Technologies (CAOT): Administrative Assistant, Business Software Application, Clerical Records Filing, Keyboarding, Legal Office Assistant, Medical Office Assistant; Computer Information Systems: Programming, Web Development; Computer Technology: Fiber Optics, Computer Network, and Computer Repair; Cook Culinary Arts; Cook Culinary Arts (Advanced); Real Estate: Property Management; Music: Copying and Notation, Electronic Music, Instrumental Performance, Music Arranging, Private Teaching, Recording Arts, Songwriting

INSTRUCTIONAL ALTERNATIVES

Extension Program

Office of Community Services and Continuing Education
The Extension Program Office of Community Services and Continuing Education’s primary purpose is to meet the personal and professional developmental needs of the community by providing continuing non-credit education in an ongoing program of classes, workshops, seminars, and experiential learning opportunities. The following is a description of services provided:

Community education and extension classes - The Extension Program offers over 1,000 not-for-credit fee based classes per year in: Recreation, The Arts, Career Development, Computers, Business and Entrepreneurship, Finance, Investments, Travel, Personal Development, Home Improvement, and Humanities. We have a diverse program for youth in our year round “College for Kids,” which includes after school and Saturday courses, as well as a large summer program with complete sessions for ages 5-15.

Continuing Education non-credit “no-fee” classes - In our Continuing Education non-credit “no-fee” curriculum, we offer courses in Vocational Education. There is no required fee for students, and you may enroll as often as you like in any of these courses.

Programs and Services - Additional programs and services include Certified Typing Tests and a weekly Swap Meet.

Registration - Students may register online at www.lahc.edu/ext, in person during business hours, by phone using MasterCard, Visa, or Discover, or by facsimile using the FAX number (310) 233-4686. The program welcomes suggestions for new class offerings. For further information call (310) 233-4450 or write The Extension Program, 1111 Figueroa Place, Wilmington, CA 90744.

The Extension Program is a self-supporting branch of Los Angeles Harbor College.

Evening and Outreach
The Evening and Outreach program presents college-level classes in academic, business, and technical fields. It is an extension of the day college, inasmuch as the same classes and educational programs are offered in the day, in the evening, on weekends, on campus and off campus. Please consult the Schedule of Classes each semester for credit courses being offered in the community at sites convenient to your home or place of employment. A staff of counselors is available during evening hours to assist students with academic, vocational, or personal problems affecting their college work.

CalWORKs/GAIN (Greater Avenues for Independence)
Greater Avenues for Independence (GAIN) is an educational program for students on temporary aid to needy families (TANF). The goal is to provide an educational environment where students may develop the needed skills in English as a Second Language, Adult Basic Education, and GED preparation. Students also learn vocational skills that will lead to meaningful employment. To receive more information contact the CalWorks office in the Job Placement and Training Services Center, Office Village 2, Monday through Friday 9:00 a.m. to 5:00 p.m. at (310) 233-4447.

International Education Program Study Abroad Classes
College credit classes are offered for the Los Angeles Community College District by the International Education Program. With instructors selected from all nine colleges in the District, classes are taught in over twenty countries around the world. Scheduled at various times throughout the year, opportunities for study currently include Spanish language and civilization, history, and art instruction in Mexico and Spain, French, French Civilization and art in Paris, Italian, Italian Civilization and art in Italy, Marine Biology in Mexico, theater in England, humanities in Europe, and Creative Writing in Prague. New programs include a semester in Oviedo, Spain, again being offered is the very popular semester in Cambridge, England. On-site investigations of the history and culture of
other nations provide students and their instructors with some of the best educational experiences of their lives.

The LACCD is a member of California Colleges for International Education, a consortium of colleges offering semester programs in Paris, England, Germany, Mexico, China, and Spain. The International Education Program also cooperates with the Community Services Programs at District colleges in offering non-credit travel study programs.

The International Education Program expresses the shared commitment of the Los Angeles Community Colleges in furthering the development of international and intercultural awareness.

**ITV/The Weekend College**

Each semester the ITV/The Weekend College program of the Los Angeles Community College District offers transferable college classes that meet general education and transfer requirements for all students in the LA District. The program uses a blended instructional format combining video lessons broadcast on television and available in video streaming, an online component (Etudes) and weekend class meetings. The classes are offered in 8-week sessions.

Instructional Television classes are convenient, flexible and especially suitable for working adults and college students wanting to supplement their on-campus program for those times when campus attendance is difficult or not possible. Students complete 2/3 of a class on their own time and 1/3 of the class by attending the classes on the weekend. Students view video lessons at home or by video streaming (the videos are also in the Harbor College LRC), complete online quizzes, participate in discussion forums, reading and study assignments online and attend weekend class meetings at one of four colleges: Southwest or City College on Saturdays or Valley or Pierce College on Sundays. Transcripts are issued by our sister college, LA Mission College.

A Los Angeles Community College instructor with virtual and telephone office hours is assigned to each course. Students enrolled in classes keep in touch with faculty by telephone, the class website, email, as well as at the weekend seminars. Interested students are advised to speak with their college counselors or may contact ITV directly at (800) 917-9277 or (818) 833-3594. To see a full schedule of classes go to the class website, email, as well as at the weekend seminars.

PACE students are required to:

- Attend class one evening per week and every other Saturday
- Complete online assignments

Students will earn 12-13 general education units per semester. The five semester PACE curriculum is designed to meet the lower division General Education requirements for the University of California and the California State University institutions. Therefore, PACE offerings emphasize those courses that are mandated by the Liberal Arts-Transfer, CSU General Education certification, and IGETC requirements. For more information contact the Harbor College PACE Program via email at pace@lahc.edu or visit the website at http://www.lahc.edu/classes/pace/.

**Honors Transfer Program**

The Honors Transfer Program is a cooperative effort between Los Angeles Harbor College and the Following institutions:

UCLA, UC Berkeley, UC Irvine, Loyola Marymount University, Azusa Pacific University, Mills College, Occidental College, Chapman University, Pitzer College, Pomona College, and La Sierra University. Students who complete the honors curriculum and preparation in their major with at least a 3.1 grade point average will receive priority admission consideration. Please view the following website for specific admission, scholarships and admission to university Honors Programs criteria for each college listed above: www.honorstcc.org/transfer/agreements.html

**Honors Transfer Requirements:**
Completion of preparation for the major
Completion of 6 honors courses
Completion of all lower division breadth curriculum or IGETC
Completion of a minimum of a 3.1 grade point average or higher as required by the transfer institutions

Participation in at least one form of campus or community service

**Honors Admission Requirements:**
Admission to this program is limited to students who meet at least one of the following criteria:
University of California eligible high school graduates. (Student must provide official high school transcripts, SAT or ACT test reports.)
High school graduates with a 3.2 GPA who are recommended from their high school counselors
Students currently enrolled at Los Angeles Harbor College with a grade point average of 3.0 or higher, with at least 12-15 UC transferable units and English 101 eligibility

**Honors Curriculum**
English 101, English 102, History 1, Humanities 1, Psychology 1, Philosophy 1, Anthropology 101, Music 101, Music 111, Biology 5, Political Science 1, Oceanography 1 and 10, Art 101

Selected courses may be taken for contract honors credit by the approval of the honors counselor or director of the program. For more information call (310) 233-4038, Email: puebloyu@lahc.edu,ariasjj@lahc.edu or visit the Students Services and Administration Building, SSA 130.
Frequently Asked Questions by All Students

1. What type of goal may I pursue at Harbor College?
   Harbor College provides a number of options for community college students:
   - Obtaining an A.A. or A.S. degree from the college
   - Obtaining a certificate of competence in a vocational area.
   - Preparing to transfer to a university.
   - Taking courses to enhance or learn a skill.
   - Taking courses for personal interest.

2. What if I am undecided about my goals?
   You should discuss your educational and career plans with a counselor. Our Career Center can help you determine which aptitudes might lead you into a successful field of employment. A counselor can help you choose courses which will prepare you for a variety of options.

3. What is the difference between the Associate in Arts and the Associate in Science degree?
   The college offers AA and AS degrees for both transfer and non transfer students. In order to understand them, let’s take them in order:
   
   Degrees for students who wish to transfer:
   - The college offers a Liberal Arts and Sciences degree, which, when completed along with major requirements, allows for transfer. In order to choose the option which is best for you, it is important to see a counselor.
   - Degrees for students who do not wish to transfer: In most occupational areas, the Associate in Science degree can be earned in a specific occupational field. Students can also earn a Liberal Arts Associate in Arts non transfer degree. This is typically chosen by students who want to increase their breadth of knowledge, for personal interest or for job advancement.

4. How long may I take to complete a college program?
   If you are not receiving financial aid or veterans benefits, there is no time limit for degree or certificate requirements. If you are receiving financial aid:
   - Won’t the requirements change if I take a long time to finish a degree or certificate?
   - If you are continuously enrolled, the requirements stated in the catalog during the year you begin will remain applicable throughout your stay at Harbor College.

Frequently Asked Questions by Transfer Students

1. If I obtain a degree from Harbor, am I automatically ready to transfer to a university?
   Not necessarily. You must follow your major and general education requirements for the university of your choice. A counselor can help you choose between following the CSU General Education Requirement, the UC Breadth Requirements, or the Intersegmental General Education Transfer Curriculum (IGETC) requirements, which allow you to transfer to either the UC or CSU systems. Private colleges have individual general education articulation agreements with Harbor College; a counselor can help you interpret the necessary coursework for any private college. The important thing to remember is that you must see a counselor early in your college career, so that you can make the most informed choices.

2. What is meant by General Education coursework?
   General Education courses are a range of core subjects which focus upon critical thinking, reading and writing, analysis, criticism and synthesis of information. They provide the broad base of knowledge which provides a foundation of learning outside your major area of study. For a list of general education options, consult the contents of the catalog and see a counselor for clarification.

3. What is meant by General Education certification?
   There are two types of General Education certification:
   
   1. All CSU's require a common pattern of 39 units. Harbor College will certify your completion. CSU will honor this certification; that is they will not require additional courses in lower division General Education after transferring. Completion of general education requirements is not necessarily a requirement for university admission; students can often finish general education requirements at the university level after transfer. If possible, however, completing all general education courses at Harbor is strongly advised.
   2. All CSU's and UC's participate in the IGETC (Intersegmental General Education Transfer Curriculum). This package allows a student to take a core group of general education transfer courses which, in combination with completion of courses required in preparation for a major, will allow transfer to any CSU or UC campus. If you choose this option, you must complete the general education coursework, and be fully certified by Harbor College, before transferring. Partial certification is allowed only with prior approval and
for a specific hardship that occurred in the final term before transfer.

4. If I plan to transfer, is it best to concentrate on preparation for my major or fulfilling my general education coursework?

Generally, it is best to complete both requirements. Some majors require few preparatory courses, in which case you can complete all coursework prior to transfer. However, some majors, particularly in science, may require many preparatory courses. In this case, concentrate on fulfilling those and fill in with as many GE courses as possible.

5. Can I earn an Associate degree and meet the requirements for transfer at the same time?

Yes. Often the requirements for transfer will meet the requirements for the Associate degree. However, if you find that you will need more than 70 units to complete both requirements, see a counselor to determine the most feasible plan.

Frequently Asked Questions about Occupational Programs

1. What is the purpose of occupational education?

Occupational education benefits both our students and our local employers. Students benefit by gaining knowledge and skills which meet the needs of area employers. Local business and industry benefit from the pool of skilled workers. Each program is based upon current needs of the area's industry; a good example is our Drafting and General Engineering program.

2. How can I be sure that the skills I gain will be useful in the job market?

Each occupational program follows the recommendations of an advisory committee made up of area local business and industry leaders and educators who are experts in the field and in the job market.

3. Will I be current in what I learn?

Harbor makes every effort to use the latest equipment and information found in business and industry. A recent example was the donation of nearly one hundred thousand dollars in support of our Drafting/CAD program by ACE Clear Water Enterprises.

4. Do I need prior experience to enter an occupational program?

Harbor has designed our occupational programs for ease of access so that you can start without specialized experience in the field. Basic skill levels, of course, are helpful when entering any program, and are prerequisites to some programs.
DIVISION AND PROGRAM LISTING

BUSINESS
Division Chair: Dr. Stanley Sandell

Career Technical Education Programs
Accounting, Business Administration,
Computer Information Systems,
Computer Applications and Office Technology

Disciplines
Accounting, Business,
Computer Information Systems, Finance,
International Business, Management,
Marketing, Computer Applications and Office Technology, Real Estate, Supervision

COMMUNICATIONS
Division Chair: Carmen Carrillo

Disciplines
Developmental Communications, English,
ESL, French, Japanese, Journalism, Spanish,

COUNSELING
Division Chair: Joy Fisher

Career Center
Honors
Information Desk
Orientation
Transfer Center

Disciplines
Counseling (formerly Personal Development)

HEALTH SCIENCES
Division Chair: Lynn Yamakawa

Career Technical Education Programs
CNA/Home Health Aide
Professional Nursing,
Emergency Department Assistant

Disciplines
Nursing

HUMANITIES & FINE ARTS
Division Chair: Juan Baez

Career Technical Education Programs
Architectural Technology,
Commercial Music

Disciplines
Architecture, Art, Cinema, Communication Studies,
Environmental Design, Humanities, Music, Philosophy,
Photography, Theater

LIBRARY
Division Chair: Jonathon Lee

Library Science

MATHEMATICS & TECHNOLOGY
Division Chair: Farzaneh Saddigh

Career Technical Education Programs
Computer Technology, Drafting, Production Design,
Electromechanical Engineering Technologist, Industrial Engineering Technology, Process Plant Technology

Disciplines
Computer Science, Computer Technology, Electronics,
Engineering Tech., Drafting, General Engineering,
Mathematics, Process Plant Technology,

KINESIOLOGY, HEALTH & WELLNESS
Division Chair: Nabeel Barakat

Dance, Health, Kinesiology

SCIENCE, FAMILY & CONSUMER STUDIES
Division Chair: Joyce Parker

Career Technical Education Programs
Child Development
Culinary Arts

Disciplines
Anatomy, Astronomy, Biology, Chemistry,
Child Development, Culinary Arts,
Environmental Science, Family and Consumer Studies, Geography, Geology, Microbiology,
Oceanography, Physiology, Physical Science, Physics

SOCIAL & BEHAVIORAL SCIENCES
Division Chair: Bradley Young

Career Technical Education Programs
Administration of Justice, Fire Technology

Disciplines
Administration of Justice, Anthropology,
Economics, Education, Fire Technology,
History, Learning Foundations, Learning Skills,
Personal Development, Political Science,
Psychology, Service Learning, Social Science, Sociology
ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

Graduation Requirements

The Board of Governors of the California Community Colleges has authorized the Los Angeles Community College District Board of Trustees to confer the degrees of Associate in Arts and Associate in Science.

The awarding of an Associate Degree symbolizes a successful attempt on the part of the College to lead students through patterns of learning experiences designed to develop certain capabilities and insights.

Among these are the ability to think and to communicate clearly and effectively both orally and in writing; to use mathematics; to understand the modes of inquiry of the major disciplines; to be aware of other cultures and times; to achieve insights gained through experience in thinking about ethical problems; and to develop the capacity for self-understanding.

In addition to these accomplishments, the student should possess sufficient depth in some field of knowledge to contribute to lifetime interest. The following requirements apply to students entering for the first time after Fall 2009.

Continuing students with uninterrupted attendance and demonstrating satisfactory progress, exclusive of summer session, should refer to the graduation requirements listed in the catalog in effect at the time of their initial enrollment.

A continuing student is one who has completed a minimum of one course per calendar year, except that completion with a "W" will be accepted for one semester only. Students who interrupt their attendance become subject to any new requirements which are in effect at the time they re-enroll.

Note: While a course might satisfy more than one general education requirement, it may not be counted more than once for these purposes. A course may meet a general education requirement for the Associate Degree and also partially satisfy a general education requirement at the California State University.

Unit Requirement: A minimum of 60 degree applicable semester units of course credit in a selected curriculum. One credit hour of community college work is approximately three hours of recitation, study, or laboratory work per week throughout a term of 16 weeks.

Scholarship Requirement: A "C" (2.0) grade point average or better in all work attempted.

Competency Requirement: Students must demonstrate competence in reading, in written expression, and in mathematics. The following courses and examinations are approved to meet the competency requirement for the associate degree as defined in Board Rule 6201.12:

The competency requirement in reading and written expression may be met by:

Completion of a course in College Reading and Composition with a grade of "C" or better; or

Completion of the following course with a grade of "C" or better:

**English 101: College Reading and Composition I; or satisfactory performance on a reading and writing competency test, recommended by the College English faculty and approved by the College President.**

Effective Fall 2009, mathematics competency must be demonstrated by achieving a satisfactory score on an approved competency examination or a grade of “C” or better in Math 123C or a higher level Mathematics course (excluding Math 160), or Statistics 1.

Note: Students continuously enrolled prior to Fall 2009 will not be affected by this requirement.

Residence Requirement: Students must complete at least twelve (12) units of work in residence with at least six (6) units, in the major for the degree being awarded, at the college conferring the degree. The governing Board may make exceptions when it determines that an injustice or undue hardship would be placed on the student.

Course Requirements. Students who are majoring in programs of study for which 18-35 units are required in the major shall complete Graduation Plan A. Students who are majoring in programs of study for which 36 or more units are required in the major shall complete Graduation Plan B. Community colleges offer curricula paralleling the first two years of Bachelor’s degree programs, as well as those preparing for employment at the completion of the Associate degree. These categories are not mutually exclusive, however, and the definition of a transfer course is somewhat complicated.

Each four-year institution decides for itself on the acceptance of courses from other colleges. In general, its policy will apply equally to entrants from community colleges and from other four year colleges, with two exceptions:

- All four-year colleges impose a limit to the number of community college credits they will accept, and
- Community colleges offer remedial and vocational courses that are not intended for transfer.

In this context, a community college course can be transferable in any one of the following ways:

As meeting lower-division requirements of the major. The course must correspond almost exactly to the comparable course at the 4-year college in content, prerequisites and unit value. Consult a counselor or www.assist.org for more information.

As applying to general education requirements. Most four-year colleges are flexible in accepting courses for this purpose, provided that they are in
the proper categories, such as physical science and humanities. In some cases, an institution will accept only those courses paralleling its own lower division offerings.

As elective credit. A course which is not acceptable as part of the major or as general education credit may be accepted as an elective. This signifies that it will apply to the total unit requirement for the Bachelor’s degree. Four-year institutions are generally liberal in accepting courses for elective credit, but may exclude vocational courses or specialized courses which they do not offer.

For subject credit only. Acceptance of a course for subject credit only, without unit credit, usually takes place in one of the following situations:

1. The student has accumulated as many units as the 4-year college will accept from a community college.
2. The corresponding course at the 4-year college is an upper division course.
3. The course is a prerequisite for a course in the student’s major, but the prerequisite is normally completed in high school.

Federal Student Right To-Know Rates (SRTK)

All community colleges are required to provide their SRTK rates. The following are 2008 data for Los Angeles Harbor College from the California Community Colleges State Chancellor’s office (http://srtk.cccco.edu/index.asp)

Completion rate: 19.47%
Transfer rate: 10.59%

Definitions: Completion Rate is the total number of students in the cohort who earn either a degree, a certificate, or who successfully completed a two-year-equivalent transfer-preparatory program. Transfer Rate is the total number of cohort non-completers who were identified as having enrolled in another institution.

**Associate Degree and Certificate Programs**

The Liberal Arts Programs and Occupational Programs at Los Angeles Harbor College are two-year sequences of courses which lead to the Associate in Arts and the Associate in Science degrees.

The Associate in Science degree is conferred on students who complete one of the two-year programs outlined in pages of this catalog. Students may elect instead to complete the one-year technical curriculum of an Occupational Program, leading to a Career Education Certificate in that field. Units earned in the completion of a Career Education Certificate Program may be applied toward the Associate in Science degree in the same major.

The Associate in Arts degree is awarded to students completing a prescribed two-year course sequence. The majority of the courses in the programs leading to the Associate in Arts degree have transfer value which permits students to continue their education with advanced standing at a four year college or university. (See a counselor).

This section describes liberal arts non-transfer degree programs, occupational certificates, and transfer degree programs. The many variations available make it essential that students see a counselor when forming an academic plan. The counselor will help students understand the differences in plans and will assist in designing a program which will prepare them for a variety of options in case they desire to modify their plans at a later date.

As you read through the following material, you will see references to Graduation Plan A, Graduation Plan B, and the requirements for the Liberal Arts and Sciences with Emphasis Associate in Arts degree. Students fill in their general education requirements from these plans. Graduation plans are included at the end of this section.

Students preparing to transfer to a university need to complete the general education requirements of the college or university to which they are transferring and the lower division preparation for their major. They may concurrently earn a Liberal Arts transfer degree from Harbor College by following the Liberal Arts and Sciences with an area of emphasis plan along with their university requirements. Please see a counselor to coordinate all requirements.

**Note:** Many of the A.S. Degree and Certificate Programs listed in this section are occupational non-transfer programs, although, many of these majors also fulfill most of the requirements for transfer. Because the university requirements vary from school to school, you must see a counselor for all transfer major requirements.

**Associate in Arts/Science for Transfer Degrees**

Associate in Arts/Science for Transfer (AA-T/AS-T) degrees are intended for students planning to transfer into a corresponding Bachelor of Arts/Science program in the same discipline or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program. A student may earn an Associate in Arts/Science for Transfer degree by completing the requirements listed in the Catalog, including 60 semester units that are eligible for transfer to the CSU, a minimum of 18 units in the specified major or area of emphasis and either the Intersegment General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, all with a grade of C or better and a minimum cumulative grade point average (GPA) of 2.0. These degrees comply with The Student Transfer Achievement Reform Act (Senate Bill 1440).

**Effective: Fall 2014 (Approved: CC, Senate, BOT, CCC)**

**Petition for Graduation**

Students expecting to graduate from the college with an A.A. or A.S. degree must file a Petition for Graduation early in the semester they expect to complete their requirements. The deadlines for filing each semester are listed in the Academic...
Calendar section of the Schedule of Classes. Late Petitions for Graduation will not be accepted. Students seeking graduation should pick up a Petition for Graduation from the Admissions and Records Office, make an appointment with a counselor to review that the degree requirements will be met by the end of the current semester and then return the completed Petition for Graduation to the Admissions and Records Office. Students filing the petition will be notified of the results by mail.
ACCOUNTING DEGREE AND CERTIFICATE PROGRAM

ASSOCIATE IN SCIENCE DEGREE IN ACCOUNTING
Major Code: 050200
Plan B
The Associate in Science degree program qualifies the student for entry-level accounting positions in business, government, industry and financial institutions. This is not a transfer program. Students wishing to transfer should pursue an A.A. degree in Business Administration with the advice of a counselor. To obtain an A.S. degree in Accounting, a student must complete the following three-component program:

Program Learning Outcomes
Upon completion, students will be able to demonstrate a firm understanding and working knowledge of basic accounting terminology and the process by which transactions are analyzed and transformed into financial statements, demonstrate the ability to identify key issues, select relevant data, and think critically and analytically about the possible solutions for the financial problem encountered, receive and process written and oral financial information and prepare an appropriate response for management, investor, clients, or other fellow professionals, demonstrate effective use of technology applicable to accounting practice and procedures, analyze and interpret financial activities to identify and anticipate problems and find acceptable solutions for the individual or organization served, demonstrate the ability to act with integrity and honesty and choose an ethical course of action in all contacts with employers, clients, co-workers, and general public.

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>I: Accounting Degree Core</td>
<td></td>
<td>25</td>
</tr>
<tr>
<td>II: Accounting Degree Electives</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>III: G.E. Requirements</td>
<td>(Graduation Plan B)</td>
<td>18</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>63</td>
</tr>
</tbody>
</table>

COMPONENT I: Accounting Degree Core
Select a minimum of twenty-five (25) units from this list:

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acctg 1</td>
<td>Introductory Accounting I</td>
<td>5</td>
</tr>
<tr>
<td>Acctg 2</td>
<td>Introductory Accounting II</td>
<td>5</td>
</tr>
<tr>
<td>Acctg 3</td>
<td>Intermediate Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Acctg 11</td>
<td>Cost Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Acctg 15</td>
<td>Tax Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>Acctg 16</td>
<td>Tax Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>Bus 5</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>Co Info 16</td>
<td>Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td>Co Info 64</td>
<td>Microcomputer Lab</td>
<td>1</td>
</tr>
<tr>
<td>Co Info 24</td>
<td>Accounting on Microcomputers</td>
<td>2</td>
</tr>
</tbody>
</table>

COMPONENT II: Accounting Degree Electives
Select a minimum of twenty (20) units from this list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bus 1</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>Bus 6</td>
<td>Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>Bus 31</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>Bus 32</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>Bus 38</td>
<td>Business Computation</td>
<td>3</td>
</tr>
<tr>
<td>Bus 060</td>
<td>Typing/Keyboarding Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td>Co Info 1</td>
<td>Principles of Business Computer Systems I</td>
<td>3</td>
</tr>
<tr>
<td>Co Info 23</td>
<td>Programming Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

Effective: Summer 2015 (Approved: CC, Senate)

Some classes are not offered every semester or year.

CERTIFICATE OF ACHIEVEMENT IN ACCOUNTING CLERK
Major Code: 050200
This Certificate provides the student with minimum skills training necessary for entry-level accounting positions in business and other organizations such as government agencies, education and industry. Units earned toward the Certificate may be applied towards the A.S. degree in Accounting or the A.A. degree in Business Administration. The Certificate
of Achievement in Accounting is awarded upon completion of a minimum of 30 units, selected from the following:

**Select a minimum of 15 Units from the list below:**

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<thead>
<tr>
<th>Units</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Acctg 1</td>
<td>Introductory Accounting I</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Acctg 2</td>
<td>Introductory Accounting II</td>
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<td>Intermediate Accounting</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Acctg 11</td>
<td>Cost Accounting</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Acctg 15</td>
<td>Tax Accounting I</td>
<td>3</td>
</tr>
</tbody>
</table>

*Units earned toward the Skills Certificates may be used toward the Certificate of Achievement in Accounting or the A.S. Degrees in Accounting or Business Management or the A.A. Degree in Business Administration.*

For more information on Student Learning Outcomes for this program, go to [http://www.lahc.edu/slo/program.html](http://www.lahc.edu/slo/program.html)

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**SKILLS CERTIFICATE IN ACCOUNTING**

**Required Courses**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acctg 1</td>
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<td>Acctg 11</td>
<td>Cost Accounting</td>
</tr>
<tr>
<td>Acctg 15</td>
<td>Tax Accounting I</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
</tr>
</tbody>
</table>

**SKILLS CERTIFICATE IN TAXATION**

*Units earned toward the Skills Certificates may be used toward the Certificate of Achievement in Accounting or the A.S. Degrees in Accounting or Business Management or the A.A. Degree in Business Administration.*

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acctg 1</td>
<td>Introductory Accounting I</td>
</tr>
<tr>
<td>Acctg 15</td>
<td>Tax Accounting I</td>
</tr>
<tr>
<td>Acctg 16</td>
<td>Tax Accounting II</td>
</tr>
<tr>
<td>Co Info 24</td>
<td>Accounting on Microcomputers</td>
</tr>
<tr>
<td>Real Es 16</td>
<td>Income Tax Aspects of Real Estate</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
</tr>
</tbody>
</table>

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**ADMINISTRATION OF JUSTICE DEGREE AND CERTIFICATE PROGRAM**

**The Associate in Science in Administration of Justice for Transfer (AS-T) Degree**

**Major Code: 210500**

The Associate in Science in Administration of Justice for Transfer (AS-T) Degree is intended for students planning to transfer into a Bachelor of Science program in Administration of Justice, Law Enforcement, Correctional Science, Social Science, Pre-Law, Criminology, or related areas at a California State University (CSU); guaranteeing
admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program. It will also prepare students for a career in the field of criminal justice, working in law enforcement agencies as police officers, probation officers, county deputy sheriffs, state correctional officers, game wardens, state park rangers, or in private security. A student may earn an Associate in Science in Administration of Justice (AS-T) Degree by completing 60 semester units that are eligible for transfer to the CSU, including a minimum of 18 units in the major and either the Intersegment General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, all with a grade of C or better and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

Program Learning Outcomes
Upon completion, students will be able to communicate effectively with other agency colleagues and with the public, use critical thinking skills to select an appropriate response to a public safety event, identify relevant solutions to contemporary safety and security concerns, participate effectively in multi-cultural or interagency teams to solve safety problems on a national, state and local level and demonstrate an understanding of ethical issues and values required to make sound decisions about public safety.

GENERAL EDUCATION
(CSU G.E. or IGETC) 37-39 Units

Core Requirements 6 Units
Adm Jus 001 Introduction to Administration of Justice 3
Adm Jus 002 Concepts of Criminal Law 3

Electives
List A 6
Adm Jus 003 Legal Aspects of Evidence 3

Adm Jus 005 Criminal Investigation 3
Adm Jus 008 Juvenile Procedures 3
Adm Jus 037 California Criminal Court Procedures 3
Adm Jus 067 Community Relations 3
Adm Jus 075 Introduction to Corrections 3

List B 6
Any course from List A not already used
Adm Jus 750 Ethics in Criminal Justice 3
Psych 001 Introduction to Psychology 3
Soc 001 Introduction to Sociology 3
Stat 001 Elementary Statistics 3

Total in the Major* 18
*0-9 units may be double-counted toward the GE requirement, depending on courses chosen.

Additional CSU-transferable courses** 3-14
**Depending on the eligible number of double-countable units

Effective: Winter 2015 (Approved: CC, Senate, BOT, CCC)

ASSOCIATE IN SCIENCE DEGREE
IN ADMINISTRATION OF JUSTICE (AS)
Major Code: 210500

Plan A
Students wanting a transfer major must see a counselor for requirements. The Administration of Justice program prepares persons students for entry level positions for a variety of career opportunities in the fields of criminal justice. Courses of study may be selected and scheduled in any order based on course prerequisites, the available class schedule, and/or academic and technical competencies; exception is Adm Jus 385 that is required during the student’s last semester prior to degree or certificate completion. As part of the degree program, students must complete 30 units of General Education requirements from Graduation Plan A.

Units
Adm Jus 1 Introduction to Administration of Justice 3
Adm Jus 2 Concepts of Criminal Law 3
Adm Jus 14 Report Writing for Peace Officers 3
Adm Jus 16 Selection and Recruitment 3
Adm Jus 067 Community Relations 3
Adm Jus 319 Research Methods in Criminal Justice 3
+ Nine units must be selected to meet degree and/or Career Education certificate requirements: Administration of Justice 003, 005, 006, 008, 037, 042, 072, 075, 086, Soc 003, Soc 007.

CERTIFICATE OF ACHIEVEMENT IN ADMINISTRATION OF JUSTICE

Major Code: 210500

Certificates of Achievement in Administration of Justice are awarded upon completion of 24 units of technical coursework in Administration of Justice, plus one course in written communications, (English 28) or Comm 101 and Math 123B or equivalent. For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.html

**ANTHROPOLOGY DEGREE PROGRAM**

ASSOCIATE IN ARTS IN ANTHROPOLOGY FOR TRANSFER (AA-T) DEGREE

Major Code: 220200

The Associate in Arts in Anthropology (AA-T) for Transfer Degree is intended for students planning to transfer into a Bachelor of Arts program in Anthropology or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program. A student may earn an Associate in Arts in Anthropology (AA-T) for Transfer Degree by completing 60 semester units that are eligible for transfer to the CSU, including a minimum of 20 units in the major and either the Intersegment General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, all with a grade of C or better and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

Program Learning Outcomes

Upon successful completion of the requirements for this degree, students will have achieved the following learning outcomes: the ability to describe the scientific environment in which they live, and the challenges of their personal lives, describe the coherence among disciplines and promotion of openness to the diversity of the human experience, employ important skills that are critical for success in the modern workplace, such as verbal and written communication, mathematics, the effective use of technology for work and research, and the ability to work with others and live responsibly, Identify major topics, developments, debates, and issues in anthropology, apply their knowledge of key concepts in anthropology to discuss, analyze, and synthesize a variety of theoretical and practical foci within the discipline, discuss their global, national, and local perspective on issues pertaining to anthropology, preparing them for multiple pathways for future study and career opportunities.

GENERAL EDUCATION (CSU G.E. or IGETC) 37-39 Units

Core Requirements 9 Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthro 101</td>
<td>Human Biological Evolution</td>
<td>3</td>
</tr>
<tr>
<td>Anthro 102</td>
<td>Human Ways of Life: Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>Anthro 103</td>
<td>Archeology: Reconstructing the Human Past</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

List A 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthro 104</td>
<td>Human Language and Communication</td>
</tr>
</tbody>
</table>

List B 5

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology 001</td>
<td>Physical Geology</td>
</tr>
</tbody>
</table>

List C 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology 006</td>
<td>Physical Geology Laboratory</td>
</tr>
</tbody>
</table>
Anthro 121  Anthropology of Religion, Magic and Witchcraft  3

**Total in the Major**  20
*14 units may be double-counted toward the GE requirement.

Additional CSU-transferable courses  15-17
**Depending on the GE plan chosen
Effective: Summer 2015 (Approved: CC, Senate, BOT, CCC)

ARCHITECTURAL TECHNOLOGY DEGREE AND CERTIFICATE PROGRAM

ASSOCIATE IN SCIENCE DEGREE IN ARCHITECTURAL TECHNOLOGY

Major Code: 020100

Plan B

The Architectural Technology program prepares men and women for careers in the Architectural Industry as drafters, designers, project managers, or material salespersons. Students are also prepared for related fields such as environmental design, industrial design, sustainable technology, urban planning, fabrication or construction management. Courses of study may be selected and scheduled in any order based on course prerequisites, the available class schedule, and/or academic and technical competencies. Students seeking a transfer major must see a college counselor and visit the Department of Architecture for requirements.

Program Learning Outcomes

Upon completion of the program, students will be able to communicate Architectural ideas through verbal, written, and graphic media, including documents, including drawings, symbols, conventions and models, adhering to Architectural industry standards, engage in logical and critical thinking using the Architectural design process: propose, refine and articulate solutions, employ appropriate digital tools and technologies to during the design process, research and evaluate current information, latest technologies, and historical precedents using a variety of media such as online search, library resources, periodicals, and industry trade magazines, identify and apply Sustainable Design principles, demonstrate their value to the environment, building, economy, community, and self. develop an awareness of self and demonstrate the responsibilities of an ethical, informed and active citizen.

As part of the degree program, students must complete 18 units of General Education requirements from Graduation Plan B.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Env 101</td>
<td>Foundations of Design I</td>
</tr>
<tr>
<td>Env 102</td>
<td>Foundations of Design II</td>
</tr>
<tr>
<td>Arc 115</td>
<td>Architectural Practice</td>
</tr>
<tr>
<td>Arc 121</td>
<td>Freehand Drawing</td>
</tr>
<tr>
<td>Arc 151</td>
<td>Materials of Construction</td>
</tr>
<tr>
<td>Arc 160</td>
<td>Computers for Designers</td>
</tr>
<tr>
<td>Arc 161</td>
<td>Introduction to Computer Aided Architectural Design</td>
</tr>
<tr>
<td>Arc 162</td>
<td>Computer Aided Design and Drafting</td>
</tr>
<tr>
<td>Arc 164</td>
<td>Design Software for Architecture</td>
</tr>
<tr>
<td>Arc 172</td>
<td>Architectural Drawing I</td>
</tr>
<tr>
<td>Arc 173</td>
<td>Architectural Drawing II</td>
</tr>
<tr>
<td>Arc 201</td>
<td>Architectural Design I</td>
</tr>
<tr>
<td>Arc 221</td>
<td>Architectural Rendering</td>
</tr>
<tr>
<td>Arc 223</td>
<td>Portfolio Development</td>
</tr>
<tr>
<td>Arc 261</td>
<td>Computer-Aided Design for Architecture</td>
</tr>
<tr>
<td>Arc 271</td>
<td>Architectural Drawing III</td>
</tr>
<tr>
<td>Arc 291</td>
<td>Strength of Architectural Materials</td>
</tr>
<tr>
<td>Additional G.E. Requirements</td>
<td>18</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>62</strong></td>
</tr>
</tbody>
</table>

CERTIFICATE OF ACHIEVEMENT IN ARCHITECTURAL TECHNOLOGY

Major Code: 020100

Two options for the Certificate of Achievement in Architectural Technology are offered. They are Architectural Graphics and Architectural Construction Documents. Below are the required courses for each option:

Continues on next page
<table>
<thead>
<tr>
<th>ARCHITECTURAL GRAPHICS</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Env 101</td>
<td>Foundations of Design I</td>
</tr>
<tr>
<td>Env 102</td>
<td>Foundations of Design II</td>
</tr>
<tr>
<td>Arc 121</td>
<td>Freehand Drawing</td>
</tr>
<tr>
<td>Arc 160</td>
<td>Computers for Designers</td>
</tr>
<tr>
<td>Arc 164</td>
<td>Design Software for Architecture</td>
</tr>
<tr>
<td>Arc 172</td>
<td>Architectural Drawing I</td>
</tr>
<tr>
<td>Arc 221</td>
<td>Architectural Presentation Graphics</td>
</tr>
<tr>
<td>Arc 223</td>
<td>Portfolio Development</td>
</tr>
<tr>
<td>Arc 261</td>
<td>Computer-Aided Design for Architecture I</td>
</tr>
<tr>
<td>Arc 262</td>
<td>Computer-Aided Design for Architecture II</td>
</tr>
<tr>
<td>Eng 28</td>
<td>Intermediate Reading &amp; Comp.</td>
</tr>
<tr>
<td>Math 123A</td>
<td>Elementary &amp; Int. Algebra I</td>
</tr>
<tr>
<td>Math 123 B</td>
<td>Elementary &amp; Int. Algebra II</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
</tr>
</tbody>
</table>

**OR**

<table>
<thead>
<tr>
<th>ARCHITECTURAL CONSTRUCTION DOCS.</th>
<th>Units</th>
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<tbody>
<tr>
<td>Arc 115</td>
<td>Architectural Practice</td>
</tr>
<tr>
<td>Arc 151</td>
<td>Materials of Construction</td>
</tr>
<tr>
<td>Arc 160</td>
<td>Computers for Designers</td>
</tr>
<tr>
<td>Arc 161</td>
<td>Introduction to Computer Aided Architectural Design I</td>
</tr>
<tr>
<td>Arc 162</td>
<td>Computer Aided Design and Drafting</td>
</tr>
<tr>
<td>Arc 164</td>
<td>Design Software for Architecture</td>
</tr>
<tr>
<td>Arc 172</td>
<td>Architectural Drawing I</td>
</tr>
<tr>
<td>Arc 173</td>
<td>Architectural Drawing II</td>
</tr>
<tr>
<td>Arc 271</td>
<td>Architectural Drawing III</td>
</tr>
<tr>
<td>Arc 272</td>
<td>Architectural Drawing IV</td>
</tr>
<tr>
<td>Eng 28</td>
<td>Intermediate Reading &amp; Comp.</td>
</tr>
<tr>
<td>Math 123A</td>
<td>Elementary &amp; Int. Algebra I</td>
</tr>
<tr>
<td>Math 123 B</td>
<td>Elementary &amp; Int. Algebra II</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
</tr>
</tbody>
</table>

**SKILLS CERTIFICATES IN ARCHITECTURE**

These skills certificates are designed to help students prepare for careers in the Architectural Industry. Units earned for a Skills Certificate may also be used toward Certificates of Achievement and the Associate in Science Degree in Architectural Technology.

<table>
<thead>
<tr>
<th>ARCHITECTURAL TECHNOLOGY</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arc 115</td>
<td>Architectural Practice</td>
</tr>
<tr>
<td>Arc 151</td>
<td>Materials of Construction</td>
</tr>
<tr>
<td>Arc 160</td>
<td>Computers for Designers</td>
</tr>
<tr>
<td>Arc 161</td>
<td>Introduction to Computer Aided Architectural Design</td>
</tr>
<tr>
<td>Arc 162</td>
<td>Computer Aided Design and Drafting</td>
</tr>
<tr>
<td>Arc 172</td>
<td>Architectural Drawing I</td>
</tr>
<tr>
<td>Arc 201</td>
<td>Architectural Design I</td>
</tr>
<tr>
<td>Arc 202</td>
<td>Architectural Design II</td>
</tr>
<tr>
<td>Arc 261</td>
<td>Computer-Aided Design for Architecture I</td>
</tr>
<tr>
<td>Arc 262</td>
<td>Computer-Aided Design for Architecture II</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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</tr>
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</table>

<table>
<thead>
<tr>
<th>DESIGN</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Env 101</td>
<td>Foundations of Design I</td>
</tr>
<tr>
<td>Env 102</td>
<td>Foundations of Design II</td>
</tr>
<tr>
<td>Arc 160</td>
<td>Computers for Designers</td>
</tr>
<tr>
<td>Arc 164</td>
<td>Design Software for Architecture</td>
</tr>
<tr>
<td>Arc 201</td>
<td>Architectural Design I</td>
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<tr>
<td>Arc 202</td>
<td>Architectural Design II</td>
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<table>
<thead>
<tr>
<th>ENVIRONMENTAL GRAPHICS</th>
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<tbody>
<tr>
<td>Env 101</td>
<td>Foundations of Design I</td>
</tr>
<tr>
<td>Arc 121</td>
<td>Freehand Drawing</td>
</tr>
<tr>
<td>Arc 160</td>
<td>Computers for Designers</td>
</tr>
<tr>
<td>Arc 221</td>
<td>Architectural Rendering</td>
</tr>
<tr>
<td>Arc 223</td>
<td>Portfolio Development</td>
</tr>
<tr>
<td>Arc 261</td>
<td>Computer-Aided Design for Architecture I</td>
</tr>
<tr>
<td>Arc 262</td>
<td>Computer-Aided Design for Architecture II</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRODUCTION DRAFTING</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Arc 161</td>
<td>Introduction to Computer Aided Architectural Design</td>
</tr>
<tr>
<td>Arc 162</td>
<td>Computer Aided Design and Drafting</td>
</tr>
<tr>
<td>Arc 164</td>
<td>Design Software for Architecture</td>
</tr>
<tr>
<td>Arc 172</td>
<td>Architectural Drawing I</td>
</tr>
<tr>
<td>Arc 173</td>
<td>Architectural Drawing II</td>
</tr>
<tr>
<td>Arc 271</td>
<td>Architectural Drawing III</td>
</tr>
<tr>
<td>Arc 272</td>
<td>Architectural Drawing IV</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
</tr>
</tbody>
</table>
For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.html

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**ART DEGREE PROGRAM**

**ASSOCIATE IN ARTS IN STUDIO ARTS FOR TRANSFER (AA-T) DEGREE**

**Major Code: 100200**

The Associate in Arts/Science in Studio Arts for Transfer (AA-T) Degree is intended for students planning to transfer into a Bachelor of Arts program in Studio Arts or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program. A student may earn an Associate in Arts/Science in Studio Arts for Transfer (AA-T) Degree by completing 60 semester units that are eligible for transfer to the CSU, including a minimum of 24 units in Visual and Studio Arts, 0-2 elective units, and either the Intersegment General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, all with a grade of C or better and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

**Program Learning Outcomes**

Upon completion of the program, students will be able to demonstrate mastery of the following outcomes: the ability to:

• Employ technical skills, creativity, and conceptual understanding in completing works of visual art and design.
• Compile a portfolio of work reflecting knowledge, techniques, and creativity gained during a student’s course of study.
• Critically evaluate works of art and design through writing and discussion.
• Demonstrate an understanding of the contribution of art and design to human experience.
• Transfer to a four-year CSU institution to pursue baccalaureate studies in Studio Arts or a related field.
• Apply their understanding of arts to their professional, personal, and civic lives.

**GENERAL EDUCATION (CSU G.E. or IGETC) 37-39**

**Core Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 102</td>
<td>Survey of Art History II</td>
<td>3</td>
</tr>
<tr>
<td>Art 501</td>
<td>Beginning Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>Art 502</td>
<td>Beginning Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>Art 201</td>
<td>Drawing I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

<table>
<thead>
<tr>
<th>List A</th>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 101</td>
<td>Survey of Art History I</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>List B</th>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 202</td>
<td>Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>Art 300</td>
<td>Introduction to Painting</td>
<td>3</td>
</tr>
<tr>
<td>Art 713</td>
<td>Beginning Ceramics I</td>
<td>2</td>
</tr>
<tr>
<td>and Art 714</td>
<td>Beginning Ceramics II</td>
<td>2</td>
</tr>
<tr>
<td>Art 706</td>
<td>Clay Sculpture I</td>
<td>2</td>
</tr>
<tr>
<td>and Art 707</td>
<td>Clay Sculpture II</td>
<td>2</td>
</tr>
</tbody>
</table>

0-2 additional CSU transferable electives.

**TOTAL**

60

**ASSOCIATE IN ARTS DEGREE IN ART**

**Major Code: 100200**

**Plan A**

The Associate in Arts degree in Art is intended for students who are planning to transfer to a university, including University of California (UC) or California State University (CSU), as Art majors. A degree in Art will prepare a student for employment or further studies as a studio artist. The AA degree consists of a core general education component, 20 units in the major, and additional elective units as needed to reach a minimum of 60 units overall.

continues on next page
All students are strongly advised to meet with a counselor for academic planning. Students who plan to transfer will need to consult a counselor and the Transfer Center for specific information regarding preparation for the intended major at the colleges/universities of choice, in order to facilitate a seamless transition.

Choose either option 1 or 2 or 3 for the General Education Core:

1. LAHC G.E. Plan A (30 units)
2. CSU G.E. Breadth -- including Health or Nutrition, P.E. and U.S. history or U.S. government (39-41 units)
3. IGETC -- including Health or Nutrition, P.E. and U.S. history or U.S. government (34-41 units)

Art Core Curriculum (14 units)

<table>
<thead>
<tr>
<th>Units</th>
<th>Art 101 or 102</th>
<th>Survey of Art History I or II</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 201</td>
<td>Drawing I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Art 300</td>
<td>Introduction to Painting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Art 501</td>
<td>2-Dimensional Design</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Art 640</td>
<td>Portfolio Development</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

And a minimum of 6 elective units from the following courses. Students may choose a series of specialty courses in one area of art or a sampling of multiple art mediums.

<table>
<thead>
<tr>
<th>Units</th>
<th>Art 204 – 207</th>
<th>Life Drawing I-IV</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 301 – 312</td>
<td>Painting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Art 637</td>
<td>Presentation Graphics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Art 639</td>
<td>Introduction to Digital Imaging</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Art 706 – 714</td>
<td>Ceramics Sculpture</td>
<td>2 or 3</td>
<td></td>
</tr>
<tr>
<td>Photo 47</td>
<td>Digital Photography</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Photo 121</td>
<td>History of Photography</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**BUSINESS DEGREE AND CERTIFICATE PROGRAM**

The Business program offers two degree options, an Associate in Arts in Business Administration and an Associate in Science in Business. Students may also obtain a Certificate of Achievement in Business Administration and Skills Certificates in Basic Business, Finance, Legal Studies, Management and Supervision, Marketing, Retail Management and Advanced Retail Management.

Program Learning Outcomes
Upon completion of the program, students will be able to demonstrate mastery of the following outcomes: the ability demonstrate a firm understanding and working knowledge of the basic functions of a business enterprise, including the following components: business entrepreneurship, economics, business law, finance, human resource management, and marketing. Demonstrate a firm understanding of the communication process in a business and professional setting, including: written, oral (including non-verbal), and electronic communication, and active listening. Evaluate issues across the range of business functional areas by recognizing and analyzing problems using creativity, sound judgment, and business principles; and interpret business conditions, activities, or problems to provide solutions and means of continuous improvement in functional areas with...
consideration to the solutions impact on business enterprise “Big Picture”. Demonstrate actions of integrity, honesty and ethical, socially responsible in decision-making and interaction with customers, co-workers, employers, general public and society in general.

ASSOCIATE IN ARTS DEGREE IN BUSINESS
ADMINISTRATION
Major Code: 050100
Plan A
This degree program is designed to prepare students for transfer to a four year university Business program. Prospective students must consult a counselor to select the correct electives and general education courses for the university they plan to transfer to. The components of the degree are:

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>I: Business Core</td>
<td></td>
<td>21</td>
</tr>
<tr>
<td>II: Business Electives</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>III: Graduation Plan A</td>
<td></td>
<td>30</td>
</tr>
<tr>
<td>Business Degree Minimum</td>
<td></td>
<td>60</td>
</tr>
</tbody>
</table>

COMPONENT I: Business Core

The following courses are required of all majors:

- Acctg 001 Introductory Accounting I 5
- Acctg 002 Introductory Accounting II 5
- Bus 005 Business Law I 3
- Co Info 001 Principles of Business Computer Systems I 3

*CAOT 002 Computer Keyboarding II 3
*CAOT 030 Office Procedures 3
*CAOT 084 Microcomputer Office Applications: Word Processing 3
*CAOT 085 Microcomputer Office Applications: Spreadsheets 3
*CAOT 086 Microcomputer Office Applications: Database 3
*CAOT 088 Microcomputer Office Applications: Desktop Publishing 3

Co Info 001 Introduction to Multimedia 3
Co Info 023 or 064 Laboratory 1
Co Info 008 Microcomputer Applications 3
Co Info 014 Introduction to Computer Communications 3
Co Info 015 Database Programming 3
Co Info 023 or 064 Laboratory 1
Co Info 016 Spreadsheet Applications 3
Co Info 023 or 064 Laboratory 1
Co Info 021 Business Computer Programming 3
Co Info 023 or 064 Laboratory 1
Co Info 024 Accounting on Microcomputers 2
Co Info 027 Business Programming in Java 3
Co Info 23 or 64 Laboratory 1
Finance 002 Investments 3
Finance 008 Personal Finance and Investments 3
Int Bus 001 International Trade 3
Market 001 Principles of Selling 3
Market 021 Principles of Marketing 3
Mgmt 002 Organization & Management Theory 3
Mgmt 013 Small Business Entrepreneurship 3
Real Es 001 Real Estate Principles 3
Real Es 003 Real Estate Practice 3
Real Es 005 Legal Aspects of Real Estate 3
Real Es 007 Real Estate Finance 3
Real Es 009 Real Estate Appraisal I 3
Real Es 014 Property Management 3
Real Es 016 Income Tax Aspects of Real Estate 3
Real Es 018 Real Estate Investments I 3
Supv 001 Elements of Supervision 3

Continues on next page
*CAOT is an abbreviation for Computer Applications and Office Technology.

Some courses not offered every semester or year.

ASSOCIATE IN SCIENCE IN BUSINESS (AS-T) FOR TRANSFER DEGREE
Major Code: 050500
The Associate in Science in Business Administration for Transfer (AS-T) Degree is intended for students planning to transfer into a Bachelor of Science program in Business Administration or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program. Additionally, students who complete a baccalaureate degree in this subject will be prepared for positions in management and/or supervision for a wide variety of business organizations requiring a preparation in business skills. A student may earn an Associate in Science in Business Administration for Transfer (AS-T) Degree by completing 60 semester units that are eligible for transfer to the CSU, including a minimum of 29 units in the major and either the Intersegment General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, all with a grade of C or better and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

GENERAL EDUCATION (CSU G.E. or IGETC) 37-39

Core Requirements 15
Acctg 001 Introductory Accounting I 5
Acctg 002 Introductory Accounting II 5
Bus 005 Business Law I 3
or
Bus 006 Business Law II 3
Econ 001 Principles of Economics I (Microeconomics) 3
Econ 002 Principles of Economics II (Macroeconomics) 3

Electives
List A
Math 227 Statistics 4

List B
Bus 001 Introduction to Business 3
Bus 032 Business Communications 3
Co Info 001 Principles of Business Computer Systems 3

Total in the Major* 18
*9 units may be double-counted toward the GE requirement.

Additional CSU-transferable courses** 1-3
**Depending on the GE pattern chosen

Effective: Spring 2015 (Approved: CC, Senate, BOT, CCC)

ASSOCIATE IN SCIENCE DEGREE IN BUSINESS
Major Code: 050100
Plan B
The Business Associate in Science degree program is designed to meet the educational needs of employees, managers and business owners. This program qualifies the student for careers in business, government and other organizations. This is not a transfer degree. Students wishing to transfer should pursue the A.A. in Business Administration with the advice of a counselor. To obtain an Associate in Science degree in Business, a student must complete the following three-component program:

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>I: Business Degree Core</td>
<td>24</td>
</tr>
<tr>
<td>II: Business Degree Electives</td>
<td>18</td>
</tr>
<tr>
<td>III: G.E. Requirements (Graduation Plan B)</td>
<td>18</td>
</tr>
<tr>
<td>Total</td>
<td>60</td>
</tr>
</tbody>
</table>

COMPONENT I: The Business Degree Core
The Business Core must be completed by all degree candidates.

continues on next page
The Certificate is awarded upon completion of a **minimum of 30 units** selected from the courses listed below.

### COMPONENT II: Business Degree Electives

The student should select a minimum of eighteen (18) units from this list:

<table>
<thead>
<tr>
<th>Units</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Acctg 001</td>
<td>Introductory Accounting I</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Acctg 002</td>
<td>Introductory Accounting II</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Bus 001</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Bus 005</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Bus 031</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Bus 032</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Bus 038</td>
<td>Business Computation</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Bus 060</td>
<td>Typing/Keyboarding Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Co Info 001</td>
<td>Principles of Business Computer Systems I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Minimum Units in Business Core**: 24

### Certificate of Achievement in Business Administration Career

**Major Code: 050100**

The Business Administration Certificate of Achievement Program provides the student with a strong technical foundation for a wide variety of general entry level positions in the retail business, small business, as well as other organizations such as government agencies, education and industry. Units earned toward the certificate may be applied towards the A.A. in Business Administration or the A.S. degree in Business.

**Units**

<table>
<thead>
<tr>
<th>Units</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Acctg 001</td>
<td>Introductory Accounting I</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Acctg 002</td>
<td>Introductory Accounting II</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Bus 001</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Bus 005</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Bus 006</td>
<td>Business Law II</td>
<td>3</td>
</tr>
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<td></td>
<td>Bus 031</td>
<td>Business English</td>
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<td></td>
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<td>Business Communications</td>
<td>3</td>
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<td></td>
<td>Bus 038</td>
<td>Business Computation</td>
<td>3</td>
</tr>
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<td></td>
<td>Bus 060</td>
<td>Keyboarding Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Co Info 001</td>
<td>Principles of Business Computer Systems I</td>
<td>3</td>
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<tr>
<td></td>
<td>Co Info 016</td>
<td>Spreadsheet Apps. for Microcomputers</td>
<td>3</td>
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<tr>
<td></td>
<td>Co Info 024</td>
<td>Accounting on Microcomputers</td>
<td>2</td>
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<td></td>
<td>Int Bus 001</td>
<td>International Trade</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Finance 002</td>
<td>Investments</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Finance 008</td>
<td>Personal Finance and Investments</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Mgmt 002</td>
<td>Organization and Management Theory</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Mgmt 013</td>
<td>Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Mgmt 031</td>
<td>Human Relations for Employees</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Mgmt 033</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Market 001</td>
<td>Principles of Selling</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Market 031</td>
<td>Retail Merchandising</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Market 021</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Real Es 001</td>
<td>Real Estate Principles</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Supv 001</td>
<td>Elements of Supervision</td>
<td>3</td>
</tr>
</tbody>
</table>

*CAOT is an abbreviation for Computer Applications and Office Technology.

Some courses not offered every semester or year.
**Skills Certificates in Business**

Units earned for a Skills Certificate may be used toward the Associate in Arts in Business Administration, the Associate in Science in Business or the Certificate of Achievement in Business Administration.

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acctg 001 Introductory Accounting I</td>
<td>5</td>
</tr>
<tr>
<td>Acctg 002 Introductory Accounting II</td>
<td>5</td>
</tr>
<tr>
<td>Bus 005 Business Law I</td>
<td>3</td>
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<tr>
<td>Co Info 001 Principles of Business Computer Systems I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**Skills Certificate in Finance**

Core Requirements: 16 Units

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acctg 001 Introductory Accounting I</td>
<td>5</td>
</tr>
<tr>
<td>Finance 002 Investments</td>
<td>3</td>
</tr>
<tr>
<td>Finance 008 Personal Finance and Investments</td>
<td>3</td>
</tr>
<tr>
<td>Real Es 007 Real Estate Finance</td>
<td>3</td>
</tr>
<tr>
<td>Real Es 009 Real Estate Appraisal 1</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>28</strong></td>
</tr>
</tbody>
</table>

**Skills Certificate in Legal Studies**

Core Requirements: 16 Units

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adm Jus 2 Concepts of Criminal Law</td>
<td>5</td>
</tr>
<tr>
<td>Bus 5 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>Bus 6 Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>CAOT 23 Legal Secretarial Procedures I</td>
<td>3</td>
</tr>
<tr>
<td>Real Es 5 Legal Aspects of Real Estate</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>

**Skills Certificate in Management and Supervision**

Core Requirements: 16 Units

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mgmt 2 Organization &amp; Management Theory</td>
<td>3</td>
</tr>
<tr>
<td>Mgmt 13 Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>Mgmt 31 Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>Mgmt 33 Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>Supv 1 Elements of Supervision</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

**Skills Certificate in Marketing**

Required Courses

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>16 Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bus 1 Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>Int Bus 1 International Trade</td>
<td>3</td>
</tr>
<tr>
<td>Market 1 Principles of Selling</td>
<td>3</td>
</tr>
<tr>
<td>Market 21 Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Market 31 Retail Merchandising</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

**Skills Certificate in Retail Management**

The Retail Management Skills Certificates are a comprehensive program designed to prepare current and future retail employees for the challenges found in a competitive retail environment. Primary emphasis is to provide students with the essential business skills needed to develop a successful management career in retailing.

These certificates are endorsed by the Western Association of Food Chains (WAFC). This program is the product of years of collaboration between the food industry and the community college system in several states. This broad-based program will help students develop a clear sense of the scope of a management position and an understanding of the basic requirements for success, in order to be prepared to fill the numerous and varied management positions that become available.

Units earned toward the Skills Certificates may be applied to the Associate in Arts in Business Administration or the Associate in Science in Business. Many courses are transferable to 4 year universities.
SKILLS CERTIFICATE IN ADVANCED RETAIL MANAGEMENT

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Acctg 1</td>
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<td>5</td>
</tr>
<tr>
<td>or</td>
<td>Acctg 21</td>
<td>Bookkeeping and Accounting I</td>
</tr>
<tr>
<td>Co Info 1</td>
<td>Principles of Business Computer Systems I</td>
<td>3</td>
</tr>
<tr>
<td>Mgmt 33</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>Market 31</td>
<td>Retail Merchandising</td>
<td>3</td>
</tr>
<tr>
<td>Comm 101</td>
<td>Oral Communications</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>Comm 103</td>
<td>Business and Professional Speaking</td>
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<tr>
<td>Total</td>
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<td>18 to 20</td>
</tr>
</tbody>
</table>

Some courses not offered every semester or year.

For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.html

CHEMISTRY DEGREE PROGRAM

ASSOCIATE IN SCIENCE DEGREE IN CHEMISTRY

Major Code: 190500

Plan A

The Associate in Science degree in Chemistry is designed for students who either intend to transfer to the UC or CSU as Chemistry majors, or who want to prepare for work as a Physical Sciences Laboratory Assistant. The AS degree consists of a core general education component, 30 units in the major, and additional elective units as needed to reach a minimum of 60 units overall.

Program Learning Outcomes

Upon completion of the program, students will have the following skills: problem solving, scientific report writing, and laboratory skills.

All students are strongly advised to meet with a counselor for academic planning. Students who plan to transfer will need to consult a counselor and the Transfer Center for specific information regarding preparation for the intended major at the colleges/universities of choice, in order to facilitate a seamless transition.

Choose either option 1 or 2 or 3 for the General Education Core:

1. LAHC G.E. Plan A (30 units)
2. CSU G.E. Breadth -- including Health or Nutrition, P.E. and U.S. history or U.S. government (39-41 units)
3. IGETC -- including Health or Nutrition, P.E. and U.S. history or U.S. government (34-41 units)

Courses required for the major (30 units):

Chemistry 101, General Chemistry I 5 units
Chemistry 102, General Chemistry II 5 units
Chemistry 211, Organic Chemistry I 5 units
Chemistry 212, Organic Chemistry II 5 units
Mathematics 267, Calculus with analytic Geometry III 5 units
Physics 037, Physics for Engineers I 5 units

For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.html

CHILD DEVELOPMENT DEGREE AND CERTIFICATE PROGRAM

ASSOCIATE IN SCIENCE IN EARLY CHILDHOOD EDUCATION FOR TRANSFER (AA-T) DEGREE

Major Code: 130500

Program Goals and Objectives

The Associate in Science in Early Childhood Education for Transfer (AS-T) degree is intended for students planning to transfer into a Bachelor of Science program in Child Development, Child and Adolescent Development, Human Development, Education, or related areas at a California State University (CSU); guaranteeing admission to the
system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program. A student may earn an Associate in Science in Early Childhood Education for Transfer degree by completing 60 semester units that are eligible for transfer to the CSU, including 25 units in Early Childhood Education, 1 elective unit, and the Intersegment General Education Transfer Curriculum (IGETC) requirements, all with a grade of C or better and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

Program Learning Outcomes
Upon successful completion of the requirements for this degree, students will have achieved the following outcomes: the ability to:
* Demonstrate the use of developmentally appropriate practices for young children.
* Evaluate and demonstrate the roles of Early Childhood Education professionals in preparing children for school success.
* Plan and implement curriculum domain experiences/activities for preschool and/or school-age children.
* Advocate for children’s rights to develop their potential for becoming productive, well-adjusted members of society.
* Implement a plan for professional success to include obtaining a California Child Development Permit to qualify for employment in programs receiving funding from Federal, State, private (profit and non-profit), and family child care sources.
* Develop practical ideas for implementing culturally relevant and anti-bias education in core curriculum areas.

GENERAL EDUCATION
(CSU G.E. or IGETC) 37-39 units

Core Requirements 25
Ch Dev 001  Child Growth and Development  3
Ch Dev 011  Child, Family, and Community  3
Ch Dev 002  Early Childhood Principles and Practices  3
Ch Dev 004  Creative Experiences for Children II  3
Ch Dev 034  Observing and Recording Children’s Behavior  3
Ch Dev 022  Practicum in Child Development  4
Ch Dev 010  Health, Safety and Nutrition  3
Ch Dev 042  Teaching in a Diverse Society  3

Electives
Additional CSU transferable courses not taken above sufficient to meet the minimum degree requirement of 60 units.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ch Dev 011</td>
<td>Child, Family, and Community</td>
<td>3</td>
</tr>
<tr>
<td>Ch Dev 002</td>
<td>Early Childhood Principles and Practices</td>
<td>3</td>
</tr>
<tr>
<td>Ch Dev 004</td>
<td>Creative Experiences for Children II</td>
<td>3</td>
</tr>
<tr>
<td>Ch Dev 034</td>
<td>Observing and Recording Children’s Behavior</td>
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</tr>
<tr>
<td>Ch Dev 022</td>
<td>Practicum in Child Development</td>
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<tr>
<td>Ch Dev 010</td>
<td>Health, Safety and Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>Ch Dev 042</td>
<td>Teaching in a Diverse Society</td>
<td>3</td>
</tr>
</tbody>
</table>

ASSOCIATE IN SCIENCE DEGREE IN CHILD DEVELOPMENT
Major Code: 130500
Plan B
Students wanting a transfer major must see a counselor for requirements. The Child Development program is designed to help students qualify for employment in occupations involving groups of young children who are under the guidance of public and private agencies. Completion of this program qualifies the student to apply for the California Child Development Permit. Courses of study may be selected and scheduled in any order based on course prerequisites, the available class schedule, and/or academic and technical competencies.

As part of the degree program, students must complete 18 units of General Education requirements from Graduation Plan B.

A grade of “C” or better is required in all courses listed below to earn an AS degree in Child Development. G.E. requirements must follow standard college policy.
### Certificate of Achievement in Child Development

**Major Code:** 130500

Certificates of Achievement are awarded upon completion of 24 units of technical coursework in Child Development, including Child Development 22, completion of one course in written English (English 101 or higher), and one course in mathematics (Math 123A or higher).

*For information on Student Learning Outcomes for this program, go to [http://www.lahc.edu/slo/program.html](http://www.lahc.edu/slo/program.html)*

### Communication Studies Degree Program

**formerly “Speech Communications”**

**Associated in Arts in Communication Studies for Studies for Transfer (AA-T) Degree**

**Major Code:** 150600

The Associate in Art in Communication Studies (AA-T) Degree is intended for students planning to transfer into a Bachelor of Arts program in Communication Studies or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program. A student may earn an Associate in Arts in Communication Studies (AA-T) Degree by completing 60 semester units that are eligible for transfer to the CSU, including 18 units in Communication Studies and Journalism, 11-15 elective units, and either the Intersegment General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, all with a grade of C or better (“P” for “pass” grades are not acceptable) and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor.

---

**GE Plan B**

<table>
<thead>
<tr>
<th><strong>Units</strong></th>
<th><strong>Core Requirements</strong></th>
<th><strong>36 Units</strong></th>
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</thead>
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<tr>
<td>CH DEV 1</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>CH DEV 002</td>
<td>Early Childhood: Principles &amp; Practices</td>
<td>3</td>
</tr>
<tr>
<td>CH DEV 003</td>
<td>Creative Experiences for Children II</td>
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<td>CH DEV 004</td>
<td>Creative Experiences for Children II</td>
<td>3</td>
</tr>
<tr>
<td>CH DEV 005</td>
<td>Puppetry</td>
<td>3</td>
</tr>
<tr>
<td>CH DEV 010</td>
<td>Health, Safety, and Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>CH DEV 011</td>
<td>Child, Family and Community</td>
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</tr>
<tr>
<td>CH DEV 012</td>
<td>Parent-Teacher-Child Interaction</td>
<td>3</td>
</tr>
<tr>
<td>CH DEV 022</td>
<td>Practicum in Child Development I</td>
<td>4</td>
</tr>
<tr>
<td>CH DEV 023</td>
<td>Practicum in Child Development II</td>
<td>4</td>
</tr>
<tr>
<td>CH DEV 038</td>
<td>Administration and Supervision of Early Childhood Programs</td>
<td>3</td>
</tr>
</tbody>
</table>

FAM &CS 021 Nutrition 3 
and either CH DEV 30, 34, 42, OR 45 Electives (choose one course)

CH DEV 030 Infant and Toddler Studies I 3
CH DEV 034 Observing and Recording Children’s Behavior 3
CH DEV 042 Teaching in a Diverse Society 3
CH DEV 045 Programs for Children with Special Needs 3

**Additional Child Development Electives** 1

**Total** 60

**Recommended Electives:** The following courses may be selected to meet elective degree and/or Certificate of Achievement requirements: Child Development 36, Child Development 39, Child Development 185.
Program Learning Outcomes

Upon completion of the program:
1. Compose writing that expresses the writer’s viewpoint and which utilizes the fundamentals of rhetoric and editing to communicate effectively for different audiences and purposes.
2. Demonstrate critical thinking skills by conducting research, evaluating source material and presenting supportive, reasoned arguments on substantive issues in accordance with an appropriate style guide.

General Education
(CSU GE/IGETC) 37-39 Units

Core Requirement
COMM 101* Oral Communication 1 3

Electives
List A (chose from the following) 6
COMM 104* Argumentation 3
COMM 121* The Process of Interpersonal Communication 3
COMM 151 Small Group Communication 3

List B (choose from the following) 6
Any course from List A not already used 3
COMM 122* Communication Across Cultures 3
COMM 190* Communication and New Media 3

List C (choose from the following) 3
Any course from Lists A or B not already used 3

Total in the Major* 18
6-12 units may be double-counted toward the GE requirement, depending on courses chosen.

Additional CSU-transferable courses** 11-15
Depending on the eligible number of double-countable units

Effective: Spring 2015 (Approved: CC, Senate, BOT, CCC)

ASSOCIATE IN ARTS IN COMMUNICATION DEGREE
Major Code: 150600
The Associate in Arts degree in Speech Communication is designed for students who either intend to transfer to the CSU system campuses, or other four-year institutions, as Speech Communication majors, or who want to develop and enhance their skills in oral communication. The classes prepare students who seek careers in which effective communication skills are needed such as education, law, public relations, and service industry. The AA degree consists of a core general education component, 18 units in the major, and additional elective units as needed to reach a minimum of 60 units overall.

Choose either option 1 or 2 or 3 for the General Education Core:
1. Plan A 30 Units
2. CSU G.E. Breadth 39-41 Units
3. IGETC 34-41 Units

Courses requirements 18 Units
COMM 101 Public Speaking 3
COMM 102 Oral Communication II 3
COMM 104 Argumentation and Debate 3
COMM 111 Voice and Articulation 3
COMM 121 Interpersonal Communication 3
COMM 151 Small Group Communication 3

Effective Fall 2010 (Approved CC, Senate, BOT, CCC)

For more information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.html
The Computer Applications and Office Technologies (CAOT) program offers an Associate in Science Degree with five options: Administrative Assistant, Legal Office Assistant, Medical Office Assistant, Office Automation, or Office Communication. Certificates of Achievement are offered in Legal Office Assistant, Medical Office Assistant, Office Administration, and Office Automation. Skills Certificates may be obtained in Administrative Assistant, Clerical Records and Filing, Communication, Keyboarding, Legal Office Assistant, Medical Office Assistant, and Office Automation.

Program Learning Outcomes
Upon completion of the CAOT program, students will be able to, display proficiency with microcomputer software applications: word processing, spreadsheets, presentation design, databases, and desktop publishing, analyze, assess, and produce business documents that are a solution to given problems, demonstrate a proficient level of keyboarding speed and accuracy, demonstrate proficient communication (written and oral) skills as required in the workplace, demonstrate appropriate academic, ethical, and professional use of computer technology to communicate regionally, nationally, and globally and access the Internet for a variety of information and business purposes.

ASSOCIATE IN SCIENCE DEGREE IN COMPUTER APPLICATIONS AND OFFICE TECHNOLOGIES
The CAOT degree program offers Associate in Science degrees in Administrative Assistant, Legal Office Assistant, Medical Office Assistant, Office Automation and Office Communication. Students wishing to transfer should pursue an A.A. degree in Business Administration with the advice of a counselor. Students must complete all three of the components shown below:
Administrative Assistant Option  
**Major Code: 051400**  
This option prepares students for positions in a variety of offices, including business, aerospace, education, government, health care and industry.

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>28 Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option Requirements</td>
<td>20 Units</td>
</tr>
</tbody>
</table>

- CAOT 007  Machine Transcription  3
- CAOT 033  Records Management & Filing  2
- CAOT 064  CAOT Lab  4
- CAOT 079  Word Processing Applications  3
- CAOT 082  Microcomputer Software Survey  3
- CAOT 086  Microcomputer Office Applications: Spreadsheets  3
- CAOT 088  Microcomputer Office Applications: Desktop Publishing  3
- CAOT 110  Microcomputer Office Applications: Presentation Design  3

Legal Office Assistant Option  
**Major Code: 051410**  
This option prepares students for administrative positions in a legal environment such as a law office, police department, insurance offices, legal department of a corporation and related fields, such as government and regulatory agencies.

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>28 Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option Requirements</td>
<td>20 Units</td>
</tr>
</tbody>
</table>

- Bus 005  Business Law I  3
- Bus 006  Business Law II  3
- CAOT 023  Legal Secretarial Procedures I  5
- CAOT 064  CAOT Lab  4
- CAOT 082  Microcomputer Software Survey  3
- CAOT 084  Microcomputer Office Applications: Word Processing (Advanced)  3
- CAOT 086  Microcomputer Office Applications: Database  3
- CAOT 088  Microcomputer Office Applications: Desktop Publishing  3
- CAOT 110  Microcomputer Office Applications: Presentation Design  3

Medical Office Assistant Option  
**Major Code: 051420**  
This option prepares students for positions in a medical clinic office, doctor’s office, hospital office and related offices.

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>28 Units</th>
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</thead>
<tbody>
<tr>
<td>Option Requirements</td>
<td>20 Units</td>
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</table>

<table>
<thead>
<tr>
<th>Units</th>
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<tbody>
<tr>
<td>Biology 033  Medical Terminology  3</td>
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<tr>
<td>CAOT 021  Medical Secretarial Procedures I  5</td>
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<td>CAOT 033  Records Management &amp; Filing  2</td>
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<td>CAOT 064  CAOT Lab  4</td>
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<tr>
<td>CAOT 079  Word Processing Applications  3</td>
</tr>
<tr>
<td>CAOT 082  Microcomputer Software Survey  3</td>
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<tr>
<td>CAOT 086  Microcomputer Office Applications: Database  3</td>
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<tr>
<td>CAOT 185  Directed Study: Office Administration  1</td>
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Office Automation Option  
**Major Code: 051401**  
This option prepares students for positions requiring computer use in a variety of organizational offices in business, education, government and industry.

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<td>CAOT 007  Machine Transcription  3</td>
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<td>CAOT 082  Microcomputer Software Survey  3</td>
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<tr>
<td>CAOT 084  Microcomputer Office Applications: Word Processing (Advanced)  3</td>
</tr>
<tr>
<td>CAOT 086  Microcomputer Office Applications: Database  3</td>
</tr>
<tr>
<td>CAOT 088  Microcomputer Office Applications: Desktop Publishing  3</td>
</tr>
<tr>
<td>CAOT 110  Microcomputer Office Applications: Presentation Design  3</td>
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</table>

Office Communication Option  
**Major Code: 051402**  
This option prepares students for positions requiring computer use in a variety of organizational offices in business, education, government and industry.

<table>
<thead>
<tr>
<th>Core Requirements</th>
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</thead>
<tbody>
<tr>
<td>Option Requirements</td>
<td>17 Units</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Real Es 005  Legal Aspects of Real Estate  3</td>
</tr>
</tbody>
</table>
This option prepares students for positions requiring skills in communication for a variety of organizational offices in business, education, government and industry.

**Units**

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
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<td>CAOT 033</td>
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<tr>
<td>CAOT 034</td>
<td>Business Terminology Vocabulary and Spelling</td>
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<tr>
<td>CAOT 082</td>
<td>Microcomputer Software Survey</td>
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<td>CAOT 064</td>
<td>Office Administration Lab</td>
<td>1</td>
</tr>
<tr>
<td>CAOT 079</td>
<td>Word Processing Applications</td>
<td>3</td>
</tr>
<tr>
<td>CAOT 086</td>
<td>Microcomputer Office Application: Database</td>
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<tr>
<td>CAOT 088</td>
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<tr>
<td>CAOT 110</td>
<td>Presentation Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Some courses not offered every semester or year.

**Certificates of Achievement in Computer Applications and Office Technologies**

The student is trained in the basic skills required for employment in the administrative assistant field. Units earned toward the certificate may be applied toward the AS Degree in CAOT or the A.A. Degree in Business Administration.

Certificates of Achievement are awarded upon completion of a **minimum of 30 units**

**Certificate Options:**

**Legal Office Assistant**

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<tr>
<td>CAOT 001</td>
<td>Keyboarding 1</td>
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<tr>
<td>CAOT 002</td>
<td>Keyboarding II</td>
<td>3</td>
</tr>
<tr>
<td>CAOT 021</td>
<td>Medical Office Procedures I</td>
<td>5</td>
</tr>
<tr>
<td>CAOT 033</td>
<td>Records Management &amp; Filing</td>
<td>2</td>
</tr>
<tr>
<td>CAOT 034</td>
<td>Business Terminology</td>
<td>2</td>
</tr>
<tr>
<td>CAOT 064</td>
<td>Office Administration Lab</td>
<td>1</td>
</tr>
<tr>
<td>CAOT 079</td>
<td>Word Processing Applications</td>
<td>3</td>
</tr>
<tr>
<td>CAOT 082</td>
<td>Microcomputer Software Survey</td>
<td>3</td>
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<tr>
<td>CAOT 085</td>
<td>Microcomputer Office Application:</td>
<td></td>
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<tr>
<td></td>
<td>Spreadsheets</td>
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**Medical Office Assistant**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>Biology 033</td>
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<tr>
<td>CAOT 001</td>
<td>Keyboarding 1</td>
<td>3</td>
</tr>
<tr>
<td>CAOT 002</td>
<td>Keyboarding II</td>
<td>3</td>
</tr>
<tr>
<td>CAOT 021</td>
<td>Medical Office Procedures I</td>
<td>5</td>
</tr>
<tr>
<td>CAOT 033</td>
<td>Records Management &amp; Filing</td>
<td>2</td>
</tr>
<tr>
<td>CAOT 034</td>
<td>Business Terminology</td>
<td>2</td>
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<tr>
<td>CAOT 064</td>
<td>Office Administration Lab</td>
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<tr>
<td>CAOT 079</td>
<td>Word Processing Applications</td>
<td>3</td>
</tr>
<tr>
<td>CAOT 082</td>
<td>Microcomputer Software Survey</td>
<td>3</td>
</tr>
<tr>
<td>CAOT 085</td>
<td>Microcomputer Office Application:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spreadsheets</td>
<td>3</td>
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</tbody>
</table>

**Certificate of Achievement in Legal Office Assistant**

**Major Code: 051410**

This option prepares students for administrative positions in a legal environment such as a law office, police department, insurance offices, legal department of a corporation and related fields, such as government and regulatory agencies.

**Required Courses**

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tr>
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<tr>
<td>CAOT 001</td>
<td>Keyboarding 1</td>
<td>3</td>
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<td>With CAOT 64 or 185</td>
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<tr>
<td>CAOT 002</td>
<td>Keyboarding II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>with CAOT 64 or 185</td>
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<td>CAOT 009</td>
<td>Keyboarding Improvement</td>
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<tr>
<td>CAOT 023</td>
<td>Legal Office Procedures I</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>with CAOT 64 or 185</td>
<td>1</td>
</tr>
<tr>
<td>CAOT 030</td>
<td>Office Procedures</td>
<td>3</td>
</tr>
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<td>CAOT 033</td>
<td>Records Management &amp; Filing</td>
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<td>with CAOT 185</td>
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<td>CAOT 079</td>
<td>Word Processing Applications</td>
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<tr>
<td>CAOT 082</td>
<td>Microcomputer Software Survey</td>
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<td>or</td>
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</tr>
<tr>
<td>CAOT 084</td>
<td>Microcomputer Office</td>
<td></td>
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<td></td>
<td>Applications:</td>
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<td>Word Processing (Intermediate)</td>
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**Certificate of Achievement in Medical Office Assistant**

**Major Code: 051420**

This option prepares students for administrative positions in a medical clinic, doctor’s office, hospital office and related offices.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
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<td>Biology 033</td>
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<td>CAOT 002</td>
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<td>CAOT 021</td>
<td>Medical Office Procedures I</td>
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<td>CAOT 033</td>
<td>Records Management &amp; Filing</td>
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<tr>
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<td>Spreadsheets</td>
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</tbody>
</table>

Continues on next page
**Degree and Certificate Programs**

**Certificate of Achievement in Office Administration**

**Major Code: 051400**

This option prepares students for general administrative positions in a wide variety of organizational offices, including business, aerospace, education, government, health care and industry.

<table>
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<th>Required Courses</th>
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<td>CAOT 088</td>
<td>3</td>
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<td>CAOT 110</td>
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**Certificate of Achievement in Office Automation**

**Major Code: 051401**

This option prepares students for positions requiring computer use in a variety of organizational offices in business, education, government and industry.

<table>
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<tbody>
<tr>
<td>CAOT 002</td>
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<tr>
<td>CAOT 030</td>
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</table>

Some courses not offered every semester or year.

**Skills Certificates in Computer Applications and Office Technologies**

The student is trained in the basic skills required for employment in the office procedures and clerical field. Units earned toward this certificate may be applied toward the A.S. Degree in CAOT or the A.A. Degree in Business Administration.

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**Skills Certificate in Administrative Assistant**

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**SKILLS CERTIFICATE IN COMMUNICATION**

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<th>Course Title</th>
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<td>CAOT 079</td>
<td>Word Processing Applications</td>
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<td>CAOT 086</td>
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**SKILLS CERTIFICATE IN OFFICE AUTOMATION**

Preparation for the Microsoft Office Certification Exams.

<table>
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<tr>
<td>or</td>
<td>CAOT 002 Computer Keyboarding II</td>
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<td>CAOT 064 or 185</td>
<td>Word Processing Applications</td>
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<td>CAOT 079</td>
<td>Microcomputer Software Survey in the Office</td>
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</tr>
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<td>CAOT 082</td>
<td>Microcomputer Office Applications: Spreadsheets</td>
<td>3</td>
</tr>
<tr>
<td>CAOT 085</td>
<td>Microcomputer Office Applications: Presentation Design</td>
<td>3</td>
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Choose one of the following:

**SKILLS CERTIFICATE IN KEYBOARDING**

<table>
<thead>
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<th>Units</th>
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</tr>
<tr>
<td>CAOT 002</td>
<td>Computer Keyboarding II</td>
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</tr>
<tr>
<td>CAOT 007</td>
<td>Machine Transcription</td>
<td>3</td>
</tr>
<tr>
<td>CAOT 009</td>
<td>Keyboarding Improvement</td>
<td>1</td>
</tr>
<tr>
<td>CAOT 079</td>
<td>Word Processing Applications</td>
<td>3</td>
</tr>
<tr>
<td>CAOT 082</td>
<td>Microcomputer Software Survey in the Office</td>
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**SKILLS CERTIFICATE IN LEGAL OFFICE ASSISTANT**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<td>Business Law I</td>
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<td>CAOT 001</td>
<td>Computer Keyboarding I</td>
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<tr>
<td>CAOT 023</td>
<td>Legal Secretarial Procedures I</td>
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</tr>
<tr>
<td>CAOT 030</td>
<td>Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>CAOT 084</td>
<td>Microcomputer Office Applications: Word Processing</td>
<td>3</td>
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**SKILLS CERTIFICATE IN MEDICAL OFFICE ASSISTANT**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 033</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
</tbody>
</table>

Some courses not offered every semester or year.

For information on Student Learning Outcomes for this program, go to [http://www.lahc.edu/slo/program.html](http://www.lahc.edu/slo/program.html)
De 신 유 시스템
도 계 및 자 칩 시 프 램

과 학 은 사 엔 과 도 계
자 칩 시스 테 로 시스 트

도 계 및 자 칩 시 프 램 (공 과 도 계)

도 계 및 자 칩 시 프 램 (인 기 도 업 계)

도 계 및 자 칩 시 프 램 (인 기 도 업 계)

도 계 및 자 칩 시 프 램 (인 기 도 업 계)

도 계 및 자 칩 시 프 램 (인 기 도 업 계)

도 계 및 자 칩 시 프 램 (인 기 도 업 계)

도 계 및 자 칩 시 프 램 (인 기 도 업 계)

도 계 및 자 칩 시 프 램 (인 기 도 업 계)

도 계 및 자 칩 시 프 램 (인 기 도 업 계)

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도 계 및 자 칩 시 프 램 (인 기 도 업 계)

도 계 및 자 칩 시 프 램 (인 기 도 업 계)

도 계 및 자 칩 시 프 램 (인 기 도 업 계)
### Co Info 016 Spreadsheet Applications 3
with Co Info 23 or 64 Programming Lab 1
### Co Info 021 Business Computer Programming 3
with Co Info 64 Microcomputer Laboratory 1
### Co Info 024 Accounting on Microcomputers 2
### Co Tech 035 Linux+ 3
### Co Info 016 Spreadsheet Applications 3

**Total** 14

*Effective Spring 2015 (Approved: CC, Senate)*

### Skills Certificate in Computer Information Systems
This certificate provides training in the skills necessary for creating business application software.

### Skills Certificate in Computer Information Systems: Business Software Applications
**Major Code: 070402**
This certificate prepares the student for certification and employment using Microsoft© Office applications.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co Info 001</td>
<td>Principles of Business Computer Systems</td>
<td>3</td>
</tr>
<tr>
<td>Co Info 008</td>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>with Co Info 64 Programming Lab</td>
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<tr>
<td>Co Info 015</td>
<td>Database programming</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>with Co Info 23 Programming Lab</td>
<td>1</td>
</tr>
<tr>
<td>Co Info 016</td>
<td>Spreadsheet Applications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td>14</td>
</tr>
</tbody>
</table>

### Skills Certificate in Computer Information Systems: Programming
**Major Code: 070401**
This certification provides training in the skills necessary for creating business application software.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co Info 001</td>
<td>Principles of Business Computer Systems</td>
<td>3</td>
</tr>
<tr>
<td>Co Info 015</td>
<td>Database programming</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>with Co Info 023 Programming Lab</td>
<td>1</td>
</tr>
<tr>
<td>Co Info 021</td>
<td>Business Computer Programming*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>with Co Info 064 Microcomputer Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>Co Info 027</td>
<td>Programming in Java*</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total** 14

*Effective Spring 2015 (Approved: CC, Senate)*

### Skills Certificate in Computer Information Systems: Web Development
**Major Code: 070403**
This certificate provides training in the skills necessary for the student to create and maintain interactive internet and web sites.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co Info 007</td>
<td>Introduction to Multimedia</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>with Co Info 023 Programming Lab</td>
<td>1</td>
</tr>
<tr>
<td>Co Info 014</td>
<td>Introduction to computer Communications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>with Co Info 064 Microcomputer Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>Co Info 027</td>
<td>Programming in Java</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>with Co Info 023 Programming Lab</td>
<td>1</td>
</tr>
<tr>
<td>Co Sci 092</td>
<td>HyperText Markup Language*</td>
<td>3</td>
</tr>
<tr>
<td>Co Sci 344</td>
<td>Programming in Java*</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total** 14

*Effective Spring 2015 (Approved: CC, Senate)*

For information on Student Learning Outcomes for this program, go to [http://www.lahc.edu/slo/program.html](http://www.lahc.edu/slo/program.html)

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### Computer Science Degree and Certificate Program

#### Associate in Science Degree in Computer Science and Engineering
**Major Code: 070710**

**Plan B**  
The Associate in Science in Computer Science and Engineering (A.S.) Degree is intended for students who are seeking employment as Computer Systems Analysts, Software Developers, Web Developers, and Computer Support Specialists and related fields, or transfer to a computer science, computer technology, or related program at a four-year institution*.
Program Learning Outcomes
Upon completion of the program, students will able to, articulate and justify technical problems through oral, written, and graphical communication, troubleshoot a variety of electronic and/or computer-based components and systems including signal processing, communications, computer networks, and controls, employ mathematics, science, and computing techniques in a systematic, comprehensive, manner to support the study and solution of engineering problems, demonstrate industry-standards when interpreting and creating engineering drawings, and describe professional and ethical responsibilities in engineering.

*Note: additional units and/or alternative courses may be required for transfer. Transfer-bound students should consult a counselor and the Transfer Center for specific information regarding preparation for the intended major at the transfer institution of choice in order to facilitate a seamless transition.

General Education
Plan B
18 Units
Core Requirements
30 Units

Co Sci 317  Micro Assembly Language Programming  3
Co Sci 340  Programming in C++ 3
Co Sci 344  Programming in Java 3
Co Sci 360  Introduction to Data Structures 3
Co Sci 942  Discrete Structures 3
Math 265  Calculus and Analytic Geometry I 5
Physics 037  Physics for Engineers and Scientists I 5
Physics 038  Physics for Engineers and Scientists II 5

Electives
(choose from the following): 12
Chem 101  General Chemistry I 5
Co Sci 058  Computer Literacy 3
Co Sci 091  Beginning Basic Programming 3
Co Sci 092  Hypertext Markup Language 3
Co Tech 074  A+ Certification I 4
Co Tech 076  A+ Certification II 4
Math 266  Calculus and Analytic Geometry II 5
Math 267  Calculus and Analytic Geometry III 5
Total 60

Effective Spring 2015 (Approved: CC, Senate, BOT, CCC)
Upon completion of the program, students will be able to articulate and justify technical problems through oral, written, and graphical communication, troubleshoot a variety of electronic and/or computer-based components and systems including signal processing, communications, computer networks, and controls, employ mathematics, science, and computing techniques in a systematic, comprehensive, manner to support the study and solution of engineering problems, demonstrate industry-standards when interpreting and creating engineering drawings, and describe professional and ethical responsibilities in engineering.

General Education Plan B
Core Requirements 18 Units

Co Tech 035 Introduction to Linux + 3
Co Tech 052 Fundamental Computer Circuits & Lab 4
Co Tech 056 Computer Logic & Arithmetic 4
Co Tech 061 Computer Mathematics II 5
Co Tech 076 A+ Certification Prep/Intro to PC Repair II 4
Co Tech 078 Intro to Network + 4

Effective Spring 2015 (Approved: CC, Senate)

Eng Tek 81 Fabrication Techniques 1

Major Electives (choose at least 1 course) 1-2
Eng Tek 025 Industrial Safety 1
Electrn 081 Fabrication Techniques 1

Skills Certificates in Network Administration
Completion of this certificate will provide the student with the necessary analytical and mechanical skills for entry-level employment as a Network Administrative Technician. Setting up or modifying existing LAN systems within small to medium sized businesses, including the documentation, providing local “Help Desk” assistance, troubleshooting and repairing computers, are typical employment duties. Courses cover basic troubleshooting, upgrading and repair of hardware/network configurations, networking and server applications.

Courses required for the Skills Certificate

Co Tech 035 Intro to Linux + 3
Co Tech 076 A+ Certification Prep/Intro to PC Repair II 4
Co Tech 078 Intro to Network + 4
Co Tech 080 Intro to Server + 4
Co Tech 081 Intro to Fiber Optics 1

Total 16

Skills Certificate in Computer Network Technology
Completion of this skills certificate will provide the student with the necessary analytical skills for entry-level employment installing, configuring and maintaining small to medium scale computer network systems. Students select the type of network configuration to be installed, load the OS and utilities for the network administration and security as required. Students perform preventative maintenance.

Continues on next page
maintenance procedures and network system upgrades necessary to maintain reliable operations.

Skills Certificate in Computer Repair Technology
Completion of this skills certificate will provide the student with the necessary analytical and mechanical skills for entry-level employment for troubleshooting and repairing computers. Students learn basic electronic fabrication techniques, installing and upgrading standard IBM compatible operating systems, troubleshooting, upgrading and repairing hardware configurations and the technical math skills necessary for assessing computer compatibilities and manufacturer’s specifications.

Units
Co Tech 050 Basic Electronics for Computer Technicians 4
Co Tech 078 Introduction to Network + 4
Eng Tek 081 Fabrication Techniques 1
Co Tech 185, 285 Directed Study - Computer Technology 3
Maximum of three units for Directed Studies courses
Total 12

Skills Certificate in Fiber Optics
This course provides students with advanced laboratory experiences in electronic fabrication principles. Topics include basic theory of fiber optic data transmission, fabrication of SC, ST and FC fiber optic cable connectors, patch panel and network hub installations, mechanical and fusion splicing techniques, OTDR testing and measurement techniques, termination procedures, troubleshooting and documentation requirements used for fiber optic installations. Note: currently, there is a shortage of qualified fiber optic cable installation and maintenance technicians. Successful completion of this course can lead to employment opportunities for those who desire to work in this unique industry.

Units
Co Tech 081 Introduction to Fiber Optics 1
Total 1

For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.html

Culinary Arts Degree and Certificate Program

Associate in Science Degree in Culinary Arts
Major Code: 130630
Plan B

The Associate in Science degree in Culinary Arts is designed to qualify students for employment in occupations in the growing food industry. The program provides students with theory and practical experience. Students completing the program will be able to enter careers as cooks in restaurants, hotels, school food service programs, and catering companies; in other areas of hospitality including food sales and consulting; and in entry level management. The AS degree consists of a core general education component of 18 units, 36 units in the major, and additional elective units as needed to reach a minimum of 60 units overall.

Program Learning Outcomes
Upon completion of the program, students will be able to execute verbal, written, and visual instructions in recipe and menu development utilizing the art and science of cooking, communicate effectively with customers, co-workers and management considering the diverse composition of the team and guest, use mathematical concepts and methods to analyze recipes, products, pricing, and vendor services to purchase goods, demonstrate proficiency in any station of a commercial kitchen including the Garde Mange, butcher, savory, pastry, and...
short order areas, and demonstrate the skills necessary for employment as a manager of a small restaurant operation including utilizing the computer to perform research on culinary and management topics.

All students are strongly advised to meet with a counselor for academic planning. Students who plan to transfer will need to consult a counselor and the Transfer Center for specific information regarding preparation for the intended major at the colleges/universities of choice, in order to facilitate a seamless transition.

1. Complete LAHC's Graduation Plan B, including English 101 – minimum of 18 units

2. Complete the 36 unit pattern for the Culinary Arts major listed below with grades of “C” or better in all classes.

Note: The National Restaurant Association certification requires passing ServSafe and ServSafe Alcohol exams.

3. Complete a minimum of 6 units of electives for a total of 60 units for the degree.

### General Education Plan B

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>36 units</th>
</tr>
</thead>
</table>

### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cln Art 113 Culinary Skills I* 3</td>
</tr>
<tr>
<td>Cln Art 114 Aromatics* 2</td>
</tr>
<tr>
<td>Cln Art 115 Food Fabrication* 2</td>
</tr>
<tr>
<td>Cln Art 116 Product Identification &amp; Purchasing* 2</td>
</tr>
<tr>
<td>Cln Art 117 Food Sanitation &amp; Safety* 3</td>
</tr>
</tbody>
</table>

* Concurrent enrollment required

### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cln Art 123 Culinary Skills II* 3</td>
</tr>
<tr>
<td>Cln Art 124 Menu Planning &amp; Nutrition* 3</td>
</tr>
<tr>
<td>Cln Art 125 Breakfast &amp; Lunch Cookery* 3</td>
</tr>
<tr>
<td>Cln Art 126 Baking Skills* 3</td>
</tr>
</tbody>
</table>

* Concurrent enrollment required

### THIRD SEMESTER

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cln Art 133 Advanced Garde Manger* 3</td>
</tr>
<tr>
<td>Cln Art 134 Classic &amp; Contemporary Cuisine* 3</td>
</tr>
<tr>
<td>Cln Art 135 Dining Room &amp; Beverage Management* 3</td>
</tr>
<tr>
<td>Cln Art 136 Restaurant Management* 3</td>
</tr>
</tbody>
</table>

* Concurrent enrollment required

### Electives

| 6 Units |

**CERTIFICATE OF ACHIEVEMENT IN CULINARY ARTS**

| Major Code: 130630 |

The intense hands-on curriculum is paired with management practice and concepts to complete the Certificate of Achievement in Culinary Arts. The students manage and operate the marquee 1111 Bistro at Harbor with the popular Signature Dinner Series.

The third semester classes feature the students' mastery of the Classic & Contemporary Cuisines, showcase their skills in Advance Garde Manger and Charcuterie, a thorough understanding of Restaurant Management and its practical application into Dining Room and Beverage management.

The requirements for this certificate are the same as the core requirements listed under the Associate in Science in Culinary Arts degree.

### Required Courses

| 36 Units |

(See the Core Requirements under the Associate in Science in Culinary Arts)

| First semester requirements 12 Units |
| Second semester requirements 12 Units |
| Third semester requirements 12 Units |

**Note:** A 200 hour kitchen rotation Internship is required for those who are working toward certification from the American Culinary Federation Culinarian Certification Program upon completion of the second semester classes.
**Skills Certificate in Culinary Arts: Advanced Cook Skills**
The student builds on the Cook Skills Certificate requirements for an advanced laboratory experience that will prepare them for line-cooks positions, as sauciers, or as workers in the cold kitchen and/or the bakeshop. The curriculum includes intense hands-on experience in the cold kitchen, preparations of soups and sauces, vegetable and starch cookery, short order cooking in both the breakfast and lunch stations, introduction to basic baking skills, an understanding of nutrition and menu planning.

**Required Courses** 12 Units
(See the Core Requirements under the Associate in Science in Culinary Arts)

**Second semester requirements** 12 Units

**Note:** A 200 hour kitchen rotation Internship is required for those who are working toward certification from the American Culinary Federation Culinarian Certification Program upon completion of the second semester classes.

**All Culinary Arts courses must be completed with a grade of “C” or better to earn a certificate or AS Degree. G.E. requirements must follow standard college policy.**

For more information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.html

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**Drafting Production Design Degree and Certificate Program**

**Associate in Science in Drafting Production Design**

**Major Code:** 095300

**Plan B**

Students wanting a transfer major must see a counselor for requirements.

The curriculum is planned to prepare well trained drafters and designers to fill the widening gap between theoretical engineering concepts and practical manufacturing applications. A Certificate Program is offered, whose program requirements can be satisfied while en route to the degree, since the same technical courses apply toward both. This program is offered for persons seeking to enhance their advancement potential or for those who cannot pursue a full degree program or who already hold degrees in other fields. This two-year outline meets graduation requirements. As part of each degree program, students must also complete 18 units of General Education requirements from Graduation Plan B.

**Program Learning Outcomes**

Upon completion of the program, students will able to, articulate and justify technical problems through oral, written, and graphical communication, troubleshoot a variety of electronic and/or computer-based components and systems including signal processing, communications, computer networks, and controls, employ mathematics, science, and computing techniques in a systematic,
comprehensive, manner to support the study and solution of engineering problems, demonstrate industry-standards when interpreting and creating engineering drawings, and describe professional and ethical responsibilities in engineering.

**General Education**

**Plan B**  
18 Units

**Core Requirements**  
31-34* Units

<table>
<thead>
<tr>
<th>Draft</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>General Drafting</td>
<td>3</td>
</tr>
<tr>
<td>004</td>
<td>Applied Descriptive Geometry</td>
<td>4</td>
</tr>
<tr>
<td>009</td>
<td>Mechanical Drafting</td>
<td>3</td>
</tr>
<tr>
<td>016</td>
<td>Blueprint Reading I</td>
<td>2</td>
</tr>
<tr>
<td>017</td>
<td>Blueprint Reading II</td>
<td>2</td>
</tr>
<tr>
<td>051</td>
<td>Tool Design</td>
<td>4</td>
</tr>
<tr>
<td>050</td>
<td>Production Drafting</td>
<td>4</td>
</tr>
<tr>
<td>054</td>
<td>Simplified Stress Analysis</td>
<td>4</td>
</tr>
<tr>
<td>052</td>
<td>Electro-Mechanical Drafting</td>
<td>4</td>
</tr>
<tr>
<td>055</td>
<td>Computer-Aided Drafting</td>
<td>3</td>
</tr>
<tr>
<td>056</td>
<td>Automated Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>081</td>
<td>Projects Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>081</td>
<td>Fabrication Techniques</td>
<td>1</td>
</tr>
<tr>
<td>123C</td>
<td>Elementary and Intermediate Algebra III</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><em>Electives</em></th>
<th>9-12</th>
</tr>
</thead>
</table>

| TOTAL | 61   |

*Students who passed High School Drafting or a course equivalent to High School Drafting may petition to waive Draft 001.

**Effective Fall 2014 (Approved: CC, Senate)**

**Core Requirements**  
28 Units

<table>
<thead>
<tr>
<th>Draft</th>
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</tr>
</thead>
<tbody>
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<td>3</td>
</tr>
<tr>
<td>016</td>
<td>Blueprint Reading I</td>
<td>2</td>
</tr>
<tr>
<td>017</td>
<td>Blueprint Reading II</td>
<td>2</td>
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<tr>
<td>050</td>
<td>Production Drafting</td>
<td>4</td>
</tr>
<tr>
<td>051</td>
<td>Tooling Drafting</td>
<td>4</td>
</tr>
<tr>
<td>054</td>
<td>Simplified Stress Analysis</td>
<td>4</td>
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<tr>
<td>055</td>
<td>Computer-Aided Design and Drafting</td>
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<td>056</td>
<td>Automated Manufacturing</td>
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<td>081</td>
<td>Projects Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>082</td>
<td>CAD Drafting Laboratory</td>
<td>2</td>
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<tr>
<td>185</td>
<td>Directed Studies</td>
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</tr>
<tr>
<td>285</td>
<td>Directed Studies</td>
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</tr>
<tr>
<td>081</td>
<td>Fabrication Techniques</td>
<td>1</td>
</tr>
</tbody>
</table>

| TOTAL | 32   |

**Electives**  
4 Units

*For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.html*

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**Electronic Engineering Technology Degree and Certificate Program**

**Associate in Science Degree in Electronic Engineering Technology**  
Major Code: **093401**

**Plan B**

Students wanting a transfer major must see a counselor for requirements.

This course of study combines theory with manipulative skill training, vocabulary, use of test equipment, and the technical knowledge required for employment in the Electronics Industry. Skilled
technologists may find employment with a wide variety of industrial and government contract firms dealing with aerospace, computers, aviation, automotive, quality control, circuit design, and research and development. As part of the degree program, students must also complete 18 units of General Education requirements from Graduation Plan B and one course in Written Communications (English 28 or higher) and meet the Mathematics competency requirement.

Program Learning Outcomes
Upon completion of the program, students will able to, articulate and justify technical problems through oral, written, and graphical communication, troubleshoot a variety of electronic and/or computer-based components and systems including signal processing, communications, computer networks, and controls, employ mathematics, science, and computing techniques in a systematic, comprehensive, manner to support the study and solution of engineering problems, demonstrate industry-standards when interpreting and creating engineering drawings, and describe professional and ethical responsibilities in engineering.

**Electives are to be selected from Co Tech and/or Electrn courses not already counted toward the above requirements.

Certificate of achievement in Electronic Technology

Major Code: 093400

The certificate of achievement in Electronic Technology provides the student with the minimum training required for entry-level positions in the electronics field. The certificate is awarded upon completion of 27 units of technical coursework in electronics, one course in written communications selected from English 28 or English 101, and one course in Mathematics of Electronics selected from Electronics 16, 17 or Engineering Technician 49.

Core Technical Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co Tech 035</td>
<td>Linux + 3</td>
</tr>
<tr>
<td>Electrn 004</td>
<td>Fundamentals of Electronics 4</td>
</tr>
<tr>
<td>Electrn 005</td>
<td>Fundamentals of Electronics I Lab 1</td>
</tr>
<tr>
<td>Electrn 006</td>
<td>Fundamentals of Electronics II 4</td>
</tr>
<tr>
<td>Electrn 007</td>
<td>Fundamentals of Electronics II Lab 1</td>
</tr>
<tr>
<td>Electrn 016</td>
<td>Selected Elements of Electronics Mathematics 5</td>
</tr>
<tr>
<td>Electrn 017</td>
<td>Calculus for Electronics 5</td>
</tr>
<tr>
<td>Electrn 022</td>
<td>Electronics Circuits II 4</td>
</tr>
<tr>
<td>Electrn 054</td>
<td>Computer Logic and Arithmetic 4</td>
</tr>
<tr>
<td>Electrn 081</td>
<td>Projects Lab 4</td>
</tr>
<tr>
<td>Eng Tek 025</td>
<td>Industrial Safety 4</td>
</tr>
<tr>
<td>Eng Tek 081</td>
<td>Fabrication Techniques 4</td>
</tr>
</tbody>
</table>

Effective Fall 2012 (Approved: CC, Senate)

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrn 007</td>
<td>Fundamentals of Electronics I Lab 1</td>
</tr>
<tr>
<td>Electrn 020</td>
<td>Electronics Circuits II 4</td>
</tr>
<tr>
<td>Electrn 040</td>
<td>Electronic Instruments I 3</td>
</tr>
<tr>
<td>Electrn 056</td>
<td>Computer Circuits 3</td>
</tr>
<tr>
<td>Electrn 057</td>
<td>Computer Circuits Lab 1</td>
</tr>
<tr>
<td>Electrn 060</td>
<td>Microwave Fundamentals 1</td>
</tr>
<tr>
<td>Eng Tek 081</td>
<td>Fabrications Techniques 1</td>
</tr>
<tr>
<td>Draft 001</td>
<td>General Drafting 3</td>
</tr>
</tbody>
</table>

Total 32

For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.html

Continues on next page
## Engineering Technology Degree Program

### Associate in Science Degree in Engineering Technology: Electronics

**Major Code: 093400**

**Plan B**  
*(Emphasis on Transfer Preparation)*

This program places special emphasis on the preparation necessary to enter the Engineering Technology Program in the School of Engineering at California State Polytechnic University, Pomona. (Please see a counselor for additional requirements of the university). Two-year graduates in Electronics Engineering Technology will enter a rapidly growing career field tremendously important in modern engineering. They work in research and development, prototype construction, circuit design layout, and quality control. They apply scientific and engineering knowledge and methods combined with technical skills in support of engineering activities. Due to the necessary intensification of electronics classes required for immediate employment, it should be understood that some Electronics units may not transfer into the university program. As part of the degree program, students must also complete 18 units of General Education requirements from Graduation Plan B and one course in Written Communications (English 28 or higher) and meet the Mathematics competency requirement.

Program Learning Outcomes

Upon completion of the program, students will able to, articulate and justify technical problems through oral, written, and graphical communication, troubleshoot a variety of electronic and/or computer-based components and systems including signal processing, communications, computer networks, and controls, employ mathematics, science, and computing techniques in a systematic, comprehensive, manner to support the study and solution of engineering problems, demonstrate industry-standards when interpreting and creating engineering drawings, and describe professional and ethical responsibilities in engineering.

### General Education Plan B

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
</tr>
</tbody>
</table>

**Core Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem 101</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>Co Tech 035</td>
<td>Introduction to Linux +</td>
<td>3</td>
</tr>
<tr>
<td>Electrn 004</td>
<td>Fundamentals of Electronics</td>
<td>4</td>
</tr>
<tr>
<td>Electrn 005</td>
<td>Fundamentals of Electronics I Lab</td>
<td>1</td>
</tr>
<tr>
<td>Electrn 006</td>
<td>Fundamentals of Electronics II</td>
<td>4</td>
</tr>
<tr>
<td>Electrn 007</td>
<td>Fundamentals of Electronics II Lab</td>
<td>1</td>
</tr>
<tr>
<td>Electrn 022</td>
<td>Electronics Circuits II</td>
<td>4</td>
</tr>
<tr>
<td>Electrn 054</td>
<td>Computer Logic and Arithmetic</td>
<td>4</td>
</tr>
<tr>
<td>Eng Tek 050</td>
<td>Technical Mathematics III</td>
<td>5</td>
</tr>
<tr>
<td>Eng Tek 081</td>
<td>Fabrication Techniques</td>
<td>1</td>
</tr>
<tr>
<td>Eng Tek 051</td>
<td>Technical Mathematics IV</td>
<td>5</td>
</tr>
<tr>
<td>MIT 201</td>
<td>Fundamentals of Manufacturing and Processes</td>
<td>3</td>
</tr>
<tr>
<td>*Physics 006</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>Physics 007</td>
<td>General Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

*Chem 101 or Physics 6 may double-count 3 units toward the GE Requirement*  

**Electives**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
</tr>
</tbody>
</table>

**Additional G.E. Requirements**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
</tr>
</tbody>
</table>

**Total**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>61</td>
</tr>
</tbody>
</table>

For more information on Student Learning Outcomes for this program, go to [http://www.lahc.edu/slo/program.html](http://www.lahc.edu/slo/program.html)

### Associate in Science Degree in Engineering: Mechanical/Mfg. Option

**Major Code: 092400**

**Plan B**  
*(Emphasis on Transfer Preparation)*

This program trains designer/drafters and places special emphasis on the preparation necessary to enter the technical oriented Engineering Technology Program in the School of Engineering at CSULB. (Please see a counselor for additional requirements of the university). Two-year graduates in Engineering Technology will enter a rapidly growing career field tremendously important in modern engineering.
They work as assistants to the university graduate engineering technologists. They apply scientific skills in support of engineering activities. Due to the necessary intensification of drafting classes required for immediate employment, it should be understood that some drafting units may not transfer into the university program. Students interested in transfer should see a counselor. As part of the degree program, students must also complete 18 units of General Education requirements from Graduation Plan B and one course in Written Communications (English 28 or higher) and meet the Mathematics competency requirement.

### General Education Plan B

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>42 Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem 065</td>
<td>Elementary Chemistry II</td>
</tr>
<tr>
<td>Draft 004</td>
<td>Applied Descriptive Geometry</td>
</tr>
<tr>
<td>Draft 009</td>
<td>Mechanical Drafting</td>
</tr>
<tr>
<td>Draft 016</td>
<td>Blueprint Reading I</td>
</tr>
<tr>
<td>Draft 017</td>
<td>Blueprint Reading II</td>
</tr>
<tr>
<td>Draft 050</td>
<td>Production Drafting</td>
</tr>
<tr>
<td>Draft 051</td>
<td>Tooling Drafting</td>
</tr>
<tr>
<td>Draft 052</td>
<td>Electromechanical Drafting</td>
</tr>
<tr>
<td>Draft 054</td>
<td>Simplified Stress Analysis</td>
</tr>
<tr>
<td>Draft 056</td>
<td>Automated Manufacturing</td>
</tr>
<tr>
<td>Draft 081</td>
<td>Projects Laboratory</td>
</tr>
<tr>
<td>+Math 265</td>
<td>Calculus with Analytic Geometry I</td>
</tr>
<tr>
<td>Physics 006</td>
<td>General Physics I</td>
</tr>
<tr>
<td>Physics 007</td>
<td>General Physics II</td>
</tr>
</tbody>
</table>

**Additional G.E. Requirements**: 12

| Total | 60 |

*Chem 65 or Physics 6 and Math 265 may each double-count 3 units toward the GE requirement.*

### Associate in Science Degree in Engineering

**Major Code**: 090100

#### Plan B

(Emphasis on Transfer Preparation)

This program provides the student with the opportunity to experience a broad introduction into the field of engineering and aid in his or her selection of a specific area of specialization within the broad spectrum of engineering. Though every effort has been made to insure maximum transferability, it should be recognized that each university may have special requirements. (Please see a counselor for additional requirements for the university). As part of the degree program, students must complete 18 units of General Education requirements from Graduation Plan B and one course in Written Communications (English 28 or higher) and meet the Mathematics competency requirement.

#### General Education Plan B

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>56 Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem 101*</td>
<td>General Chemistry</td>
</tr>
<tr>
<td>Chem 102*</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>Eng Gen 111</td>
<td>Eng. Drafting</td>
</tr>
<tr>
<td>Eng Gen 112</td>
<td>Descriptive Geometry</td>
</tr>
<tr>
<td>Eng Gen 243</td>
<td>Statics and Strength of Materials</td>
</tr>
<tr>
<td>Eng Gen 912</td>
<td>Elementary Engineering Drafting</td>
</tr>
<tr>
<td>+Math 265*</td>
<td>Calculus with Analytic Geometry I</td>
</tr>
<tr>
<td>Math 266*</td>
<td>Calculus with Analytic Geometry II</td>
</tr>
<tr>
<td>Math 267*</td>
<td>Calculus III</td>
</tr>
<tr>
<td>Math 275*</td>
<td>Ordinary Differential Equations</td>
</tr>
<tr>
<td>+Physics 037*</td>
<td>Physics for Eng. &amp; Scientists</td>
</tr>
<tr>
<td>Physics 038*</td>
<td>Physics for Engineers &amp; Scientists II</td>
</tr>
<tr>
<td>Physics 039*</td>
<td>Physics for Engineers &amp; Scientists II</td>
</tr>
<tr>
<td>Chem 101</td>
<td>General Chemistry</td>
</tr>
</tbody>
</table>

*Chem 101 or 102 or Physics 037, 038, or 039 and Math 265, 266, 267, or 275 may each count 3 units toward the GE requirement.*

<table>
<thead>
<tr>
<th>Additional G.E. Requirements</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>65</td>
</tr>
</tbody>
</table>

For information on Student Learning Outcomes for this program, go to [http://www.lahc.edu/slo/](http://www.lahc.edu/slo/)
ENGLISH DEGREE PROGRAM

ASSOCIATE IN ARTS TRANSFER (AA-T) DEGREE

Major Code: 150100

The English major provides students with a Liberal Arts concentration a deeper appreciation of literature and enhanced skills in written communication. The major is intended to allow students to better understand the cultural, historical, and social significance of texts, ranging from ancient to contemporary world literature. In addition, the program emphasizes critical reading and writing skills required in a variety of career fields including law, education, communication arts, business and industry.

Students who also plan to transfer will be prepared to transfer to the UC or CSU system universities as English majors. The AA degree consists of a core general education component, 18 units in the major, and additional elective units as needed to reach a minimum of 60 units overall.

Students must complete these minimum of 60 required semester units of CSU transferable course work with a minimum GPA of 2.0, including a minimum of 18 semester units in the major with a grade of “C” or better. Certified completion of the California State University General Education-Breadth (CSU GE Breadth) or Intersegmental General Education Transfer Curriculum (IGETC) Pattern is also required.

The Associate in Arts in English for Transfer (AA-T) Degree is intended for students planning to transfer into a Bachelor of Arts program in English or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program. A student may earn an Associate in Arts in English for Transfer (AA-T) Degree by completing 60 semester units that are eligible for transfer to the CSU, including 18 units in English, Humanities, and/or Journalism, 15-17 elective units, and either the Intersegment General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, all with a grade of C or better and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

Program Learning Outcomes

Upon completion, students will be able to:

• Compose writing that expresses the writer’s viewpoint and which utilizes the fundamentals of rhetoric and editing.
• Demonstrate the fundamentals of technological literacy.
• Communicate effectively for differing audiences and purposes
• Demonstrate critical thinking skills by conducting research, evaluating source material and presenting supportive, reasoned arguments on substantive issues in accordance with an appropriate style guide.

Required CORE Courses (6 units):

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 101 College Read. and Comp. I 3</td>
</tr>
<tr>
<td>English 102 Introductions to Literature 3</td>
</tr>
</tbody>
</table>

List A (6 units)

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 203 World Lit I 3</td>
</tr>
<tr>
<td>English 204 World Lit II 3</td>
</tr>
<tr>
<td>English 205 English Lit. I 3</td>
</tr>
<tr>
<td>English 206 English Lit. II 3</td>
</tr>
<tr>
<td>English 207 American Lit. I 3</td>
</tr>
<tr>
<td>English 208 American Lit. II 3</td>
</tr>
</tbody>
</table>

List B (3 units)

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 127 Creative Writing 3</td>
</tr>
<tr>
<td>English 209 California Literature 3</td>
</tr>
<tr>
<td>English 211 Fiction 3</td>
</tr>
</tbody>
</table>
Degree and Certificate Programs

Los Angeles Harbor College

English 214  Contemporary Literature  3
English 215  Shakespeare I  3
English 219  American Ethnic Groups  3
English 239  Women’s Literature  3
English 240  Film and Literature I  3

List C  (3 units)
Any course not already used from List A or B, or...
Journal 101  Collecting and Writing News  3
Human 001  Cultural Patterns of West. Civil.  3

All students are strongly advised to meet with a counselor for academic planning. Students who plan to transfer will need to consult a counselor and the Transfer Center for specific information regarding preparation for the intended major at the colleges/universities of choice, in order to facilitate a seamless transition.

For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.htm

Fire Technology Degree and Certificate Program

Associate in Science Degree in Fire Technology (AS)
Major Code: 213300

Plan A
Students wanting a transfer major must see a counselor for requirements. The Fire Technology Program is designed to prepare persons for positions in the various branches of the fire-fighting industry, to upgrade the competency of those already employed in the field to qualify for promotion, and to prepare individuals for employment in certain industrial occupations. As of Fall 2014, the Fire Technology Program follows the recommended State Curriculum devised by the Chancellor's Office of the California Community Colleges. Courses of study may be selected and scheduled in any order based on course prerequisites, the available class schedule, and/or academic and technical competencies. As part of the degree program, students must complete 24 units of General Education requirements from Graduation Plan A and meet college graduation requirements in Written Communication and the Mathematics competency requirement. Students must have earned a “C” or better in the required Fire Tech courses listed, as well as the other classes listed in the degree or certificate electives.

Program Learning Outcomes
Upon completion, students will be able to communicate effectively with other agency colleagues and with the public, use critical thinking skills to select an appropriate response to a public safety event, identify relevant solutions to contemporary safety and security concerns, participate effectively in multi-cultural or interagency teams to solve safety problems on a national, state and local level and demonstrate an understanding of ethical issues and values required to make sound decisions about public safety.

FOR STUDENTS COMPLETING DEGREES/CERTIFICATES AS OF FALL 2014 AND AFTER.

General Education
Plan B  9 Units*
Core Requirements  58 Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adm Jus 750</td>
<td>Ethics in Public Safety Careers</td>
<td>3</td>
</tr>
<tr>
<td>Fire Tek 201</td>
<td>Fire Protection Organization</td>
<td>3</td>
</tr>
<tr>
<td>Fire Tek 202</td>
<td>Fire Prevention Technology</td>
<td>3</td>
</tr>
<tr>
<td>Fire Tek 203</td>
<td>Fire Protection Equipment and Systems</td>
<td>3</td>
</tr>
<tr>
<td>Fire Tek 204</td>
<td>Building Construction for Fire Protection</td>
<td>3</td>
</tr>
<tr>
<td>Fire Tek 205</td>
<td>Fire Behavior and Combustion</td>
<td>3</td>
</tr>
<tr>
<td>Fire Tek 216</td>
<td>Fundamentals of Personal Fire Safety &amp; Emergency Action</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (choose 3 of the following)  9
Fire Tek 207  Wildland Fire Control  3
Fire Tek 209  Fire Tactics and Strategy  3
Fire Tek 210  Fire Company Organization and Procedure  3
Fire Tek 216  Fire Investigation  3
Three Additional 3-Unit Courses+9

Additional G.E. Requirements—30
Total 60

+ Nine units must be selected to meet degree and/or Career Education certificate requirements: Fire Technology 207, 209, 210, 213, 217, AJ 16, AJ 319.

**Certificate of Achievement in Fire Technology**

**Major Code: 213300**

The certificate of Achievement is awarded upon completion of 24 units of technical course work in Fire Technology, plus one course in written communications (English 28 or English 101 and one course in mathematics (Math 115 or Math 123A and Math 123B or a more advanced course in mathematics).

**Core Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Tek 201</td>
<td>Introduction to Fire Protection</td>
<td>3</td>
</tr>
<tr>
<td>Fire Tek 202</td>
<td>Fire Prevention Technology</td>
<td>3</td>
</tr>
<tr>
<td>Fire Tek 203</td>
<td>Fire Protection Equipment &amp; Systems</td>
<td>3</td>
</tr>
<tr>
<td>Fire Tek 204</td>
<td>Building construction for Fire Protection</td>
<td>3</td>
</tr>
<tr>
<td>Fire Tek 205</td>
<td>Fire behavior and combustion</td>
<td>3</td>
</tr>
<tr>
<td>Fire Tek 216</td>
<td>Fundamentals of Personal Fire Safety &amp; Emergency Action</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

(choose 3 of the following)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Tek 207</td>
<td>Wildland Fire Control</td>
<td>3</td>
</tr>
<tr>
<td>Fire Tek 209</td>
<td>Fire Tactics and Strategy</td>
<td>3</td>
</tr>
<tr>
<td>Fire Tek 210</td>
<td>Fire Company Organization and Procedure</td>
<td>3</td>
</tr>
<tr>
<td>Fire Tek 216</td>
<td>Fire Investigation</td>
<td>3</td>
</tr>
<tr>
<td>Fire Tek</td>
<td>Two additional courses</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Written Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total** 24

^ Required for students beginning Fall 2014

For information on Student Learning Outcomes, go to http://www.lahc.edu/slo/program.htm

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**Health Occupations Certificate Program**

Skills Certificate in Health Occupations

The Skills Certificate in Health Occupations is designed for students who wish to enter one of the many health career programs in the Los Angeles Community College District (such as Certified Nurse Assistant/Home Health Aide, Emergency Department Assistant, Dental Hygiene, Senior Care Specialist, Health Information Technology, Medical Assistant, and Registered Nurse), and/or prepare for a job in a related health care position in the Los Angeles area. The program will 1) introduce students to health care pathways and careers, 2) provide foundational knowledge necessary for a career in health care, and 3) better prepare students for entry into a health care pathway.

**Required Core:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTHOCC 062</td>
<td>Skill Set for the Health Care Professional</td>
<td>2.0</td>
</tr>
<tr>
<td>HLTHOCC 063</td>
<td>Basic Medical Terminology, Pathophysiology and Pharmacology for the Health Care Professional</td>
<td>2.0</td>
</tr>
<tr>
<td>HLTHOCC 064</td>
<td>Cultural and Legal Topics for Health Care Professionals</td>
<td>1.0</td>
</tr>
<tr>
<td>HLTH0CC 065</td>
<td>Fundamentals for the Health Care Professional</td>
<td>2.5</td>
</tr>
</tbody>
</table>

**Total** 7.5
**History Degree and Certificate Program**

**Associate in Arts in History for Transfer Degree (AA-T)**
Major Code: 220500

The Associate in Arts in History for Transfer (AA-T) is intended for those transfer-directed students who plan to complete an AA in History, guaranteeing admission to the CSU system (but not to a specific campus or major). In order to earn the AA-T in History, students must complete a minimum of 60 required semester units of CSU-transferable coursework which includes the CSU General Education or IGETC requirements with a minimum GPA of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

**Program Learning Outcomes**
Upon completion students will be able to:
- Summarize and critically analyze graphic and textual information.
- Communicate a clear argument both orally and in writing. The argument will include a thesis statement, support data, and citations.
- Identify field-specific theories/perspectives and apply the theories to new information or situations.
- Locate, identify, and evaluate relevant sources of traditional and electronic information and demonstrate an ethical use of these sources.
- Describe how different cultures have contributed to the workforce, community, and the world.

**General Education (CSU G.E. or IGETC)**
Core Requirements 37-39

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>History 011</td>
<td>3</td>
</tr>
<tr>
<td>History 012</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

<table>
<thead>
<tr>
<th>List A (choose one course from each paired option listed below)</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>History 086 Introduction to World Civilization I 3</td>
<td></td>
</tr>
<tr>
<td>History 001 Introduction to Western Civilization I 3</td>
<td></td>
</tr>
<tr>
<td>History 087 Introduction to World Civilization II 3</td>
<td></td>
</tr>
<tr>
<td>History 002 Introduction to Western Civilization II 3</td>
<td></td>
</tr>
</tbody>
</table>

**List B (choose one course from each group not including those taken to satisfy List A)**

<table>
<thead>
<tr>
<th>Group 1</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>History 086 Introduction to World Civilization I 3</td>
<td></td>
</tr>
<tr>
<td>History 087 Introduction to World Civilization II 3</td>
<td></td>
</tr>
<tr>
<td>History 001 Introduction to Western Civilization I 3</td>
<td></td>
</tr>
<tr>
<td>History 002 Introduction to Western Civilization II 3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Group 2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>History 021 Fundamentals of Japanese I 3</td>
<td></td>
</tr>
<tr>
<td>Spanish 021 Fundamentals of Spanish I 3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group 3</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>History 021 History of the Russian People 3</td>
<td></td>
</tr>
<tr>
<td>History 074 History of Asian Civilization 3</td>
<td></td>
</tr>
<tr>
<td>Poli Sci 002 Modern World Governments 3</td>
<td></td>
</tr>
</tbody>
</table>

Additional CSU transferable courses not taken above sufficient to meet the minimum degree requirement of 60 units.

**TOTAL** 60

For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.htm.

**Industrial Engineering Technology Degree and Certificate Program**

*The three program awards listed below are under review. Pending the outcome of that review, they are not available to students entering under the current catalog. Students who have declared these...*
majors under a previous catalog and have maintained rights to continue under that catalog must complete the program as specified therein. Such students are advised to consult a counselor for guidance on completing the program.

Program Learning Outcomes
Upon completion of the program, students will able to, articulate and justify technical problems through oral, written, and graphical communication, troubleshoot a variety of electronic and/or computer-based components and systems including signal processing, communications, computer networks, and controls, employ mathematics, science, and computing techniques in a systematic, comprehensive, manner to support the study and solution of engineering problems, demonstrate industry-standards when interpreting and creating engineering drawings, and describe professional and ethical responsibilities in engineering.

ASSOCIATE IN SCIENCE DEGREE IN ELECTROMECHANICAL TECHNOLOGY
Major Code: 093500

CERTIFICATE OF ACHIEVEMENT IN ELECTROMECHANICAL TECHNOLOGY
Major Code: 093500

CERTIFICATE OF ACHIEVEMENT IN PROCESS PLANT TECHNOLOGY
Major Code: 095601

For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.html

KINESIOLOGY DEGREE AND CERTIFICATE PROGRAM
formerly Physical Education

ASSOCIATE IN ARTS IN KINESIOLOGY FOR TRANSFER (AA-T) DEGREE
Major Code: 127000

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an “associate degree for transfer”, a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor’s degree (unless the major is a designated “high-unit” major). In order to earn the AA-T in Kinesiology, students must complete: a minimum of 18 semester units in the major with a grade of C or better while maintaining a minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework; 60 semester CSU-transferable units using the California State University-General Education-Breadth pattern (CSU-GE Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern; no more than 60 semester units are required.

Program Learning Outcomes
Upon completion students will be able to:
• Demonstrate the principles and skills to develop a curriculum for the discipline of physical education.
• Assess how National Mandates and Standards are needed to improve the physical education curriculum.
• Compare the fields of recreation, dance and sport. Explain how sub disciplines or fragmentations of physical education relate to health.
• Assess risk factors for stress, reproductive health, infectious diseases, major chronic diseases and personal safety.
• Demonstrate that diversity of career and professional opportunities are available in school and non-school settings.

GENERAL EDUCATION (CSU G.E. or IGETC) 37-39 Units

Continues on next page
### Degree and Certificate Programs

Los Angeles Harbor College

#### Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kin Maj 100</td>
<td>10</td>
</tr>
<tr>
<td>Anatomy 001</td>
<td>3</td>
</tr>
<tr>
<td>Physiology 001</td>
<td>4</td>
</tr>
<tr>
<td>Movement-based courses</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>60</strong></td>
</tr>
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</table>

#### Combatives

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kin 217</td>
<td>1</td>
</tr>
<tr>
<td>Kin 217-1</td>
<td>1</td>
</tr>
<tr>
<td>Kin 217-2</td>
<td>1</td>
</tr>
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</table>

#### Dance

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>DanceTQ 141</td>
<td>1</td>
</tr>
</tbody>
</table>

#### Individual Sports

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kin 268</td>
<td>1</td>
</tr>
</tbody>
</table>

#### Team Sports

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kin 287</td>
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<tr>
<td>Kin 287-1</td>
<td>1</td>
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<tr>
<td>Kin 287-2</td>
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<tr>
<td>Kin 291</td>
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<td>Kin 291-2</td>
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<tr>
<td>Kin 291-3</td>
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</table>

#### Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Math 227</td>
<td>4</td>
</tr>
<tr>
<td>STAT 001</td>
<td>3</td>
</tr>
<tr>
<td>Health 12</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Additional Courses

Additional CSU transferable courses not taken above sufficient to meet the minimum degree requirement of 60 units.

**Total** 60

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**Effective Spring 2010 (Approved: CC, Senate, BOT, CCC)**

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**Skills Certificate in Kinesiology: Fitness Training**

**Major Code: 127000**

Content and curriculum within each course in the program is designed to present the student with the knowledge, skills and abilities to become a successful Personal Fitness Trainer. Students will learn how to apply their client’s health history, goals, and abilities integrating exercise science curriculum and practical training techniques into a systematic model that teaches students to progress their clients through different training levels and phases. The Certificate Program is designed to supply essential educational pathways and career opportunities to those seeking to start a career in the emerging fitness/health industry, and for allied health and medical professionals from all fields seeking to broaden their careers to become full or part-time personal Fitness Trainer.

**Requirement Courses** 17 Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 005</td>
<td>4</td>
</tr>
<tr>
<td>Comm 101 or Comm 121</td>
<td>3</td>
</tr>
<tr>
<td>Health 12</td>
<td>3</td>
</tr>
</tbody>
</table>
& CS 021 Nutrition 3
Health 012 Safety Education and First Aid 3
KIN MAJ 119 Physical Efficiency 2
KIN 010 Scientific Physical Fitness Laboratory 1
KIN 250-1 or 250-2 Weight Training Skills I or II 1

Effective Spring 2015: Approved (CC, Senate)

For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.htm.

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**LIBERAL ARTS AND SCIENCES/ GENERAL EDUCATION DEGREE AND CERTIFICATE PROGRAM**

**ASSOCIATE IN ARTS IN LIBERAL ARTS AND SCIENCES DEGREE**
The Associate in Arts in Liberal Arts and Sciences degrees are designed for students who desire a broad base of knowledge in the liberal arts and sciences. Each Liberal Arts and Sciences degree consists of a core general education component, a minimum of 18 units in an area of emphasis, and a number of electives sufficient to reach a minimum of 60 units overall.

All students are strongly advised to meet with a counselor for academic planning. Students who plan to transfer will need to consult a counselor and the Transfer Center for specific information regarding preparation for the intended major at the colleges/universities of choice, in order to facilitate a seamless transition.

**ASSOCIATE IN ARTS IN ARTS AND HUMANITIES DEGREE**

**Major Code: 490313**
The courses in this area emphasize the study of cultural, literary, humanistic, 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 with respect to artistic and cultural creation. Students will also learn to value aesthetics and incorporate these concepts when constructing value judgments. The Arts and Humanities concentration allows students to take courses that will prepare them for possible majors within the fields of Art, Foreign Languages, Humanities, Film, Music, Philosophy and more.

**General Education Requirements**
(choose one of the following plans):

- **Plan A**
- **CSU GE** 30 Units
- **IGETC** 37-39 Units
- **IGETC** 34-41 Units

**Core requirements**
(choose 18 units from the following):

Architecture 132, 133
Art 101, 102, 103, 111, 201, 501, 502, 639, 713
Cinema 105
Comm 101, 104, 121, 122, 151, 190
French 001, 002, 003, 004
German 001, 002, 003, 004
History 086, 087
Humanities, 001, 006, 017, 031, 060
Japanese 021, 022
Kinesiology 032
Music 101, 111, 136, 141, 200
Philosophy 001, 006, 020, 033
Photography 121
Spanish 001, 002, 003, 004
Theater Arts 100, 200, 270, 300
Electives (sufficient to reach the degree total of 60 units)

Effective Spring 2015 (Approved: CC, Senate)

**Health and Fitness**

**Major Code: 490101**
An emphasis in this area is designed to familiarize students with the various aspects that contribute to healthful living. Students will learn how to incorporate these principles into their own lives. They will also learn to critically evaluate their personal choices regarding disease prevention and fitness. The Health and Fitness concentration allows students to take courses that will prepare them for possible majors within the fields of...
Kinesiology, Dance, Kinesiology and others.

**General Education Requirements**
(choose one of the following plans):

- **Plan A**
  - 30 Units

- **CSU GE**
  - 37-39 Units

- **IGETC**
  - 34-41 Units

**Core requirements**
(choose 18 units from the following):

- Anatomy 001
- Anthropology 101, 111
- Astronomy 001, 005
- Biology 001, 003, 005, 010, 060, 101, 102, 103
- Chemistry 040, 055, 065, 066, 070, 101, 102, 201, 202, 211, 212
- Computer Science and Information Technology 059
- Environmental Science 001, 002, 008, 021
- Geography 001, 015
- Geology 001, 006, 011
- Microbiology 001, 020
- Oceanography 001, 004, 010, 012
- Physiology 001
- Psychology 002*

**Electives** (sufficient to reach the degree total of 60 units)

**Effective Spring 2015 (Approved: CC, Senate)**

**Mathematics and Natural Sciences**

**Major Code: 490201**

This emphasis provides a broad based degree in mathematics and the natural sciences. These courses examine the physical universe, its life forms, and its natural phenomena. Courses in mathematics 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 math and science as investigative tools. The Mathematics and Natural Sciences concentration allows students to take courses that will prepare them for possible majors within the fields of Astronomy, Biology, Chemistry, Geography, Geology, Mathematics, Physics, and more.

**General Education Requirements**
(choose one of the following plans):

- **Plan A**
  - 30 Units

- **CSU GE**
  - 37-39 Units

- **IGETC**
  - 34-41 Units

**Social and Behavioral Sciences**

**Major Code: 490107**

These courses focus on people as members of society. The courses in this area are designed to develop an awareness of the method of inquiry used by the Social and Behavioral sciences. Students will learn the perspectives, concepts, theories and methodologies of the disciplines that comprise the social and behavioral sciences, and will learn to think critically about, and appreciate, the ways people act and have acted in societies and social subgroups. The social and Behavioral Sciences concentration allows students to take courses that will prepare them for possible majors within the fields of Anthropology, Economics, History, Political Science, Psychology, Sociology and more.

**General Education Requirements**
(choose one of the following plans):

- **Plan A**
  - 30 Units
CSU GE  
37-39 Units

IGETC  
34-41 Units

Core requirements  
(choose 18 units from the following):

Administrative Justice 001  
Anthropology 101, 102, 103, 104  
Business 001  
Child Development 001  
Economics 001, 002  
Geography 002, 007  
History 001, 002, 005, 006, 011, 012, 019, 020, 021, 041, 042, 043, 044, 052, 058, 074, 081, 082, 086, 087  
Political Science 001, 002, 004, 007, 030  
Psychology 001, 002*, 003, 014, 041  
Sociology 001, 002, 012, 021*  
Statistics 001  
Electives  
(sufficient to reach the degree total of 60 units)

Effective Spring 2015 (Approved: CC, Senate)

For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.html

LIBERAL STUDIES DEGREE PROGRAM

ASSOCIATE IN ARTS DEGREE IN LIBERAL STUDIES  
Major Code: 490120

The Associate in Arts degree in Liberal Studies is designed primarily for students who are preparing to transfer to either CSU Dominguez Hills or CSU Long Beach to become elementary school teachers.

All students are strongly advised to meet with a counselor for academic planning. Students who plan to transfer will need to consult a counselor and the Transfer Center for specific information regarding preparation for the intended major at the colleges/universities of choice, in order to facilitate a seamless transition.

The degree requires a minimum of 60 transferable semester units as follows:

**Area I: (9 units)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 101</td>
<td>College Reading and Composition</td>
<td>3</td>
</tr>
<tr>
<td>Comm 101</td>
<td>Oral Communications I</td>
<td>3</td>
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</tbody>
</table>

One course from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 102*, 205, 206</td>
<td></td>
<td>3</td>
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</tbody>
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**Area II: (6 units)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 215</td>
<td>Principles of Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>Math 216</td>
<td>Principles of Mathematics II</td>
<td>3</td>
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</table>

**Area III: (7-13 units)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 003</td>
<td>Introduction to Biology</td>
<td>4</td>
</tr>
<tr>
<td>Astron 001 or Geology 001 with 006</td>
<td>3 or 5</td>
<td></td>
</tr>
<tr>
<td>Phys Sci 001 with 014</td>
<td></td>
<td>4</td>
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</table>

**Area IV: (12 units)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>History 011</td>
<td>Poli. and Social History of the US</td>
<td>3</td>
</tr>
<tr>
<td>History 012</td>
<td>Poli. and Social History of the US</td>
<td>3</td>
</tr>
<tr>
<td>Poli. Sci. 001</td>
<td>The Government of the US</td>
<td>3</td>
</tr>
<tr>
<td>Geog 007</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>History 086</td>
<td>World Civilization I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Area V: (9 units) from the following courses:** 9 units

Art 103, Music 101, Dance ST 805, English 218, Theater 100, Philosophy 001, 020, 033

**Area VI: (3 units) from the following courses:** 3 units

Comm 104*, Philosophy 006*, Child Development

Continues on next page
Area VII: Health 002, 3 units
*This course will fulfill the critical thinking requirement for CSU admission.

Additional units, as electives, to equal a total of 60 transferable units, including but not limited to:
Art 201, 300
Math 227, 230, 234, 235, 240, 245
Child Development 010, 011, 042, 045
Oceanography 012, Chemistry 065,
Oceanography 001, Physics 006
For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/
program.html

Certificate of Achievement in Intersegmental General Education Transfer Curriculum (IGETC)
The Certificate of Achievement in the Intersegmental General Education Transfer Curriculum (IGETC) is designed for students who intend to transfer to the University of California (UC)—option 1 or California State University (CSU)—option 2 into any baccalaureate program that requires the IGETC*. In order to earn this certificate, a student must complete all IGETC requirements listed on page [catalog page number will be inserted here] of the current catalog**. Enrollment in some courses may be limited by the English and math placement and/or prerequisite coursework. A grade of “C” or better is required in all courses used to satisfy the requirements for this certificate, and courses may not be used to satisfy more than one IGETC requirement, unless otherwise noted in the program requirements.

*Though completion of this certificate constitutes eligibility for transfer, general education certification by the Admissions and Records Office is required in order for this eligibility to appear on the transcript prior to submission to the transfer institution. Furthermore, additional major course preparation may be required for admission to the student's intended major program.

**Because these requirements are approved for a specific academic year only, catalog rights are only valid for courses currently approved at the time this certificate is awarded. The most up-to-date list of approved courses can be found at the website assist.org. Updates to the requirements listed in the printed catalog will be reflected in the online edition of the catalog as soon as it is practical to publish them. Students are advised to consult a counselor to insure that they enroll in courses that will satisfy these requirements.

Effective Fall 2015 (Approved: CC, Senate, BOT, CCCCO)

Mathematics Degree Program

Associate in Science in Mathematics for Transfer (AS-T) Degree
Major Code: 170100
Program Goals and Objectives
The Associate in Science in Mathematics for Transfer (AS-T) Degree is intended for students planning to transfer into a Bachelor of Science program in Mathematics or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program. A student may earn an Associate in Science in Mathematics for Transfer (AS-T) Degree by completing 60 semester units that are eligible for transfer to the CSU, including 21-23 units in Mathematics, Physics, and/or Computer Technology, 1-9 elective units, and either the Intersegment General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, all with a grade of C or better ("P" for "pass" grades are not acceptable) and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with
The Student Transfer Achievement Reform Act (Senate Bill 1440).

Program Learning Outcomes
Upon completion of the program, students will be able to:
* Create, interpret and analyze graphs and charts that communicate quantitative or relational information.
* Apply mathematical techniques to solve problems that arise in the real world.
* Determine and carry out an appropriate mathematical algorithm to solve problems with or without the support of technology.
* Communicate content information formally, using appropriate mathematical notation and terminology.
* Engage in logical and critical thinking

GENERAL EDUCATION
(CSU G.E. or IGETC) 37-39 units

Core Requirements 15
Math 265 Calculus with Analytic Geometry I 5
Math 266 Calculus with Analytic Geometry II 5
Math 267 Calculus with Analytic Geometry III 5

Electives 7-8
List A (choose at least one course) 3-6
Math 275 Ordinary Differential Equations 3
Math 270 Linear Algebra 3

List B (choose one course) 4-5
Physics 037 Physics for Engineers and Scientists I 5
Math 227 Statistics 4

Additional CSU transferable courses not taken above sufficient to meet the minimum degree requirement of 60 units.

Total 60

ASSOCIATE IN SCIENCE DEGREE IN MATHEMATICS
Major Code: 170100
Plan A
The Associate in Science degree in Mathematics is designed for students who either intend to transfer to the UC or CSU as Mathematics majors. The AS degree consists of a core general education component, 30 units in the major, and additional elective units as needed to reach a minimum of 60 units overall.

All students are strongly advised to meet with a counselor for academic planning. Students who plan to transfer will need to consult a counselor and the Transfer Center for specific information regarding preparation for the intended major at the colleges/universities of choice, in order to facilitate a seamless transition.

Choose either option 1 or 2 or 3 for the General Education Core:

1. LAHC G.E. Plan A (30 units)
2. CSU G.E. Breadth -- including Health or Nutrition, P.E. and U.S. history or U.S. government (39-41 units)
3. IGETC -- including Health or Nutrition, P.E. and U.S. history or U.S. government (34-41 units)

Courses required for the major (30 units):
Mathematics 227, Statistics 4 units
Mathematics 265, Calculus with analytic Geometry I 5 units
Mathematics 266, Calculus with analytic Geometry III 5 units
Mathematics 267, Calculus with analytic Geometry III 5 units
Mathematics 270, Linear Algebra 3 units
Mathematics 275, Ordinary Differential Equations 3 units
Physics 038, Physics for Engineers II 5 units

For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.html

MUSIC DEGREE AND CERTIFICATE PROGRAM

The Music Program offers a comprehensive
curriculum designed for students who wish to develop professional skills and who wish to transfer to a four-year music program. Students may earn an Associate in Arts in Music for Transfer (AA-T) degree and/or any of the 40-unit Certificates of Achievement or 17-unit Skills Certificates in any of the eight areas of specialization: Arranging, Copying and Notation, Electronic Music, Instrumental Performance, Private Teaching, Songwriting, Recording Arts, and Vocal Performance. The requirements for each of these are listed below. Note: some of the courses listed may not be offered every semester or during summer/winter sessions. Students interested in earning any of these awards should consult a music faculty member and college counselor.

Program Learning Outcomes
Upon completion of the program, students will be able to:
• Recognize the compositional processes associated with a musical work and articulate the technical, historical, and cultural forces that shape it.
• Employ appropriate theoretical, stylistic, and historical performance practices to a representative body of solo and ensemble music literature.
• Utilize print materials, concert attendance, and electronic media to perform research related to music.
• Demonstrate the collaborative skills necessary to perform music as a member of an ensemble and respect for differing cultural musical traditions.
• Demonstrate continuing growth in applying instrumental or vocal technique, musicianship, the ability to read music notation, and aesthetic awareness to the preparation of expressive musical performances.

ASSOCIATE IN ARTS IN MUSIC DEGREE FOR TRANSFER (AA-T)
Major Code: 100400

Program Goals and Objectives
A student may earn an Associate in Arts in Music for Transfer degree by completing 21-22 core units in Music and 37-39 CSU GE Breadth units in General Education with a minimum GPA of 2.0. The Associate in Arts in Music for Transfer degree is intended for students who are planning to transfer to a California State University (CSU) into a Bachelor of Arts Music program; guaranteeing admission to the CSU system (but not to a specific campus or major – a process that may require auditions and/or placement tests at the transfer institution). Note – 3 units, depending on course selection, may be double counted as meeting GE requirements.

Pursuant to Ed Code Section 66746, students should complete 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. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

GENERAL EDUCATION
(CSU G.E. or IGETC) 37-39 units

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music 216-1</td>
<td>Music Theory 1</td>
<td>3</td>
</tr>
<tr>
<td>(or Music 200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or 216A)</td>
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</tr>
<tr>
<td>Music 217-1</td>
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<tr>
<td>(or Music 200</td>
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<tr>
<td>or 216B)</td>
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</tr>
<tr>
<td>Music 216-2</td>
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<td>3</td>
</tr>
<tr>
<td>(or Music 201</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or 217A)</td>
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<td>Music 217-2</td>
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</tr>
<tr>
<td>(or Music 211</td>
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<tr>
<td>or 217B)</td>
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<tr>
<td>(or Music 202</td>
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<tr>
<td>or 217A)</td>
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<td>Music 217-3</td>
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<tr>
<td>(or Music 212</td>
<td></td>
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<td>or 203)</td>
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<td>Music 216-4</td>
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<tr>
<td>(or Music 202</td>
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<tr>
<td>or 213)</td>
<td></td>
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<tr>
<td>Music 181</td>
<td>Applied Music I</td>
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<td>Music 182</td>
<td>Applied Music II</td>
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<td>Applied Music III</td>
<td>.5</td>
</tr>
<tr>
<td>Music 184</td>
<td>Applied Music IV</td>
<td>.5</td>
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</tbody>
</table>

continues on next page
Plus, Performance Ensembles, choose 4 units
Music 251  Jazz Improvisation Workshop 1
Music 251-1 Jazz Improvisation Workshop I 1
Music 251-2 Jazz Improvisation Workshop II 1
Music 251-3 Jazz Improvisation Workshop III 1
Music 251-4 Jazz Improvisation Workshop IV 1
Music 501* College Choir 1
Music 511* Collegiate Choir 1
Music 531* Philharmonic Choir 1
Music 765* Percussion Ensemble 1
Music 775* Jazz Ensemble 1
*Repeatable for up to 4 units

TOTAL 60

**Certificate of Achievement in Music**

**Core Requirements**

*(for all areas of specialization)* 26

**Theory, Musicianship, and Business**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Music 216-1</td>
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<td>Music 217-1</td>
<td>Musicianship 1  (or Music 200 or 216B)</td>
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<tr>
<td>Music 216-2</td>
<td>Music Theory 2  (or Music 201 or 217A)</td>
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<tr>
<td>Music 217-2</td>
<td>Musicianship 2  (or Music 211 or 217B)</td>
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</tr>
<tr>
<td>Music 216-3</td>
<td>Music Theory 3  (or Music 202)</td>
<td>3</td>
</tr>
<tr>
<td>Music 217-3</td>
<td>Musicianship 3  (or Music 212)</td>
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<tr>
<td>Music 216-4</td>
<td>Music Theory 4  (or Music 203)</td>
<td>3</td>
</tr>
<tr>
<td>Music 217-4</td>
<td>Musicianship 4  (or Music 213)</td>
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<tr>
<td>Music 280</td>
<td>Business of Commercial Music</td>
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Plus, Performance Ensembles, choose 4 units
Music 251  Jazz Improvisation Workshop 1
Music 251-1 Jazz Improvisation Workshop I 1
Music 251-2 Jazz Improvisation Workshop II 1
Music 251-3 Jazz Improvisation Workshop III 1
Music 251-4 Jazz Improvisation Workshop IV 1
Music 501* College Choir 1
Music 511* Collegiate Choir 1
Music 531* Philharmonic Choir 1
Music 765* Percussion Ensemble 1

Music 775* Jazz Ensemble 1
*Repeatable for up to 4 units

Plus, Music Technology, choose 3 units
Music 161  Introduction to Electronic Music 3
Music 165  Introduction to Recording Arts 3

**Electives** (choose any not used for core or specialization requirements, required units vary by area of specialization)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music 111</td>
<td>Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>Music 116</td>
<td>Survey and History of Rock, Pop, and Soul Music</td>
<td>3</td>
</tr>
<tr>
<td>Music 141</td>
<td>Jazz Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>Music 161</td>
<td>Introduction to Electronic Music</td>
<td>3</td>
</tr>
<tr>
<td>Music 165</td>
<td>Introduction to Recording Arts</td>
<td>3</td>
</tr>
<tr>
<td>Music 231</td>
<td>Orchestration and Arranging I</td>
<td>3</td>
</tr>
<tr>
<td>Music 232</td>
<td>Orchestration and Arranging II</td>
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<td>Music 241</td>
<td>Music Copying and Notation I</td>
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</tr>
<tr>
<td>Music 242</td>
<td>Music Copying and Notation II</td>
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</tr>
<tr>
<td>Music 261 (or 261-1)</td>
<td>Electronic Music Workshop (I)</td>
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<td>Music 265 (or 265-1)</td>
<td>Recording Arts Workshop (I)</td>
<td>3</td>
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<tr>
<td>Music 271</td>
<td>Songwriters Workshop</td>
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<td>Songwriters Workshop III</td>
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<tr>
<td>Music 322</td>
<td>Piano II</td>
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</tr>
<tr>
<td>Music 323</td>
<td>Piano III</td>
<td>2</td>
</tr>
<tr>
<td>Music 324</td>
<td>Piano IV</td>
<td>2</td>
</tr>
<tr>
<td>Music 411</td>
<td>Elementary Voice I</td>
<td>2</td>
</tr>
<tr>
<td>Music 412</td>
<td>Elementary Voice II</td>
<td>2</td>
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<tr>
<td>Music 413</td>
<td>Elementary Voice III</td>
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<tr>
<td>Music 414</td>
<td>Elementary Voice IV</td>
<td>2</td>
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<td>Voice Classes</td>
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<td>Music 600s</td>
<td>Instrument Classes</td>
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<td>Music 650</td>
<td>Beginning Guitar</td>
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<tr>
<td>Music 651</td>
<td>Classical Guitar I</td>
<td>2</td>
</tr>
<tr>
<td>Music 652</td>
<td>Classical Guitar II</td>
<td>2</td>
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<tr>
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<td>Classical Guitar III</td>
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</tr>
<tr>
<td>Music 654</td>
<td>Classical Guitar IV</td>
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</table>

Additional Performance Ensemble(s)
(see list in core requirements) 1

Continues on next page
## Areas of Specialization:

### Certificate of Achievement in Music: Arranging
**Major Code:** 100506

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>26 Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specialization Requirements</td>
<td>6 Units</td>
</tr>
<tr>
<td>Music 231</td>
<td>Orchestration and Arranging I</td>
</tr>
<tr>
<td>Music 232</td>
<td>Orchestration and Arranging II</td>
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</tbody>
</table>

**Electives**
(chosen from Music Electives list above) 6 Units

### Certificate of Achievement in Music: Copying and Notation
**Major Code:** 100502

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>26 Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specialization Requirements</td>
<td>9 Units</td>
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<tr>
<td>Music 231</td>
<td>Orchestration and Arranging I</td>
</tr>
<tr>
<td>Music 241</td>
<td>Music Copying and Notation I</td>
</tr>
<tr>
<td>Music 242</td>
<td>Music Copying and Notation II</td>
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<tr>
<td>Music 251 or 251-1 Jazz Improvisation Workshop</td>
<td>1</td>
</tr>
<tr>
<td>Music 271</td>
<td>Songwriters Workshop</td>
</tr>
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</table>

**Electives**
(chosen from Music Electives list above) 9 Units

### Certificate of Achievement in Music: Electronic Music
**Major Code:** 100507

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>26 Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specialization Requirements</td>
<td>9 Units</td>
</tr>
<tr>
<td>Music 161</td>
<td>Introduction to Electronic Music</td>
</tr>
<tr>
<td>Music 165</td>
<td>Introduction to Recording Arts *</td>
</tr>
</tbody>
</table>

*Double-counts as satisfying the music technology CORE requirement.

### Certificate of Achievement in Music: Instrumental Performance
**Major Code:** 100503

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>26 Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specialization Requirements</td>
<td>9 Units</td>
</tr>
<tr>
<td>Music 181</td>
<td>Applied Music I</td>
</tr>
<tr>
<td>Music 182</td>
<td>Applied Music II</td>
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<tr>
<td>Music 183</td>
<td>Applied Music III</td>
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<tr>
<td>Music 184</td>
<td>Applied Music IV</td>
</tr>
<tr>
<td>Music 251 or 251-1 Jazz Improvisation Workshop</td>
<td>1</td>
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</tbody>
</table>

**Electives**
(chosen from Music Electives list above) 5 Units

### Certificate of Achievement in Music: Private Teaching
**Major Code:** 100500

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>26 Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specialization Requirements</td>
<td>11 Units</td>
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<tr>
<td>Music 111</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>Music 181</td>
<td>Applied Music I</td>
</tr>
</tbody>
</table>
Music 182  Applied Music II  .5  
Music 183  Applied Music III  .5  
Music 184  Applied Music IV  .5

**Applied Music Lab**  
(chosen from the following):  6 Units  
Music 180  Applied Music Lab  1.5  
Music 180-1 Applied Music Lab I  1.5  
Music 180-2 Applied Music Lab II  1.5  
Music 180-3 Applied Music Lab III  1.5  
Music 180-4 Applied Music Lab IV  1.5

**Electives**  
(chosen from Music Electives list above)  3 Units

**Certificate of Achievement in Music:**  
**Recording Arts**  
Major Code:  100505  

**Core Requirements**  26 Units  

**Specialization Requirements**  9 Units  
Music 161  Introduction to Electronic Music  *  
Music 165  Introduction to Recording Arts  3  
*Double-counts as satisfying the music technology CORE requirement.

**Recording Arts Workshop**  
(chosen from the following):  6 Units  
Music 265  Recording Arts Workshop  3  
Music 265-1 Recording Arts Workshop I  3  
Music 261-2 Recording Arts Workshop II  3  
Music 265-3 Recording Arts Workshop III  3

**Electives**  
(chosen from Music Electives list above)  5 Units

**Certificate of Achievement in Music:**  
**Songwriting**  
Major Code:  100501  

**Core Requirements**  26 Units  

**Specialization Requirements**  8 Units  
Music 271  Songwriter’s Workshop  3  
Music 272  Songwriters Workshop II  3  
Music 411  Elementary Voice I  2

**Electives**  
(chosen from Music Electives list above)  6 Units

**Certificate of Achievement in Music:**  
**Vocal Performance**  
Major Code:  100504  

**Core Requirements**  26 Units  

**Specialization Requirements**  8 Units  
Music 181  Applied Music I  0.5  
Music 182  Applied Music II  0.5  
Music 183  Applied Music III  0.5  
Music 184  Applied Music IV  0.5

**Applied Music Lab**  
(chosen from the following):  6 Units  
Music 180  Applied Music Lab  1.5  
Music 180-1 Applied Music Lab I  1.5  
Music 180-2 Applied Music Lab II  1.5  
Music 180-3 Applied Music Lab III  1.5  
Music 180-4 Applied Music Lab IV  1.5

**Electives**  
(chosen from Music Electives list above)  6 Units

**Skills Certificates in Music**
### Degree and Certificate Programs

**Los Angeles Harbor College**

#### Performance Ensembles
(choose any not used for core or specialization requirements, required units vary by area of specialization)

- **Music 251** Jazz Improvisation Workshop 1
- **Music 251-1** Jazz Improvisation Workshop I 1
- **Music 251-2** Jazz Improvisation Workshop II 1
- **Music 251-3** Jazz Improvisation Workshop III 1
- **Music 251-4** Jazz Improvisation Workshop IV 1
- **Music 501** College Choir 1
- **Music 511** Collegiate Choir 1
- **Music 531** Philharmonic Choir 1
- **Music 765** Percussion Ensemble 1
- **Music 775** Jazz Ensemble 1

*Repeatable for up to 4 units

**AREAS OF SPECIALIZATION:**

#### Skills Certificate in Music: Arranging

**Major Code:** 100506

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>11 Units</th>
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</thead>
<tbody>
<tr>
<td>Specialization Requirements</td>
<td>6 Units</td>
</tr>
</tbody>
</table>

**Performance Ensembles**
(chosen from Performance Ensembles list above)

- **Music 231** Orchestration and Arranging I 3
- **Music 241** Music Copying and Notation I 1

#### Skills Certificate in Music: Copying and Notation

**Major Code:** 100502

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>11 Units</th>
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<tbody>
<tr>
<td>Specialization Requirements</td>
<td>6 Units</td>
</tr>
</tbody>
</table>

**Performance Ensembles**
(chosen from Performance Ensembles list above)

- **Music 241** Music Copying and Notation I 1
- **Music 271** Songwriters Workshop I 3

#### Skills Certificate in Music: Electronic Music

**Major Code:** 100507

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>11 Units</th>
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<tbody>
<tr>
<td>Specialization Requirements</td>
<td>6 Units</td>
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</table>

**Core Requirements**

<table>
<thead>
<tr>
<th>Music 161**</th>
<th>Introduction to Electronic Music</th>
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</thead>
<tbody>
<tr>
<td>Music 261-1</td>
<td>Electronic Music Workshop I</td>
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</table>

**Skills Certificate in Music: Instrumental Performance**

**Major Code:** 100503

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<tr>
<th>Core Requirements</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Specialization Requirements</td>
<td>6 Units</td>
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</tbody>
</table>

**Performance Ensembles**
(chosen from Performance Ensembles list above)

- **Music 251** or **251-1**
- **Music 181-2** Applied Music I and II 1

<table>
<thead>
<tr>
<th>Applied Music Lab</th>
<th>3 Units</th>
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</thead>
<tbody>
<tr>
<td>Music 180**</td>
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<td>Music 180-3</td>
<td>Applied Music Lab III</td>
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<td>Music 180-4</td>
<td>Applied Music Lab IV</td>
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#### Skills Certificate in Music: Private Teaching

**Major Code:** 100500

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<tr>
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</thead>
<tbody>
<tr>
<td>Specialization Requirements</td>
<td>6 Units</td>
</tr>
</tbody>
</table>

**Performance Ensembles**
(chosen from Performance Ensembles list above)

- **Music 241** Music Copying and Notation I 1
- **Music 271** Songwriters Workshop I 3
**Performance Ensembles (list above) ** 2 Units  
Music 181-2  Applied Music I and II  1  

**Applied Music Lab**  
(chosen from the following): 3 Units  
Music 180  Applied Music Lab  1.5  
Music 180-1  Applied Music Lab I  1.5  
Music 180-2  Applied Music Lab II  1.5  
Music 180-3  Applied Music Lab III  1.5  
Music 180-4  Applied Music Lab IV  1.5  

**SKILLS CERTIFICATE IN MUSIC: RECORDING ARTS**  
Major Code: 100505  

**Core Requirements** 11 Units  

**Specialization Requirements** 6 Units  
Music 165  Introduction to Recording Arts  3  
Music 265-1  Recording Arts Workshop I  3  

**SKILLS CERTIFICATE IN MUSIC: SONGWRITING**  
Major Code: 100501  

**Core Requirements** 11 Units  

**Specialization Requirements** 6 Units  

**Performance Ensembles** (chosen from Performance Ensembles list above) 2 Units  
Music 241  Music Copying and Notation I  1  
Music 271  Songwriter’s Workshop I  3  

**SKILLS CERTIFICATE IN MUSIC: VOCAL PERFORMANCE**  
Major Code: 100504  

**Core Requirements** 11 Units  

**Specialization Requirements** 6 Units  

**Performance Ensembles** (chosen from Performance Ensembles list above) 2 Units  
Music 181-2  Applied Music I and II  1  

**Applied Music Lab**  
(chosen from the following): 3 Units  
Music 180  Applied Music Lab  1.5  
Music 180-1  Applied Music Lab I  1.5  
Music 180-2  Applied Music Lab II  1.5  
Music 180-3  Applied Music Lab III  1.5  
Music 180-4  Applied Music Lab IV  1.5  

*For information on Student Learning Outcomes for this program, go to [http://www.lahc.edu/slo/program.html](http://www.lahc.edu/slo/program.html)*

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**ASSOCIATE OF SCIENCE DEGREE IN NURSING, PROFESSIONAL (R.N.)**

Major Code: 123010

**Plan B**

**Admission by Special Application**
Note: The nursing program is operated in a manner which is free of discrimination on the basis of race, color, national origin, ancestry, religion, creed, sex, pregnancy, marital status, medical-condition, sexual orientation, age, disability, or veteran status.

The Registered Nursing Program is a four-semester program of concentrated study (after the completion of program prerequisites) which prepares a diverse body of students to become safe, competent, and caring practitioners for entry-level positions in health care settings in the community, while cultivating professionalism, an appreciation for other peoples and cultures, and a desire for life-long learning.

Coursework in the biological, social, and behavioral sciences and humanities serves as the basic foundation in the nursing program. The program integrates theoretical instruction in the classroom with small group discussions and clinical experiences in hospitals, home health care agencies, and other settings in the community. Students also have the opportunity to participate in simulated clinical experiences and practice clinical skills in the state-of-the art Simulation Laboratory and Nursing Learning Laboratory.

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**Program Learning Outcomes**
Upon completion of the program, students will be able to, integrate the nursing process using the Roy Adaptation Model to promote adaptation of individuals, families, and the community, internalize professional behaviors of nursing practice, formulate clinical judgements in practice that promote the health of patients, and provide safe, patient care.

Upon the successful completion of this program, graduates receive an Associate of Science Degree, Professional Nursing and are qualified to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Successful completion of this examination leads to licensure as a Registered Nurse in the state of California.

The program is approved by the:
Board of Registered Nursing
P.O. Box 944210
Sacramento, California 94244
(916) 322-3350
www.rn.ca.gov

The program is accredited by the:
Accreditation Commission for Education in Nursing
3343 Peachtree Road NE, Suite 500
Atlanta, GA 30326
(404) 975-5000
http://www.acenursing.org/

General information, schedules of monthly nursing group counseling sessions, and application instructions for the nursing program may be found at http://www.lahc.edu/classes/nursing/index.html. Students are admitted into the program in the fall and spring semesters. Please see the nursing website for filing dates and instructions. Late applications will not be considered.

Routes of Admission into the Registered Nursing program:

Route 1: The student enters as a generic nursing student and completes all courses in the approved nursing curriculum. Completion of the program leads to the Associate of Science Degree in Nursing, Professional. Applicants must successfully complete established admission requirements:

Prerequisites

Evidence of graduation from an accredited U.S. high school or equivalent, as determined by the Graduate Equivalency Diploma (G.E.D.) test or the California High School Proficiency Examination, or graduation from an accredited U.S. college or university.

Foreign students must have either high school or college transcripts evaluated for equivalency to U.S. senior high school graduation or a U.S. college degree. All foreign coursework will receive the equivalent grade of “C” for each course given such credit.

Accepted as a fully matriculated student at LAHC.

High school chemistry (with lab) with a grade of “C” or better OR college chemistry (with laboratory) with a grade of “C” or better.

An overall GPA of 2.5 for Anatomy, Physiology, and Microbiology prerequisite courses with no grade less than “C” for each course and no more than one repetition of any substandard grade in any one of these courses.

A grade of “C” or better for English 101 (College Reading and Composition 1), minimum 3 semester units.

A grade of “C” or better for Psychology 1 (General Psychology) and Psychology 41 (Life- Span Psychology).

Meet the LAHC math requirement by successfully passing the LAHC Math Competency Examination or the completion of Math 123C or higher.

A cumulative GPA of 2.5 for all college coursework taken.

Completion of standardized admission
Official high school and college transcripts, official foreign transcript evaluations, and/or approved petitions must be submitted to the Health Sciences Division with the nursing program application. Applications without official transcripts will not be considered. Application deadlines, continuation requirements, and program prerequisites apply to all nursing program applicants.

**Route 2**: Students with verified previous health experience may be eligible for this route. The Policy for Transfer and Challenge may be obtained from the Health Sciences Division. All transfer courses must be verified with official transcripts prior to enrollment. The student must be in progress with classes in the first semester to establish eligibility to take challenge examinations. The maximum number of units for which a student may petition for credit by examination at the college is 15 units.

**Route 3** ("LVN 30 unit option"): Applicants are required to meet with the Chairperson of the Health Sciences Division if considering this route for individual counseling and consideration. This option is open to applicants who possess a current California Vocational Nursing (L.V.N.) license. Completion of this option allows students to become eligible for the examination for licensure as a Registered Nurse, however completion of this option does NOT meet the requirements for the Associate of Science Degree in Nursing, Professional. Students completing this option will not be a graduate of LAHC and cannot receive the program’s nursing pin. Additionally, several states do not recognize persons completing this option as being a Registered Nurse even though they may have successfully completed the NCLEX-RN examination. (Students pursuing this option should follow the Non-degree LVN to RN Pathway listed after the degree requirements.)

Applicants are expected to demonstrate mathematical and clinical nursing competence equivalent to a second year generic nursing student. Route 3 includes general education courses and advanced theory and clinical experiences. The student must perform satisfactorily in both theory and clinical portions of the courses to receive credit in any nursing courses and must receive a grade of “C” or better for all courses. Entry by this route is on a space-available basis.

**Prerequisites:**
- Current California L.V.N. license
- An overall GPA of 2.5 for Physiology 1 and Microbiology 20 with no less than a “C” for each course and no more than one repetition in any one of these courses.
- Completion of Nursing 329A and B, Nursing 311 and Nursing 321 with a grade of “C” or better
- Completion of standardized admission test at or above required cut score

**Route 4** (Career Ladder Option): This route leads to graduation from the generic program with an Associate of Science Degree, Professional Nursing. An L.V.N. with a current California license may enter the generic program at an advanced level after completing the required program prerequisites and the transition semester courses. The general education co-requisites must be completed before graduation. Applicants must achieve the required cut score on the standardized admission test. Entry by this route is on a space-available basis.

Without regard to semester admitted, students are required to complete all general education and graduation requirements under Graduation Plan B in order to be awarded the Associate of Science Degree, Professional Nursing.

**Prerequisites:**
- Current California L.V.N. license
- Evidence of graduation from an accredited U.S. high school or equivalent, as determined by the Graduate Equivalency Diploma (G.E.D.) test or the California High School
Foreign students must have either high school or college transcripts evaluated for equivalency to U.S. senior high school graduation or a U.S. college degree. All foreign coursework will receive the equivalent grade of “C” for each course given such credit.

Accepted as a fully matriculated student at LAHC.

High school chemistry (with lab) with a grade of “C” or better OR college chemistry (with laboratory) with a grade of “C” or better.

An overall GPA of 2.5 for Anatomy, Physiology, and Microbiology prerequisite courses with no grade less than “C” for each course and no more than one repetition of any substandard grade in any one of these courses.

A grade of “C” or better for English 101 (College Reading and Composition 1), minimum 3 semester units.

A grade of “C” or better for Psychology 1 (General Psychology) and Psychology 41 (Life Span Psychology).

Meet the LAHC math requirement by successfully passing the LAHC Math Competency Examination or the completion of Math 123C or higher.

A cumulative GPA of 2.5 for all college coursework taken.

Completion of Nursing 329A and B, Nursing 311 and Nursing 321 with a grade of “C” or better.

Completion of standardized admission test at or above required cut score

Transfer Students: Transfer applicants who are requesting admission from another nursing program are considered on a space-available basis. Transfer applicants must meet all program requirements. Information may be obtained from the Health Sciences Division office.

Application Process:
The procedure and process for application to the nursing program are available on the Health Sciences Division website: http://www.lahc.edu/classes/nursing/index.html. Prospective students are highly encouraged to attend the nursing program information sessions; dates can be found on the division website.

Admitted Students:
Students who accept an invitation for admission to the nursing program must complete the following requirements of the LACCD and clinical agencies prior to clinical placement. It is the student’s responsibility to bear the expenses of these requirements.

A criminal background check from the nursing program-designated agency must be completed. (Note: *Students who are denied placement in a clinical agency due to the inability to pass a required background check will not be permitted to continue in the nursing program, unless an appropriate clinical placement can be found at an alternative agency.)

**Conviction of a felony or misdemeanor may affect a student’s eligibility for licensure in the state of California. It is the student’s responsibility to contact the California Board of Registered Nursing as soon as possible for more information or to seek clarification. http://www.rn.ca.gov/enforcement/index.shtml

Physical Examination, specific laboratory blood studies, 2-step TB skin test or chest x-ray (if skin test is positive), and immunizations* as required by the LACCD and clinical agencies. The physical examination must be repeated every 3 years.
Titers to demonstrate immunity from rubella, rubeola, varicella, polio, hepatitis B, and mumps

Copies of all laboratory results and physical examination must be submitted to the instructor.

Standard American Red-Cross First Aid and Personal Safety certificate (note- not required for LVNs or EMTs)

Current American Heart Association Health-Care Provider level Basic Life Support certification (BCLS)

Current Student Nurse professional liability insurance. Information and applications for insurance are available in the Health Sciences Division office.

Other requirements as outlined by clinical agencies.

*Immunizations are necessary in clinical settings and training facilities to protect the health and welfare of students, consumers and the community. Students must obtain the immunizations listed in Section 4b prior to clinical placement. Copies of all immunization results must be submitted to the Nursing Department as specified. If additional tests or immunizations are required by a hospital or other affiliating facility, students will be notified.

Students must be free from communicable diseases, infection, psychological disorder, and other conditions which would present a threat to, or negatively impact the well-being of faculty, students, or consumers, or would prevent the successful performance of responsibilities and tasks required in the nursing program. If any such condition is developed by the student after admission to the program, it may be considered sufficient cause for suspension from the program.

Students are responsible for all costs incurred in meeting program requirements and there is a financial commitment to being a student in the nursing program. Expenses incurred include, but are not limited to, books and classroom supplies; uniforms; medical supplies; standardized nursing tests; and mandatory health requirements. For Financial Aid assistance, see http://www.lahc.edu/studentservices/fees.html.

Following admission into the program, students must maintain a “C” or better in all General Education requirements of the approved required nursing curriculum, including humanities, communications, kinesiology, and social, behavioral, and biological sciences. Students must also achieve a grade of “C” or better in the theory AND clinical component of each nursing course in order to progress through the program. The nursing program has a separate and distinct policy regarding academic and progress suspension, readmission, and disqualification, which differs from the LAHC policy. Disqualification from the nursing program will occur if a student withdraws or receives a substandard grade in any required nursing course in the first semester of coursework. After the first semester, a student may be suspended from the program for academic or progress reasons and is required to complete a plan for remediation before an application is considered for readmission into the program. For a detailed explanation of suspension and disqualification from the nursing program, see Administrative Regulation E-10 (http://www.laccd.edu/admin_regs/).

ASSOCIATE OF SCIENCE DEGREE IN NURSING, PROFESSIONAL (R.N.)

Major Code: 123010

Plan B

General Education (Plan B) 18 Units

Required Courses 71-72 Units*

*Many of these units may double-count toward meeting the GE requirements.

The sequence of courses in the curriculum is approved by the Board of Registered Nursing:

continues on next page
<table>
<thead>
<tr>
<th>Prerequisite course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy 1  Introduction to Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>Physiology 1  Introduction to Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>English 101  College Reading and Composition 1</td>
<td>3</td>
</tr>
<tr>
<td>Microbiology 20  General Microbiology or Microbiology 1  Introductory Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>Psychology 1  General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 41  Life Span Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**First Semester:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing 311  Communication in Nursing</td>
<td>1</td>
</tr>
<tr>
<td>Nursing 313  Introduction to Nursing Process Practice</td>
<td>4</td>
</tr>
<tr>
<td>Nursing 315  Fundamentals of Nursing</td>
<td>4</td>
</tr>
<tr>
<td>Nursing 321  Nursing Process</td>
<td>1</td>
</tr>
<tr>
<td>Sociology 1  Introduction to Sociology *</td>
<td>3</td>
</tr>
<tr>
<td>Anthropology 102  Human Ways of Life: Cultural Anthropology *</td>
<td>3</td>
</tr>
</tbody>
</table>

**Second Semester:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing 323  Care of the Adult Client I</td>
<td>5</td>
</tr>
<tr>
<td>Nursing 325  Care of the Adult Client II</td>
<td>5</td>
</tr>
<tr>
<td>Humanities requirement *</td>
<td>3</td>
</tr>
</tbody>
</table>

**Third Semester:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing 333  Health Care of Women</td>
<td>3</td>
</tr>
<tr>
<td>Nursing 335  Care of Children</td>
<td>3</td>
</tr>
<tr>
<td>Nursing 339  Care of Geriatric Client</td>
<td>2</td>
</tr>
<tr>
<td>Comm 121  Interpersonal Communication*</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Comm 101  Oral Communication *</td>
<td>3</td>
</tr>
<tr>
<td>Kinesiology requirement *</td>
<td>1</td>
</tr>
</tbody>
</table>

**Fourth Semester:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing 343  Psychosocial Adaptation of Client</td>
<td>3</td>
</tr>
<tr>
<td>Nursing 345  Care of the Adult Client II</td>
<td>3</td>
</tr>
<tr>
<td>Nursing 347  Leadership and Management in Nursing</td>
<td>3</td>
</tr>
</tbody>
</table>

*It is highly recommended that co-requisite courses be taken prior to entering the nursing program.

**It is strongly recommended that the student enroll in related Nursing 185 or 318 courses to enhance learning.

In order for a student to be approved as completing the requirements of the nursing program at LAHC, he or she must be currently enrolled in the nursing program and be in good academic standing. To graduate from the nursing program, a student must complete all requirements for graduation under “Plan B”, including the college competency requirements in mathematics and in reading and written expression. All students must file a Petition to Graduate and be approved for graduation by the Director of the Nursing Program and the Dean of Admissions. The school nursing pin is awarded only to those students who complete all requirements for graduation, and whose petitions for graduation have been approved.

In order to take the NCLEX-RN, the candidate must submit to a Live-Scan, complete required applications, and submit required transcripts, documentation, and payment to the California Board of Registered Nursing. Remediation may be required, prior to program approval of the application for the NCLEX-RN, if the candidate has not applied for and taken the NCLEX-RN within one year after completing the nursing program and all required coursework.

**ASSOCIATE OF SCIENCE DEGREE IN NURSING, PROFESSIONAL (L.V.N. to R.N.)**

Major Code: 123001

Plan B

General Education (Plan B) 18 Units

**Required Courses**

28-29 Units*

*Many of these units may double-count toward meeting the GE requirements.

**Required Prerequisite Courses:**
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy 1</td>
<td>Introduction to Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>Physiology 1</td>
<td>Introduction to Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>Microbiology 20</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>or Microbiology 1</td>
<td>Introduction to Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>Psychology 1</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 41</td>
<td>Life Span Psychology</td>
<td>3</td>
</tr>
<tr>
<td>English 101</td>
<td>College Reading and Comprehension</td>
<td>3</td>
</tr>
</tbody>
</table>

**Transition Semester:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing 311</td>
<td>Communication in Nursing</td>
<td>1</td>
</tr>
<tr>
<td>Nursing 321</td>
<td>Nursing Process</td>
<td>1</td>
</tr>
<tr>
<td>Nursing 329A</td>
<td>Role Transition LVN to RN</td>
<td>1</td>
</tr>
<tr>
<td>Nursing 329B</td>
<td>Role Transition LVN to RN</td>
<td>1</td>
</tr>
<tr>
<td>Sociology 1</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>or Anthropology 102</td>
<td>Introduction to Human Ways of Life</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives (the number of units sufficient to reach the degree minimum of 60 units)**

**Non-degree LVN to RN Pathway**

**Major Code: 123001**

Recommended Prerequisite course: Psychology 41 Life Span Psychology 3

**Required Courses**  
29 Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physiology 1</td>
<td>Introduction to Human Physiology</td>
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</tr>
<tr>
<td>Microbiology 20</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>Nursing 329A</td>
<td>Role Transition RN to LVN</td>
<td>1</td>
</tr>
<tr>
<td>Nursing 311</td>
<td>Communication in Nursing</td>
<td>1</td>
</tr>
<tr>
<td>Nursing 321</td>
<td>Nursing Process</td>
<td>1</td>
</tr>
<tr>
<td>Nursing 329B</td>
<td>Role Transition RN to LVN</td>
<td>1</td>
</tr>
</tbody>
</table>

**Required Nursing Courses (First semester):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing 333</td>
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</tr>
<tr>
<td>Nursing 335</td>
<td>Care of Children</td>
<td>3</td>
</tr>
<tr>
<td>Nursing 339</td>
<td>Care of Geriatric Client</td>
<td>2</td>
</tr>
</tbody>
</table>

**Required Nursing Courses**

(Second semester):

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing 343</td>
<td>Psychological Adaptation of the</td>
<td></td>
</tr>
</tbody>
</table>

**For information on Student Learning Outcomes for this program, go to [http://www.lahc.edu/slo/program.html](http://www.lahc.edu/slo/program.html)**
Program Learning Outcomes
Upon completion of the program, students will be able to:
• Accurately and safely use lab equipment.
• Use data obtained from lab equipment to construct graphs, and judge the accuracy and precision of the results.
• Apply basic physics laws such as Newton’s three laws of motion and the three laws of thermodynamics in problem solving.
• Use algebra and calculus to set up and then solve equations related to classical physics, electromagnetism and waves, demonstrating logical and critical thinking.

GENERAL EDUCATION
(CSU G.E. or IGETC) 37-39 units

Core Requirements 24 units
Physics 037 Physics for Engineers
and Scientists I 5 units
Physics 038 Physics for Engineers
and Scientists II 5 units
Physics 039 Physics for Engineers
and Scientists III 5 units
Math 265 Calculus with
Analytic Geometry I 5 units
Math 266 Calculus with
Analytic Geometry II 5 units
Math 267 Calculus with
Analytic Geometry III 5 units

Electives
Additional CSU transferable courses not taken above sufficient to meet the minimum degree requirement of 60 units.
TOTAL 60

ASSOCIATE IN SCIENCE DEGREE IN PHYSICS
Major Code: 190200
Plan A
The Associate in Science degree in Physics is designed for students who either intend to transfer to the UC or CSU as Physics majors, or who want to prepare for work as a Physical Sciences Laboratory Assistant. The AS degree consists of a core general education component, 30 units in the major, and additional elective units as needed to reach a minimum of 60 units overall.

All students are strongly advised to meet with a counselor for academic planning. Students who plan to transfer will need to consult a counselor and the Transfer Center for specific information regarding preparation for the intended major at the colleges/universities of choice, in order to facilitate a seamless transition.

Choose either option 1 or 2 or 3 for the General Education Core:

1. LAHC G.E. Plan A (30 units)
2. CSU G.E. Breadth -- including Health or Nutrition, P.E. and U.S. history or U.S. government (39-41 units)
3. IGETC -- including Health or Nutrition, P.E. and U.S. history or U.S. government (34-41 units)

Courses required for the major (30 units):
Chemistry 101, General Chemistry I 5 units
Chemistry 102, General Chemistry II 5 units
Mathematics 267, Calculus with analytic Geometry III 5 units
Physics 037, Physics for Engineers I 5 units
Physics 038, Physics for Engineers II 5 units
Physics 039, Physics for Engineers III 5 units

For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.html

ASSOCIATE IN ARTS IN PSYCHOLOGY FOR TRANSFER (AA-T) DEGREE
Major Code: 200100
Plan A
The Associate in Arts in Psychology for Transfer (AA-T) Degree is intended for students planning to transfer into a Bachelor of Arts program in Psychology or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program. A student may earn an Associate in Arts in
Psychology for Transfer (AA-T) Degree by completing 60 semester units that are eligible for transfer to the CSU, including 20 units in Psychology, Statistics or Mathematics, and/or Biology, 10-12 elective units, and either the Intersegment General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, all with a grade of C or better (“P” for “pass” grades are not acceptable) and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

Program Learning Outcomes
Upon completion of the program, students will be able to:
• Compare and contrast the major theoretical orientations in psychology, demonstrate knowledge of basic psychological terminology and be able to express this clearly when writing or speaking about psychology.
• Evaluate psychological data, draw reasonable conclusions, recognize the ethical implications of these conclusions, and apply these conclusions to personal, community, and scientific problems.
• Integrate content knowledge derived through the evaluation of relevant sources of traditional and electronic information and demonstrate an ethical use of these sources.
• Recognize the complexity of social, cultural, and international diversity and the principles of equity, justice, and inclusion in their lives.
• Apply psychological principles to the development of interpersonal, occupational, and social skills and life-long personal growth.

GENERAL EDUCATION (CSU G.E. or IGETC) 37-39 units

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 227 Statistics</td>
<td>4</td>
</tr>
<tr>
<td>Psych 001 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Psych 010 Principles of Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives 10

List A
Biol 003 Introduction to Biology 4

List B (choose one)
Psych 002 General Psychology II 3
Psych 041 Life Span Psychology 3

List C
Psych 014 Abnormal Psychology 3

Additional CSU transferable courses not taken above sufficient to meet the minimum degree requirement of 60 units.

TOTAL 60

ASSOCIATE IN ARTS IN PSYCHOLOGY (AA) DEGREE Major Code: 200100
The Associate of Arts degree in Psychology will give students a foundation for more advanced psychology courses and a foundation for optimal human interaction in the workplace and/or in their own personal relationships. Students who complete this degree will be prepared to transfer to the CSU system campuses, or other 4-year institutions, as a Psychology major. The AA degree consists of a core general education component, 18 units in the major, and additional elective units as needed to reach a minimum of 60 units overall.

All students are strongly advised to meet with a counselor for academic planning. Students who plan to transfer will need to consult a counselor and the Transfer Center for specific information regarding preparation for the intended major at the colleges/universities of choice, in order to facilitate a seamless transition.

Choose either option 1 or 2 or 3 for the General Education Core:

1. LAHC G.E. Plan A 30 Units
2. CSU G.E. Breadth -- including Health or Nutrition, P.E. and U.S. history or U.S. government 39-41 Units
3. IGETC – including Health or Nutrition,
P.E. and U.S. history or U.S. government
34-41 Units

Courses required for the major: 18 Units

Core Requirements: 12 Units
Psych 001 General Psychology I 3
Psych 002 General Psychology II 3
Psych 010 Principles of Psychology 3
Statistics 1 Elementary Statistics I for the Social Sciences 3

Psychology Electives (chosen from the following): 3
Psych 3 Personality and Social Development 3
Psych 14 Abnormal Psychology 3
Psych 41 Life-Span Psychology: From Infancy to Old Age 3

Electives in Anthropology or Sociology (chosen from the following): 3
Anthro 101 Human Biological Evolution 3
Anthro 102 Human Ways of Life: Cultural Anthropology 3
Socio 1, Introduction to Sociology 3
Socio 21, Human Sexuality 3

For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.htm.

REAL ESTATE DEGREE AND CERTIFICATE PROGRAM

The Real Estate program offers an Associate in Science degree, a Certificate of Achievement and Skills Certificates in Property Management and Real Estate.

ASSOCIATE IN SCIENCE DEGREE IN REAL ESTATE
Major Code: 051100
Plan B

Students wishing to transfer should pursue an A.A.

degree in Business Administration with the advice of a counselor. The A.S. in Real Estate is designed to meet the specific needs of persons currently employed in the Real Estate field and seeking additional information for the purpose of upgrading their positions, and for those individuals who want to enter this field. This program is of interest to those who either are now, or hope to become salespersons, brokers, appraisers, escrow officers, property managers, and community developers.

Program Learning Outcomes
Upon completion of the program, Students will demonstrate competency in the major areas of Real Estate including but not limited to Principles, Practice, Legal Aspects, Economics, Property Management, and Real Estate Appraisal. Apply knowledge of Real Estate Law, Principles, and Practice to properly complete Real Estate documents. Perform research and organize information to advance their careers as well as their own self-development. Students will demonstrate an understanding of how local, state, and federal laws and economic conditions affect the Real Estate environment.

Students must complete the following three components:

COMPONENT I: Real Estate Core
Acctg 001 Introductory Accounting I 5
Bus 005 Business Law I 3
Real Es 001 Real Estate Principles 3
Real Es 003 Real Estate Practices 3
Real Es 005 Legal Aspects of Real Estate I 3
Real Es 007 Real Estate Finance 3
Real Es 009 Real Estate Appraisal I 3
Total 23

COMPONENT II: Real Estate Electives
21

COMPONENT III: General Education (Graduation Plan B) 18

Minimum Total Units 62

REAL ESTATE DEGREE
All students must complete the following:

COMPONENT I: Real Estate Degree Core

COMPONENT II: Real Estate Electives
21

COMPONENT III: General Education (Graduation Plan B) 18

Minimum Total Units 62

PLAN B

Students wishing to transfer should pursue an A.A.
COMPONENT II: Real Estate Degree

Electives

Choose a minimum of 21 units from the list below.

<table>
<thead>
<tr>
<th>Units</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Bus 001</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>3</td>
<td>Bus 006</td>
<td>Business Law II</td>
</tr>
<tr>
<td>3</td>
<td>Bus 031</td>
<td>Business English</td>
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<tr>
<td>3</td>
<td>Bus 032</td>
<td>Business Communications</td>
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<td>3</td>
<td>Bus 038</td>
<td>Business Computations</td>
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<tr>
<td>3</td>
<td>Bus 060</td>
<td>Keyboarding Fundamentals I</td>
</tr>
<tr>
<td>3</td>
<td>Co Info 001</td>
<td>Principles of Business Computer Systems</td>
</tr>
<tr>
<td>3</td>
<td>Market 1</td>
<td>Principles of Selling</td>
</tr>
<tr>
<td>3</td>
<td>Market 21</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>3</td>
<td>Real Es 14</td>
<td>Property Management</td>
</tr>
<tr>
<td>3</td>
<td>Real Es 16</td>
<td>Income Tax Aspects of Real Estate</td>
</tr>
<tr>
<td>3</td>
<td>Real Es 18</td>
<td>Real Estate Investments</td>
</tr>
</tbody>
</table>

Certificate of Achievement in Real Estate

The Certificate of Achievement in Real Estate granted in conjunction with the California Division of Real Estate and the California Real Estate Association, may be earned by completing the following courses. Units earned in the completion of this certificate, may be applied toward the A.S. degree in Real Estate or the A.A. degree in Business Administration.

*Note: A California Real Estate Certificate requires a grade of “C” or better in all real estate courses. Please check with a counselor to ensure that Real Estate Certificate courses are currently being offered.*

All students must complete the following:

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bus 005</td>
<td>3</td>
</tr>
<tr>
<td>Real Es 001</td>
<td>3</td>
</tr>
<tr>
<td>Real Es 003</td>
<td>3</td>
</tr>
<tr>
<td>Real Es 005</td>
<td>3</td>
</tr>
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<td>3</td>
</tr>
<tr>
<td>Real Es 009</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (chosen from the following): 9 Units

Choose from the following:

<table>
<thead>
<tr>
<th>Units</th>
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<tbody>
<tr>
<td>3</td>
<td>Bus 001</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>3</td>
<td>Bus 006</td>
<td>Business Law II</td>
</tr>
<tr>
<td>3</td>
<td>Bus 031</td>
<td>Business English</td>
</tr>
<tr>
<td>3</td>
<td>Bus 032</td>
<td>Business Communications</td>
</tr>
<tr>
<td>3</td>
<td>Bus 038</td>
<td>Business Computations</td>
</tr>
<tr>
<td>3</td>
<td>Bus 060</td>
<td>Keyboarding Fundamentals I</td>
</tr>
<tr>
<td>3</td>
<td>Co Info 001</td>
<td>Principles of Business Computer Systems</td>
</tr>
<tr>
<td>1</td>
<td>Co Info 23</td>
<td>Programming Lab</td>
</tr>
<tr>
<td>3</td>
<td>Market 1</td>
<td>Principles of Selling</td>
</tr>
<tr>
<td>3</td>
<td>Market 21</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>3</td>
<td>Real Es 10</td>
<td>Real Estate Appraisal II</td>
</tr>
<tr>
<td>3</td>
<td>Real Es 14</td>
<td>Property Management</td>
</tr>
<tr>
<td>3</td>
<td>Real Es 16</td>
<td>Income Tax Aspects of Real Estate</td>
</tr>
<tr>
<td>3</td>
<td>Real Es 18</td>
<td>Real Estate Investments</td>
</tr>
</tbody>
</table>

Total: 32 Units

Skills Certificate in Property Management

Required Courses

<table>
<thead>
<tr>
<th>Units</th>
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<tbody>
<tr>
<td>5</td>
<td>Acctg 001</td>
<td>Introductory Accounting 1</td>
</tr>
<tr>
<td>3</td>
<td>Real Es 001</td>
<td>Real Estate Principles</td>
</tr>
<tr>
<td>3</td>
<td>Real Es 005</td>
<td>Legal Aspects of Real Estate I</td>
</tr>
<tr>
<td>3</td>
<td>Real Es 014</td>
<td>Property Management</td>
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<tr>
<td>3</td>
<td>Bus 005</td>
<td>Business Law 1</td>
</tr>
<tr>
<td>3</td>
<td>Real Es 018</td>
<td>Real Estate Investments</td>
</tr>
</tbody>
</table>

Total: 17 Units

Skills Certificate in Real Estate

Major Code: 051102

Required Courses

<table>
<thead>
<tr>
<th>Units</th>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>3</td>
<td>Real Es 001</td>
<td>Real Estate Principles</td>
</tr>
<tr>
<td>3</td>
<td>Real Es 003</td>
<td>Real Estate Practices</td>
</tr>
<tr>
<td>3</td>
<td>Real Es 005</td>
<td>Legal Aspects of Real Estate I</td>
</tr>
<tr>
<td>3</td>
<td>Real Es 007</td>
<td>Real Estate Finance</td>
</tr>
<tr>
<td>3</td>
<td>Real Es 009</td>
<td>Real Estate Appraisal I</td>
</tr>
</tbody>
</table>

Total: 15 Units

Non-Degree/Certificate Pathways*

*As the California Department of Real Estate
determines the exact requirements for obtaining Real Estate licenses, the student should contact the Department of Real Estate directly. See www.dre.ca.gov.

**Real Estate Salesperson**

Successful completion of three college level courses is required to qualify to take the real estate salesperson examination given by the California Department of Real Estate:

- Real Es 001 Real Estate Principles 3
- Real Es 003 Real Estate Practices 3

And one course from the following list:

- Acctg 001 Introductory Accounting I 5
- Bus 005 Business Law I 3
- Real Es 005 Legal Aspects of Real Estate I 3
- Real Es 007 Real Estate Finance 3
- Real Es 009 Real Estate Appraisal I 3
- Real Es 014 Property Management 3

**Real Estate Broker**

Successful completion of the following eight statutorily required college level courses:

- Acctg 001 Introductory Accounting I 3
- Bus 005 Business Law I 3
- Real Es 003 Real Estate Practices 3
- Real Es 005 Legal Aspects of Real Estate I 3
- Real Es 007 Real Estate Finance 3
- Real Es 009 Real Estate Appraisal I 3
- Real Es 014 Property Management 3

Courses listed above do not meet the 45 hour continuing education requirement for Real Estate License renewal every four years. Consult local Real Estate Boards for information about continuing education course offerings. Not all courses are offered each semester.

For information on Student Learning Outcomes for this program, go to http://www.lahc.edu/slo/program.html
GENERAL EDUCATION REQUIREMENTS
FOR TRANSFER

The student preparing for a major field should consult a counselor regarding the specific lower division courses which should be taken at Los Angeles Harbor College in order to transfer to the upper division school of the student's choice with a minimum loss of credit.

To assist the student in selecting courses, an up-to-date listing of Harbor College courses applicable to many major fields is available at the Information Desk in the lobby of the Student Services Center. For comprehensive information relative to the requirements of a school the student may wish to attend, students are urged to refer to the official catalog of that college or university. The College Library, the Counseling Office, and the Transfer Center have many catalogs on file for reference. Students should obtain a catalog for their personal use directly from the Registrar of the college which they plan to attend.

A student who transfers from Harbor College to another institution of higher education should request that a transcript of work taken at Harbor College be forwarded to the other school. A university or college cannot in any way disturb or alter the records, including transcripts, of another institution.

Thus, grades earned by a student at Harbor College are not changed, reduced, or altered by the college to which the student transfers. A student who establishes an outstanding scholastic record at Harbor College, and who continues to maintain an outstanding record after transferring has an opportunity equal to that of the native student to earn high scholastic honors, such as Phi Beta Kappa.

Every effort has been made to include the most current and accurate information relative to transfer to the schools noted in this section. In no way, however, does this part of the catalog release the student from the need to study the catalog of the college or university of the student's choice.

Each college or university has its own requirements for admission and junior standing. To prepare for continued education, a student must decide which school he/she is going to attend and learn the requirements of that particular school. Furthermore, the information in this catalog does not bind any other college or university. It is the student, alone, who is in the position to make final choices and who must assume responsibility for the decisions made.

The following pages list requirements for transfer to the California State University (CSU) system, the University of California (UC) system, and private and independent colleges and universities that are in existence at the time of printing this catalog.

At the end of this section, transfer sheets have been included which outline the CSU general education certification requirements and the Intersegmental General Education Transfer Curriculum (IGETC), which is applicable to both the UC and CSU systems.

TRANSFER TO THE CALIFORNIA STATE UNIVERSITY (CSU) SYSTEM

Admission with Advanced Standing
(Transfer Students)

A student may be admitted to the California State University with advanced undergraduate standing if either one of the following conditions is met:

1. The student was eligible for admission to the California State University upon graduation from high school and has met the following requirements:
   a) Has attained a grade point average of at least 2.0 (a grade of "C" on a four-point scale) in all college courses undertaken,
   b) Has submitted the results of the ACT or SAT test, if he or she has less than 60 transferable college units, and
   c) Was in good academic standing at the last accredited degree-granting college or university attended.

2. The student was not eligible for admission to the California State University upon graduation from high school but has earned 60 semester units of transfer college courses with a grade point average of at least 2.0 (grade of "C" on a four-point scale) in the total coursework attempted, and completed general education Area A and B.4 with "C" grades or higher.

Applicants who desire to attend the California State University, but who do not meet the conditions listed above, should consult with school officials or refer to the catalog of the college or university regarding the possibility of gaining admission. Most students find it desirable to complete two years of work in the community college and obtain certification before transferring to a state college or university. See a counselor for more information.

Admission with Junior Standing

In addition to meeting the general admission requirements of the state college or university, the student who wishes to be accepted with junior standing should complete 60 transferable units, the general education requirements and the specific lower division course requirements included in the major the student plans to follow.

The student who is interested in obtaining an Associate in Arts degree from Los Angeles Harbor College should also include the requirements for the Associate in Arts degree which...
are listed in this catalog. The requirements for upper division standing at the California State University are as follows: (course and grade requirements)

**Course and grade requirements:**

The student must complete at least 60 units of transfer courses with a grade point average of at least 2.0. A maximum of 70 units may be transferred. No upper division credit is granted for courses taken at a community college.

The California Administrative Code, Title 5, Section 40405, authorizes community colleges to certify that the student has completed the required minimum of 39 semester units of general education when transferring to the California State University.

The student who completes the pattern of Los Angeles Harbor College courses as outlined under “Minimum Requirements for Certification at the California State University” will have to meet a minimum of 39 units of general education requirements. The CSU may require the fully certified transfer student to be responsible for 9 semester units, or 12 quarter units, of upper division courses.

Students are to make an appointment with a counselor early in their academic planning as well as prior to registering for their last 12 units at Los Angeles Harbor College as preliminary checks for Graduation and General Education requirements.

The pattern of general education for the bachelor’s degree is common to all major fields of study.

California State University, Dominguez Hills and Long Beach: In addition to the major, all students must complete a minimum of 48 semester units (of which the equivalent of nine semester units must be taken after transferring) of general education, and the state requirements in U.S. History and American Institutions.

California State Polytechnic University: Many students enter Harbor College with occupational objectives plan to complete their formal education at the end of two years.

Some students, however, change their objectives before the completion of the two-year period and decide that they would like to continue their education after graduation from a community college. Most four-year institutions grant no transfer credit or only limited transfer credit for specialized work taken in occupational programs. The California State Polytechnic University, however, with campuses at San Luis Obispo and Pomona, offers upper division programs which permit community college graduates of occupational programs to transfer numerous courses for application toward the bachelor’s degree in a variety of curricula.

Representatives of the Los Angeles Community College District and the California State Polytechnic University have agreed that all courses designated as transfer courses, including all general education or liberal arts courses, will be accepted and applied to similar course requirements in the student’s chosen major curriculum at the California State Polytechnic University. If similar courses are not required, the units involved will be accepted as elective units.

In addition to the credit which may be granted for courses commonly referred to as transfer courses, including general education and liberal arts courses, students who transfer may receive credit for other courses completed, many of them occupational in nature, which are equivalent to courses offered at the California State Polytechnic University.

**TRANSFER TO THE UNIVERSITY OF CALIFORNIA (UC) SYSTEM**

**University of California Requirements for Admission to Advanced Standing**

It is suggested that a student planning for transfer to the University of California discuss the transfer plans with a counselor, semester by semester, as major changes frequently occur in requirements subsequent to the printing of this Catalog.

**Note:** Students planning to transfer to the University of California are required to complete at least 60 semester units of transferable work with a minimum 2.4 GPA.

**General Education for Transfer to a UC Campus**

Students who plan to transfer to a University of California campus may satisfy general education requirements by following either the Intersegmental General Education Transfer Curriculum (IGETC) or the specific breadth requirements of the UC campus of choice. See a counselor to determine which plan would best fit your needs.

**Credit Limits: University of California System**

Architecture 9,10,17,33,34: Maximum credit combined 18 semester units.

Art 400A, 400B and 412 combined: Maximum credit 3 units.

Biology 1 and 3: Maximum credit one course. No credit for 1 or 3 or 5 if taken after Biology 6.

Business 5 and 6: Maximum credit one course.

Chemistry 65: No credit if taken after Chemistry 101.

Chemistry 70, 211 and 212: Maximum credit two courses.

CIS 1 and CSIT 58. Maximum credit one course.

CSIT 306 and Math 170: Maximum credit one course.

CSIT 313 and Math 150: Maximum credit one course.

CSIT 340 and Math 175: Maximum credit one course.

English 86: Maximum credit for ESL courses 8 units.

English 137 and Lib Sci 101: Maximum credit one course.

English 240 and 241: Maximum credit one course.

English 290, 291, 292, and 293: Minimum credit 3 units.

French 8: Maximum credit two courses (4 units).

German 8: Maximum credit two courses (4 units).
Health 2, 10, and 11: Maximum credit one course.
History 12, 13, 42 and 44: Maximum credit one course.
History 11, 41, and 43: Maximum credit one course.
History 14: No credit if taken after 11, 41 or 43.
Humanities 6: If repeated, maximum credit one course.
Japanese 21 and 22: Maximum credit 5 units. Both must be
taken to receive transfer credit.
Lib Sci 101 and English 137: Maximum credit one course.
Math 170 and CSIT 306: Maximum credit one course.
Math 150 and CSIT 313: Maximum credit one course.
Math 175 and CSIT 340: Maximum credit one course.
Math 215, 216 and 230: Maximum credit one course.
Math 225, 227, and Statistics 1: Maximum credit one course.
Math 235 and 245: Maximum credit one course.
Math 236 and 265: Maximum credit one course.
Microbiology 1 and 20: Maximum credit one course.
Personal Development 17 and 20: Maximum credit one course.
P.E. 97 through 328, 469, 502 through 516, 552, and 690:
Maximum credit 4 units.
P.E. 710, 711, and 713: Maximum credit 8 units.
Physical Science 1: No credit if taken after a college course in
astronomy, chemistry, geology, or physics.
Physics 6-7 and 37-38-39: Maximum credit one series.
Physics 11: No credit if taken after 6 or 37.
Spanish 8: Maximum credit two courses (4 units). Both must
be taken to receive transfer credit.
Spanish 21 and 22: Maximum credit 5 units.
Statistics 1 and Math 225 and 227: Maximum credit one course.

**TRANSFER TO INDEPENDENT CALIFORNIA COLLEGES AND UNIVERSITIES**

California’s accredited independent colleges and universities
provide numerous options at undergraduate, graduate, and
professional levels for students planning to continue their
education beyond community college. Students who transfer
to independent colleges or universities find they are given
academic credit for most, if not all, of their community college
studies. Virtually all institutions give full credit for general
education courses and usually for other courses designated
for transfer by the community college.

Some colleges and universities stipulate a certain number
of completed units before considering students eligible for
transfer. Others do not and will accept students at any time.
The requirements are outlined in the college catalog, available
upon request from the college’s Office of Admissions.

Independent institutions frequently are generous in awarding
credit. They invite contact with their Office of Admissions in
order to discuss transfer opportunities on a personal basis.
Financial aid may be a primary factor in making it possible
to attend an independent college. Independent colleges and
universities encourage students to inquire about financial
assistance from their Office of Financial Aid.

The independent colleges include:
California Baptist College, California Institute of Tech., Chapman
College, Claremont McKenna College, Harvey Mudd College,
Loyola Marymount University, Marymount College, Mount St.
Mary’s College, Occidental College, Pacific Oaks College,
Pepperdine University, Pomona College, Pitzer College,
Scripps College, University of Redlands, University of Southern
California, Westmont College, Whittier College, Woodbury
University

Please see the following pages for the CSU General Education
Certification and Intersegmental General Education Curriculum
(IGETC) transfer sheets.

Students who would like breadth requirements of a specific
UC campus should see a counselor. Copies are also
available at the Information Desk in the Student Services and
Administration Building.
This pattern of CSU general education requirements applies to students beginning Fall (or Summer) 1981 or later. Thirty nine units (39) of general education coursework excluding the Statutory of upper division coursework for G.E. after transfer. Beginning Spring 1987, courses to be used for Area A and B4 (Mathematics) must be completed with “C” grades or better. It is strongly recommended that students request certification through the Office of Admissions & Records before sending final transcripts to the University. Students not complying with the above minimum certification requirements must follow the catalog of the intended university of transfer in place of these requirements; consult with a counselor.

### General Education Requirements

**AREA A – ENGLISH LANGUAGE COMMUNICATION AND CRITICAL THINKING (9 Units)**

<table>
<thead>
<tr>
<th>Select one course from each A1, A2 and A3</th>
<th>C</th>
<th>I</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1 Oral Communication</td>
<td></td>
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</tr>
<tr>
<td>Communication Studies** (Speech) 101, 102, 121</td>
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</tr>
<tr>
<td>A2 Written Communication English 101</td>
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</tr>
<tr>
<td>A3 Critical Thinking</td>
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<tr>
<td>Computer Sciences 58</td>
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<tr>
<td>Journalism 105**(S)</td>
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<tr>
<td>Philosophy 6</td>
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<tr>
<td>Communication Studies** (Speech) 104</td>
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<tr>
<td>English 102</td>
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<td></td>
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</tr>
</tbody>
</table>

**AREA B – SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING (9 Units)**

Courses selected for this Area must include at least one course listed in each of the categories below:

**B1 Physical Science (at least one course):**
- Astron 1
- Chem 65, 66, 101, 102, 211, 212
- Env Sci 1
- Geog 1
- Geology 1
- Oceano 1
- Phys Sc 1
- Physics 6, 7, 11, 37, 38, 39

**B2 Life Science (at least 1 course):**
- Anatomy 1
- Anthro 101
- Biology 3, 5, 101
- Env Sci 2
- Oceano 12
- Physiol 1
- Psych 1

**B3 Laboratory Activity**
- Anatomy 1
- Anthro 111
- Astron 5
- Biology 3, 5, 101
- Chem 65, 66, 101, 102, 211, 212
- Geog 15
- Geology 6
- Oceano 10
- Phys Sc 14
- Physics 6, 7, 11, 37, 38, 39
- Physiol 1

**B4 Mathematics/Quantitative Reasoning (at least 1 course):**
- Stat 1

**AREA C – ARTS AND HUMANITIES (9 Units)**

Select at least one course from Arts (C1) and one course from Humanities (C2). The third course may be from either category.

<table>
<thead>
<tr>
<th>C1 Arts (Arts, Cinema, Dance, Music, Theater)</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Art 100, 101, 102, 103, 111, 201</td>
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<tr>
<td>Arc 122**(S), 133**(S)</td>
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<tr>
<td>Music 101, 111, 116, 141</td>
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<td>Photo 121</td>
<td></td>
<td></td>
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<tr>
<td>Theater 100</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>C2 Humanities (Lit, Philos, Lang, other than Eng.)</th>
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<tbody>
<tr>
<td>English 203, 204, 205, 206, 207, 208, 209, 211, 214, 215, 218, 219, 234, 239, 240</td>
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<tr>
<td>History 74**, 81**, 82**, 86**, 87**</td>
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<td>Human 1, 6, 17, 60</td>
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<td>Japan 21, 22</td>
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<td>Philos 1, 20, 23, 33</td>
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<td>French 1, 2, 10</td>
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<tr>
<td>Spanish 1, 2, 4, 12, 21, 22, 35, 36</td>
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</tbody>
</table>

**AREA D – SOCIAL SCIENCES (9 Units)**

Select courses from at least two disciplines (Courses may be counted in only one D section).

<table>
<thead>
<tr>
<th>D1 Anthropology and Archeology</th>
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<tbody>
<tr>
<td>Anthropology 102, 103, 121</td>
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</tr>
</tbody>
</table>

**D2 Economics**
- Econ 1, 2
- Business 1

**D3 Geography**
- Geog 2, 7

**D6 History**
- History 1, 2, 5, 6, 11, 12, 19, 20, 21, 41, 42, 43, 44, 52, 58, 74**, 81**, 82**, 86**, 87**

**D7 Interdisciplinary Social and Behavioral Science**
- Engineering Gen Tech 28 same as Drafting 6
- Comm 122**, 190

**D8 Political Science Government, & Legal Institutions**
- Pol Sci 1, 2, 4, 7, 30, History 11, 41, 43

**D9 Psychology**
- Psych 1, 14, 41
- Ch Dev 1*

**D10 Sociology and Criminology**
- Soc 1, 2, 12

**AREA E – LIFELONG LEARNING AND SELF DEVELOPMENT (3 Units)**

Select from E1 or the E1 and E2 combination.

**E1 Lifelong Learning and Self-Development**
- Ch Dev 1*, 11
- Family & CS 21
- Health 2, 6, 11
- Counsel 20
- Psych 3
- Soc 21

*Please see note below

**E2 Activity (Limit 1 Unit) Kinesiology** (P.E.)
- All Kinesiology courses & Dance TQ 141 ** (PE 431) meet the E2 activity requirement except for 32, 100 to 105, 700 and 900 series

**STATUTORY REQUIREMENT (6 UNITS)**

These courses may be completed prior to transfer, they are not required for certification, and may be “double counted” in Area D above.

Select one course from “A” and one course from “B” below:

<table>
<thead>
<tr>
<th>A Pol Sci 1, 20</th>
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</thead>
<tbody>
<tr>
<td>B History 5, 6, 11, 12, 41, 42, 43, 44, 52, 58, 81, 82</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Students wanting an AA Degree must take Health or Family & Consumer Studies 21 and one unit of Kinesiology** (P.E.)
Los Angeles Harbor College

Associate of Arts Degree in Liberal Arts and Sciences With Emphasis

The Liberal Arts and Sciences Associate of Arts degree is designed for students who desire a broad base of knowledge in the liberal arts and sciences. The Liberal Arts and Sciences degree consists of a core general education component, a minimum of 18 units in an area of emphasis, 2.0+ GPA, and a minimum of 60 units overall.

All students are strongly advised to meet with a counselor for academic planning. Students who plan to transfer will need to consult a counselor and the Transfer Center for specific information regarding preparation for the intended major at the colleges/universities of choice, in order to facilitate a seamless transition. See www.assist.org.

• Choose either option 1 or 2 or 3 or 4 for the General Education Core:

1. LAHC G.E. Plan A (30 units) A recommended option for students who do not plan to transfer.
2. LAHC G.E. Plan B (18 units) A recommended option for students who do not plan to transfer.
3. CSU G.E. Breadth – including Health or Nutrition, **(P.E.) and U.S. history or U.S. government (39-41 units)
4. IGETC – Including Health or Nutrition, **(P.E.) and U.S. history or U.S. government (34-41 units) UC or CSU

• Choose a minimum of 18 units in one Area of Emphasis listed below (C grades or better required):

**Arts and Humanities**
- Architecture **132 (43), 133 (44)
- Art 100, 101, 102, 103, 201, 300, 501, 502, 639, 713
- Communication Studies 101, 104, 121, 122, 151, 190
- English 102, 127, 203, 204, 205, 206, 207, 208, 209, 211, 214, 215, 218, 219, 234, 239, 240
- French 1, 2
- History 74*, 81*, 82*, 86*, 87*
- Humanities 1, 6, 17, 60
- Japanese 21, 22
- Music 101, 111, 116, 141
- Philosophy 1, 20, 33
- Photography 121
- Spanish 1, 2, 3, 4, 12, 21, 22, 35, 36
- Theater Arts 100, 200, 270, 300

**Health and Fitness**
- Family and Consumer Studies 21; Health 2, 6, 11, 12
- Kinesiology 32 **(P.E. 800*) and Kinesiology Major 100 **(PE 712), 103 **(PE 713), 104 **(PE 710), 105 **(PE 711), 136 **(PE 718)
- Kinesiology Activity Dance 141 **(PE 431) (limit 4 units)
- Microbiology 20*
- Sociology 1*, 2*, 12*, 21*
- Anatomy 1*
- Anthropology 102*
- Physiology 1*
- Biology 3*, 5*
- Nursing 302, 364
- Psychology 1*, 2*, 3*, 14*, 41*

**Mathematics and Natural Sciences**
- Anatomy 1*
- Anthropology 101*, 111
- Astronomy 1, 5
- Biology 3*, 5*, 101, 102, 103
- Chemistry 65, 66, 101, 102, 211, 212
- Environmental Science 1, 2
- Geography 1, 15
- Geology 1, 6
- Microbiology 20*
- Oceanography 1, 10, 12
- Physical Science 1
- Physics 6, 7, 11, 37, 38, 39
- Physiology 1*
- Psychology 2*

**Social and Behavioral Sciences**
- Admin. of Justice 1
- Anthropology 101*, 102*, 103, 104, 121
- Business 1
- Child Development 1
- Economics 1, 2,
- Eng Gen Tech 28
- Geography 2, 7
- Fire Tech 201
- History 1, 2, 6, 11, 12, 19, 20, 21, 41, 42, 43, 44, 52, 58, 74*, 81*, 82*, 86*, 87*
- Political Science 1, 2, 4, 7, 30
- Psychology 1*, 2*, 3*, 14*, 41*
- Sociology 1*, 2*, 4, 12*, 21*
- Statistics 1

* May be counted for one emphasis only. NOTE: All courses double count for GE if listed on the chosen GE pattern. Grades of "C" or better required.
** Indicates number and/or prefix in parenthesis changed. Please refer to the College Catalog and/or consult with a counselor.

Requirements are subject to change. Please check periodically for updates and consult a counselor if you have any questions about the preparation for this major. THIS PUBLICATION IS AVAILABLE IN ALTERNATE FORMAT UPON REQUEST 8/14
General Education Requirements: Minimum of 30 semester units.

Major Requirements: Minimum of 18 units in a single or related field. Effective for all students entering Fall 2009 or later, each course counted towards the major or area of emphasis requirement must be completed with a "C" (2.0 or equivalent) or better. Any math course in D2, or Stat 1, completed with "C" grade or better meets required math competency for graduation, as does placement above intermediate algebra or passing the math competency exam. English 101 with "C" grade or better meets English competency for graduation.

Please see a counselor and check the college catalog for specific major requirements.

***THIS FORM SUBJECT TO CHANGE EACH YEAR***

<table>
<thead>
<tr>
<th>A. NATURAL SCIENCES</th>
<th>3 Semester Units minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy 1, Anthro 101, Astron 1, Biology 3, 5, 101, Chem 40, 65, 66, 101, Env Sci 1, 2, Geog 1, Geology 1, Micro 20, Oceano 1, 12, Phys Sci 1, Physics 6, 11, 37, Physiol 1, Psych 2, Other College _______________</td>
<td>Advanced Placement _______________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B. SOCIAL AND BEHAVIORAL SCIENCES</th>
<th>9 Semester Units minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1. AMERICAN INSTITUTIONS (3 Semester Units minimum)</td>
<td></td>
</tr>
<tr>
<td>History 6, 11, 12, 41, 42, 43, 44, 52, 58, 81, 82, Pol Sci 1, 30</td>
<td></td>
</tr>
<tr>
<td>B2. SOCIAL AND BEHAVIORAL SCIENCES (3 Semester Units minimum)</td>
<td></td>
</tr>
<tr>
<td>Anthro 102, 103, 104, 121, Bus 1, Ch Dev 1, Drafting 6, Econ 1, 2, Eng Gen Tech 28, Geog 2, 7, History 1, 2, 19, 20, 21, 58, <em>74, 81</em>, 82*, 86*, 87*, Pol Sci 2, 4, 7, Psych 1, 3, 14, 41, Soc 1, 2, 4, 12, 21</td>
<td></td>
</tr>
<tr>
<td>B3. Minimum of 3 additional semester units from B1 or B2 above.</td>
<td></td>
</tr>
<tr>
<td>Other College _______________</td>
<td>Advanced Placement _______________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C. HUMANITIES</th>
<th>3 Semester Units minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arc 132, 133, Art 100, 101, 102, 103, 111, 201, Dance Studies 805, English 203, 204, 205, 206, 207, 208, 209, 211, 212, 214, 215, 218, 219, 234, 239, 240, French 1, 2, History <em>74, 81</em>, 82*, 86*, 87*, Human 1, 6, 17, 60, Japan 21, 22, Music 101, 111, 116, 141, Philos 1, 20, 33, Photo 121, Spanish 1, 2, 3, 4, 8, 12, 21, 22, 35, 36, Theater 100, 200</td>
<td></td>
</tr>
<tr>
<td>Other College _______________</td>
<td>Advanced Placement _______________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D. LANGUAGE AND RATIONALITY</th>
<th>12 Semester Units minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1. ENGLISH COMPOSITION (3 Semester Units minimum)</td>
<td></td>
</tr>
<tr>
<td>English 101, 28, 31, Journ 101 (English 101 meets the AA/AS English Composition Competency for graduation)</td>
<td></td>
</tr>
<tr>
<td>D2. COMMUNICATION AND ANALYTICAL THINKING (6 Semester Units minimum)</td>
<td></td>
</tr>
<tr>
<td>D3. Minimum of 3 additional semester units from D1 or D2 above.</td>
<td></td>
</tr>
<tr>
<td>Other College _______________</td>
<td>Advanced Placement _______________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E. HEALTH AND PHYSICAL EDUCATION</th>
<th>3 Semester Units minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1. HEALTH EDUCATION (2 Semester Units minimum)</td>
<td></td>
</tr>
<tr>
<td>Health 2, 6, 11, 12, Fam &amp; CS 21, Child Dev. 11</td>
<td></td>
</tr>
<tr>
<td>E2. ONE KINESIOLOGY ACTIVITY, (1 Semester Unit minimum)</td>
<td>Military credit</td>
</tr>
<tr>
<td>Health 2, 6, Dance TQ 141, Kinesiology 10 through 350 (if applicable)</td>
<td></td>
</tr>
</tbody>
</table>

**Major / Area of Emphasis:**

| Major Courses (min. 18 units) | |
|-------------------------------||
| Electives: | |

Competency Met: English: Course ______ Math: Course_______ Test _______ TOTAL

* May be counted for one area only, not both. C = Completed IP = In Progress N = Need

Updated: August 2015

Counselor’s Signature __________________________ Date __________________________

120 * General Education Requirements Los Angeles Harbor College
Los Angeles Harbor College
ASSOCIATE DEGREE – GENERAL EDUCATION REQUIREMENTS
PLAN B 2015-2016

General Education Requirements: Minimum of 18 semester units.
Major Requirements: Minimum of 36 units in a single or related field. Effective for all students entering Fall 2009 or later, each course counted towards the major or area of emphasis requirement must be completed with a “C” (2.0 or equivalent) or better. Any math course in D2, or Stat 1, completed with “C” grade or better meets required math competency for graduation, as does placement above intermediate algebra or passing the math competency exam. English 101 with “C” grade or better meets English competency for graduation.

Please see a counselor and check the college catalog for specific major requirements.

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### A. NATURAL SCIENCES
3 Semester Units minimum
- Anatomy 1, Anthro 101, Astron 1, Biology 3, 5, 101, Chem 40, 65, 66, 101, Env Sci 1, 2, Geog 1, Geology 1, Micro 20,
- Oceano 1, 12, Phys Sci 1, Physics 6, 11, 37, Physiol 1, Psych 2
- Other College ____________________________
  Advanced Placement ________________________

### B. SOCIAL AND BEHAVIORAL SCIENCES
3 Semester Units minimum
- History 6, 11, 12, 41, 42, 43, 44, 58, 81*, 82*, Pol Sci 1, 30
- Other College ____________________________
  Advanced Placement ________________________

### C. HUMANITIES
3 Semester Units minimum
- Arc 132, 133, Art 100, 101, 102, 103, 111, 201, Dance Studies 805, English 203, 204, 205, 206, 207, 208, 209, 211, 214, 215, 218, 219, 234, 239, French 1, 2, History 81*, 82*, 86, 87, Human 1, 6, 17, 60, Japan 21, 22,
- Music 101, 111, 116, 141, Philos 1, 20, 33, Photo 121, Spanish 1, 2, 3, 4, 8, 12, 21, 22, 35, 36, Theater 100, 200
- Other College ____________________________
  Advanced Placement ________________________

### D. LANGUAGE AND RATIONALITY
6 Semester Units minimum
- English 101, 28, 31, Journ 101 (English 101 with “C” grade or higher meets English competency for graduation)
- Communication Studies 101, 102, 104, 111, 121, 122, 190, Co Sci 58, 91, 92, 340, 344, Co Tek 61, Eng Tek 50,
- English 102, Journ 105, Math 123C, 125, 215, 216, 227, 234, 235, 236, 240, 260, 265, 266, 267, Philos 6, Stat 1
- Other College ____________________________
  Advanced Placement ________________________

### E. HEALTH AND PHYSICAL EDUCATION
3 Semester Units minimum
- Health 2, 6, 11, 12, Fam & CS 21, Child Dev. 11
- One KINESIOLOGY ACTIVITY (1 Semester Unit minimum)
- Military credit
  Advanced Placement ________________________

### Major / Area of Emphasis:
Major Courses (min. 36 units)

Electives:

Competency Met:  English: Course _______  Math: Course _______  Test _______  TOTAL _______

* May be counted for one area only, not both.

C = Completed  IP = In Progress  N = Need

Updated: August 2015  Counselor’s Signature  Date
COMMON QUESTIONS ABOUT THE IGETC

What is IGETC?
Completion of the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from a California community college to a campus in either the University of California or California State University System without the need, after transfer, to take additional lower division general education courses to satisfy campus general education requirements.

Who can’t use IGETC?
Students who began their collegiate work at a University of California campus and who intend to transfer back to any UC campus may not be able to use IGETC. See a counselor to determine the appropriate G.E. pattern to follow. Also, students transferring to the following programs should not use IGETC: School of Business and the College of Environmental Design at UC Berkeley, School of Engineering and Applied Sciences at UCLA, Revell and Eleanor Roosevelt College at UC San Diego.

What is Certification?
Harbor College will verify the completion of Intersegmental General Education Transfer Curriculum for transfer to either the University of California or the California State University System. Students who complete the entire IGETC curriculum with grades of “C” or better in all courses can have their general education certified by Harbor College. Up to 15 units of coursework in which a “credit” or “pass” grade is received will be certified providing either is equivalent to a grade of “C” or better. With a score of 3 or higher, Advanced Placement exams may be used to satisfy one general education course in the appropriate area. Although not part or the IGETC, Harbor College will also certify the completion of the CSU American History and Institutions graduation requirement.

Why should I have my courses certified?
To earn a Bachelor’s degree from UC or CSU, students must complete a program of general education. Harbor College will certify the completion of all lower division general education requirements for graduation from UC or CSU. Students who transfer without certification will have to meet the general education requirements of the specific UC or CSU campus to which they are transferring. This usually requires completion of additional courses after transfer.

What about courses taken at other colleges?
Harbor College will certify courses taken at other colleges and universities accredited by a regional association of Schools and Colleges. Harbor College will place courses taken at other California community colleges in the IGETC areas identified by the offering college. Courses taken at 4-year schools in California or at out-of-state 2-year or 4-year schools must either be equivalent to courses offered at Harbor College or at another California community college (CCC). These courses will be placed in the subject areas where the comparable LAHC courses are listed, or courses from another California community college on an approved IGETC pattern. If a course is not comparable to a CCC course listed on an approved IGETC pattern, it may be reviewed by petition to determine whether or not it meets IGETC Area Standards. Unless a foreign institution has United States regional accreditation, courses completed at foreign institutions are not acceptable for IGETC except for certification of competence in a language other than English.

How do I get my courses certified?
Certification is not automatic; request for certification must be made in the Admissions and Records Office when you send your final transcript to UC or CSU. Completion of the full IGETC pattern is highly recommended; partial certification is now allowed. Students can be missing no more than two courses to qualify for partial certification. WARNING: You need to complete minimum UC/CSU transfer admissions requirements. Therefore, if you are missing courses in IGETC Area 1 and/or 2, you may not be eligible for admissions and could put your admissions in jeopardy; please consult with a counselor. Furthermore, in order to do the certification, we must have all official transcripts on file from every college you have attended. If you are using two years of high school foreign language to satisfy the UC Language Other Than English requirement (IGETC Area 6), you must also have official copies of your high school transcripts on file. You may also meet this requirement by providing official documentation showing satisfactory completion, with a “C” grade or better, of two years of formal schooling at the sixth grade level or higher at an institution where the language of instruction is not English. Exam results used to meet this requirement must be on file in the Admissions and Records Office at Harbor College.
IGETC
(INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM)
2014-2015
LOS ANGELES HARBOR COLLEGE

The Intersegmental General Education Transfer Curriculum (IGETC) is a series of courses that community college students can use to satisfy lower division general education requirements at any CSU or UC campus. The IGETC provides an option to the California State University General Education Requirements and replaces the University of California Transfer Core Curriculum. Students in high unit majors may find it advantageous to follow a particular UC campus’s breadth requirements instead of the IGETC. Students with prior UC coursework may be ineligible to follow the IGETC to transfer back to a UC. See a counselor for additional information.

IMPORTANT: Students need to have the IGETC certified prior to sending final transcripts to the university. Failure to have general education certified may result in additional lower-division coursework being required after transfer. All courses must be completed with "C" grade or higher. Most universities will expect students to finish 60 transferable units with a minimum 2.4 gpa, and significantly higher for competitive majors.

### AREA 1 – ENGLISH COMMUNICATION
(2-3 courses, 6-9 semester/ 12-15 quarter units)

**1A: ENGLISH COMPOSITION**
(1 course, 3 semester/ 4-5 quarter units)
- English 101

**1B: CRITICAL THINKING/ ENGLISH COMPOSITION**
(1 course, 3 semester /4-5 quarter units).
Courses must have English Composition as a prerequisite.
- English 102~
  ~Must be taken Fall 1992 or after.

**1C: ORAL COMMUNICATION** (CSU only)
(1 course, 3 semester / 4-5 quarter units)
- Communication Studies **(Speech) 101, 102, 121

### AREA 2 – MATHEMATICAL CONCEPTS and QUANTITATIVE REASONING
(1 course, 3 semester / 4-5 quarter units)

- Math 227*, 234, 235*, 236* 260, 265*, 266, 267, 270, 275
- Statistics 1*

### AREA 3– ARTS and HUMANITIES
(At least 3 courses, 9 semester / 12-15 quarter units)

At least one course from the Arts and one from the Humanities.

**3A: ART COURSES:**
- Architecture 132**, 133**(43)
- Art 100,101, 102, 103, 111, 201
- Music 101, 111, 116, 141
- Photo 121
- Theater 100

**3B: HUMANITIES COURSES:**
- History 74^, 81^, 82^, 86^, 87^
- Humanities 1, 6*, 17, 60
- English 203, 204, 205, 206, 207, 208, 209, 211, 214, 215, 219, 234, 239, 240
- French 2
- Philosophy 1, 20, 33
- Spanish 2, 3, 4, 12, 36

^ May be counted for either Humanities or Social and Behavioral Sciences credit, but not for both.
*Indicates that transfer credit may be limited by either UC or CSU or both. Please consult with a counselor for additional information.
** Indicates number and/or prefix in parenthesis changed. Please refer to the College Catalog and/or consult with a counselor. 12/14

### AREA 4 – SOCIAL and BEHAVIORAL SCIENCES
(At least 3 courses, 9 semester/ 12-15 quarter units)

Courses from at least two disciplines or an inter-disciplinary sequence.

- Anthropology 102, 121
- Child Development 1, Communication Studies 190
- Economics 1,2
- Geography 7
- History 1, 2, 6, 11*, 12*, 19, 20, 21, 41*, 42*, 43*, 44*, 52,
  58, 74^, 81^, 82^, 86^, 87^
- Political Science 1, 2, 7, 30
- Psychology 1, 14, 41
- Sociology 1, 2, 12, 21

### AREA 5 - PHYSICAL and BIOLOGICAL SCIENCES
(At least 2 courses, 7-9 semester / 9-12 quarter units)

One Physical Science course and one Biological Science course; at least one must include a laboratory.

**5A: PHYSICAL SCIENCE:**
- Astronomy 1, Chemistry 65*, 101, 102, 211*, 212* Env. Sci. 1, Geography 1, Geology 1, Oceanography 1, Physical Science 1*, Physics, 6*, 7*, 11*, 37*, 38*, 39*

**5B BIOLOGICAL SCIENCE:**
- Anthropology 101, Anatomy 1*, Biology 3*, 5, 101, Environmental Science 2, Microbiology 20*, Oceanography 12, Physiology 1*, Psychology 2

**5C: SCIENCE LABORATORY:**

**LANGUAGE OTHER THAN ENGLISH**
Proficiency equivalent to two years of high school study in the same language. (High school transcripts are required if proficiency was met in high school.)

The following course(s) at this institution fulfill the requirement: (UC requirement only)
- French 1
- German 1
- Spanish 1, 22, 35

**CSU GRADUATION REQUIREMENT IN US HISTORY, CONSTITUTION AND AMERICAN IDEALS**
Not Part of IGETC, may be completed prior to transfer, and the courses may be "double counted" to satisfy requirements for IGETC Area 4 above.

6 units, one course from (A) and one course from (B)
  (A) Political Science 1 or 30
  (B) History 6, 11, 12, 41, 42, 43, 44, 52, 58, 81, 82
ACCTG 001 (5.00 Units)
INTRODUCTORY ACCOUNTING I
5.00 hours lecture
Credit is allowed in only one of Accounting 1 or the Accounting 21 and 22 combination.
Grading: Letter Graded
This course provides an introduction to financial accounting and accounting information systems. Areas covered include recording, summarizing, and reporting of business transactions, preparation of financial statements, revenues and expense recognition; assets, liability, and capital accounts. Emphasis is placed on accounting for sole proprietorships and corporations and the use of accounting information in decision making by various stakeholders.
DE** Effective Summer 2015 (Approved: CC, Senate)
Transfer Credit: UC/CSU

ACCTG 002 (5.00 Units)
INTRODUCTORY ACCOUNTING II
5.00 hours lecture
Prerequisite: Completion of Accounting 1 or the Accounting 21 and 22 combination with a letter grade of "C" or better.
Grading: Letter Graded
Topics covered include corporate income tax reporting, unusual income statement items, accounting for investment in stocks and bonds, bonds payable, statement of cash flows, present value concept and financial statement analysis. However, course emphasizes mainly managerial accounting concepts and principles for planning and decision making.
Transfer Credit: UC/CSU

ACCTG 003 (3.00 Units)
INTERMEDIATE ACCOUNTING I
3.00 hours lecture
Prerequisite: Completion of Accounting 2 with a letter grade of 'C' or better.
Grading: Letter Graded
This course emphasizes the application of generally accepted accounting principles in the preparation and use of financial statements for decision-making purposes. Special emphasis is placed on the recognition and measurement of revenues, cash, receivables, inventories, property, plant and equipment, depreciation and depletion, and intangibles.
Transfer Credit: CSU

ACCTG 011 (3.00 Units)
COST ACCOUNTING
3.00 hours lecture
Prerequisite: Completion of Accounting 2 with a letter grade of 'C' or better.
Grading: Letter Graded
A study of managerial cost accumulation concepts and techniques for product and service costing, planning and control. Emphasis is on the use of cost accounting information for decision making and the preparation, analysis and use of cost accounting information. Topics include process costing, job order costing, variable costing, direct costing, standard costing, budgeting and profit planning, activity based costing.
Transfer Credit: CSU

ACCTG 015 (3.00 Units)
TAX ACCOUNTING I
3.00 hours lecture
Grading: Letter Graded
A practical study of the current federal revenue acts and California State Tax Law as they relate to business and individual income tax procedures is made. Topics studied include income inclusions and exclusion, capital gains and losses, and business and personal deductions.
Transfer Credit: CSU

ACCTG 016 (3.00 Units)
TAX ACCOUNTING II
3.00 hours lecture
Prerequisite: Completion of Accounting 1 or 15 with a letter grade of 'C' or better.
Grading: Letter Graded
A continued study of income tax regulations and procedures is made. Accounting methods, installments sales, partnerships and corporate income tax procedures are studied.
Transfer Credit: CSU

ACCTG 021 (3.00 Units)
BOOKKEEPING AND ACCOUNTING I
3.00 hours lecture
Grading: Letter Graded
This course is the first half of Accounting I and it is an introduction to financial accounting and accounting information systems. It includes recording, summarizing, and reporting of business transactions in various journals and ledgers, preparation of trial balance and financial statements, revenues and expense recognition; assets, liability, and capital accounts.
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
ACCTG 022 (3.00 Units)
BOOKKEEPING AND ACCOUNTING II
3.00 hours lecture
Prerequisite: Completion of Accounting 21 with a letter grade of 'C' or better.
Grading: Letter Graded
This course is the second half of Accounting I and it is an introduction to financial accounting and accounting information systems. It includes a study of the voucher system, payroll accounting, depreciation, inventory valuation, bad debts, notes and interest. Emphasizes accounting for sole proprietorships and corporations and the use of accounting information in decision making by investors, creditors and others.
Transfer Credit: CSU

ADM JUS 001 (3.00 Units)
INTRODUCTION TO ADMINISTRATION OF JUSTICE
3.00 hours lecture
Grading: Letter Graded
This course details the philosophy and history of law enforcement; overview of crime and police problems; organization and jurisdictional local, state and federal agencies. Survey of qualifications required.
DE**
Transfer Credit: UC/CSU

ADM JUS 002 (3.00 Units)
CONCEPTS OF CRIMINAL LAW
3.00 hours lecture
Recommended: Completion of Administration of Justice 001 with a grade of 'C' or better.
Grading: Letter Graded
This course deals with the structure of law, definitions, and the most frequently used sections of the California Penal Code. Topics include origins of federal and state laws, interpretation and application of laws, identifying elements of property crimes and criminal liability.
DE**
Transfer Credit: UC/CSU

ADM JUS 003 (3.00 Units)
LEGAL ASPECTS OF EVIDENCE
3.00 hours lecture
Recommended: Completion of Administration of Justice 001 with a grade of 'C' or better.
Grading: Letter Graded
This course includes the kinds and degrees of evidence and the rules governing the admissibility of evidence in court.
DE**
Transfer Credit: CSU

ADM JUS 005 (3.00 Units)
CRIMINAL INVESTIGATION
3.00 hours lecture
Recommended: Completion of Administration of Justice 001 with a grade of 'C' or better.
Grading: Letter Graded
This course includes fundamentals of investigation, crime scene search and recording, collection and preservation of physical evidence, scientific aids, modus operandi, sources of information, interviews and interrogation, and follow-up and case preparation.
DE**
Transfer Credit: CSU

ADM JUS 006 (3.00 Units)
PATROL PROCEDURES
3.00 hours lecture
Grading: Letter Graded
This course includes the responsibilities, techniques, and methods of police patrol procedures.
DE**
Transfer Credit: CSU

ADM JUS 008 (3.00 Units)
JUVENILE PROCEDURES
3.00 hours lecture
Recommended: Completion of Administration of Justice 001 with a grade of 'C' or better.
Grading: Letter Graded
This course includes the organization, functions, and jurisdiction of the juvenile agencies, the processing and detention of juveniles, juvenile case disposition, juvenile status and court procedures.
DE**
Transfer Credit: CSU

ADM JUS 014 (3.00 Units)
REPORT WRITING FOR PEACE OFFICERS
3.00 hours lecture
Recommended: Completion of Administration of Justice 001 with a grade of 'C' or better.
Grading: Letter Graded
Involved in this course are the study of and practice in various types of technical writing commonly used in police agencies, the appropriateness of different styles in different contexts and the conceptualization of the material, and the utilization of machine tabulation in reports and methods of reporting criminal statistics.
DE**
Transfer Credit: CSU
ADM JUS 016 (3.00 Units)
RECRUITMENT SELECTION PROCESS
3.00 hours lecture
Grading: Letter Graded
This course provides an in-depth coverage of the legal selection process designed to assist student with employment in a law enforcement agency. Written and oral exam techniques and the agility exam are covered. The background investigation process is examined in detail.
DE**
Transfer Credit: CSU

ADM JUS 037 (3.00 Units)
CALIFORNIA CRIMINAL PROCEDURES I
3.00 hours lecture
Recommended: Completion of Administration of Justice 001 with a grade of 'C' or better.
Grading: Letter Graded
This course includes a study of the history and organization of the court system, jurisdiction, arrest, search and seizure, bail, complaints and extradition.
DE**
Transfer Credit: CSU

ADM JUS 042 (3.00 Units)
ADVANCED CRIMINAL LAW
3.00 hours lecture
Recommended: Completion of Administration of Justice 001 with a grade of 'C' or better.
Grading: Letter Graded
An in-depth study of the substantive law commonly encountered by the municipal, county, or state police officer or investigator or other criminal justice employee. The scope of the course includes misdemeanor and felony violations of the criminal statutes.
DE**
Transfer Credit: CSU

ADM JUS 067 (3.00 Units)
COMMUNITY RELATIONS I
3.00 hours lecture
Recommended: Completion of Administration of Justice 001 with a grade of 'C' or better.
Grading: Letter Graded
This course deals with the latest concepts in police-community relations and the events that created them. It covers the changing role of police in a society that is both dynamic and unprecedented. It touches upon the interplay of social mores, changing values, and urban crime as they relate to and affect traditional police-community positions.
DE**
Transfer Credit: CSU

ADM JUS 075 (3.00 Units)
INTRODUCTION TO CORRECTIONS
3.00 hours lecture
Grading: Letter Graded
This course surveys the total correctional cycle and the relationships of its components, including historical, theoretical and philosophical explanations of criminal behavior; statistics and research findings; employment opportunities; and employment requirements. This course will also examine the basic nature of correctional work; aims and objectives of correctional administration; probation and parole; skills; knowledge and attitudes required for employment in this field.
Transfer Credit: CSU

ADM JUS 319 (3.00 Units)
RESEARCH METHODS & STATISTICS IN CRIMINAL JUSTICE
3.00 hours lecture
Recommended: Completion of Administration of Justice 001 with a grade of 'C' or better.
Grading: Letter Graded
Introduction to research methodologies used most often in the study of crime and criminal behavior, police/court systems, and correctional institutions, policies, and programs. Students will acquire the knowledge to conceptualize a research problem and develop a number of complementary design, measurement, and data collection approaches to bring evidence to bear on a criminal justice policy issue. This course may be scheduled at times to be arranged (TBA) for a minimum of 54:00 hours.
DE**
Transfer Credit: CSU

ADM JUS 750 (3.00 Units)
ETHICS AND THE CRIMINAL JUSTICE SYSTEM
3.00 hours lecture
Recommended: Completion of Administration of Justice 001 with a grade of 'C' or better.
Grading: Letter Graded
This course explores ethical dilemmas, value definitions, and their application to decision making, by police, court, probation, parole, corrections, and private security personnel. Remediation strategies relating to unethical behavior by individuals and groups will also be addressed in this course.
DE**
Transfer Credit: CSU

ANATOMY

ANATOMY 001 (4.00 Units)
INTRODUCTION TO HUMAN ANATOMY
3.00 hours lecture and 3.00 hours lab
Prerequisites: High school chemistry or one semester of college chemistry. Concurrent enrollment in lecture and laboratory section is required.
Grading: Letter Graded
Study of structures of the human body. Cat dissection may be used to compare to man. A materials fee of $20.00 is required.
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
ANATOMY 001L (1.00 Units)
INTRODUCTION TO HUMAN ANATOMY
3.00 hours lab
Grading: Letter Graded
Concurrent enrollment in lecture and laboratory section is required. Study of structures of the human body. Cat dissection may be used to compare to man. A materials fee of $30.00 is required.
Transfer Credit: UC/CSU

ANATOMY 001U (3.00 Units)
INTRODUCTION TO HUMAN ANATOMY
3.00 hours lecture
Grading: Letter Graded
Concurrent enrollment in lecture and laboratory section is required. Study of structures of the human body. Cat dissection may be used to compare to man.
Transfer Credit: UC/CSU

ANTHRO 101 (3.00 Units)
HUMAN BIOLOGICAL EVOLUTION
3.00 hours lecture
Grading: Letter Graded
Introduction to the anthropological study of human evolution. Topics include the mechanisms of evolutionary change, genetics, human variation, and the reconstruction of human evolutionary history through an examination of the fossil record and through the use of comparative studies of our closest biological relatives, the living monkeys and apes.
DE**
Transfer Credit: UC/CSU

ANTHRO 102 (3.00 Units)
HUMAN WAYS OF LIFE: CULTURAL ANTHROPOLOGY
3.00 hours lecture
Grading: Letter Graded
This course attempts to define culture and to survey the variety of man's cultures at all levels of socio-cultural development from the small-scale, technologically simple cultures to the large-scale technologically complex ones. Topics described and analyzed include the social institutions, such as kinship, marriage, family, religion, politics, language, and economics in a cross-cultural perspective.
DE**
Transfer Credit: UC/CSU

ANTHRO 103 (3.00 Units)
ARCHAEOLOGY: RECONSTRUCTING THE HUMAN PAST
3.00 hours lecture
Recommended: Completion of English 101 with a grade of "C" or better.
Grading: Letter Graded
This course covers the objectives and methods of modern archaeology; important archaeological discoveries throughout the world; contributions of archaeology toward understanding and preserving of human culture.
Transfer Credit: UC/CSU

ANTHRO 104 (3.00 Units)
HUMAN LANGUAGE AND COMMUNICATION
3.00 hours lecture
Recommended: Completion of English 101 with a grade of "C" or better.
Grading: Letter Graded
As an introduction to linguistic anthropology, this course will cover the study of language, culture, and society from an anthropological perspective. Language will be presented as a form of social interaction in which participants do things with and through everyday talk. Topics include the biological basis of communication and speech, the relationship between language and culture, the structure of language, language origins, language through time, language variation, language in social context, the ethnography of communication, nonverbal communication and writing, and linguistic anthropology in the contemporary world. Special topics may include pidgins and creoles, language death and revival, and the relationship between language, identity, and power.
Transfer Credit: UC/CSU

ANTHRO 111 (2.00 Units)
LABORATORY IN HUMAN BIOLOGICAL EVOLUTION
1.00 hour lecture and 2.00 hours lab
Prerequisite: Completion of Anthropology 101 with a grade of "C" or better.
Grading: Letter Graded
This course will enable students to apply key concepts and techniques in physical anthropology. Through the understanding and use of scientific methodology, students will experience how to solve problems related to genetics, human variation, the living primates, and human paleontology.
DE**
Transfer Credit: UC/CSU

ANTHRO 121 (3.00 Units)
ANTHROPOLOGY OF RELIGION, MAGIC AND WITCHCRAFT
3.00 hours lecture
Grading: Letter Graded
This course considers the origins and varieties of religious beliefs and practices cross-culturally. Topics include mythology, symbolism, shamanism, altered states of consciousness, magic, divination, witchcraft, and the question of cults.
DE**
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
### ARCHITECTURE

#### ARC 115 (2.00 Units)
**ARCHITECTURAL PRACTICE**
- 2.00 hours lecture
- **Grading:** Letter Graded
  - This course covers the role of an Architect in professional practice, including employment, legal and administrative procedures, and relationship to other design and construction professions. Licensing requirements and the operation of a professional office are also studied.
  - Transfer Credit: CSU

#### ARC 121 (2.00 Units)
**FREEHAND DRAWING I**
- 1.00 hour lecture and 3.00 hours lab
- **Grading:** Letter Graded
  - Students will study drawing and sketching using pencil, ink, and charcoal, mostly of perspective drawings of architectural forms. This course includes studies of composition, form, value, and scale. A $20 lab fee is required.
  - Transfer Credit: UC/CSU

#### ARC 132 (3.00 Units)
**ARCHITECTURAL HISTORY I: PREHISTORY TO THE MIDDLE AGES**
- 3.00 hours lecture
- **Grading:** Letter Graded
  - This course covers the development of architecture from prehistoric times to the beginning of the Renaissance, focusing on geographical, geological, climatic, religious social and historical aspects. Note this course satisfies GE Requirements in Humanities. (Same as Art 137 (3) UC:CSU)
  - **DE** Effective Spring 2015 (Approved: CC, Senate)
  - Transfer Credit: UC/CSU

#### ARC 133 (3.00 Units)
**ARCHITECTURAL HISTORY II: LATE MIDDLE AGES TO MODERN**
- 3.00 hours lecture
- **Grading:** Letter Graded
  - This course covers the development of architecture from Renaissance to modern architecture of today and tomorrow, focusing on geographical, geological, climatic, religious social and historical aspects. Note this course satisfies GE Requirements in Humanities.
  - **DE** Effective Spring 2015 (Approved: CC, Senate)
  - Transfer Credit: UC/CSU

#### ARC 151 (3.00 Units)
**MATERIALS OF CONSTRUCTION**
- 3.00 hours lecture
- **Grading:** Letter Graded
  - This course investigates principal building materials: wood, steel, concrete, and masonry, and their uses in the architecture and construction field. Non-structural materials such as glass, roofing, plastics, and paint are covered as well as sustainable strategies and materials.
  - Transfer Credit: CSU

#### ARC 160 (3.00 Units)
**COMPUTERS FOR DESIGNERS**
- 1.50 hours lecture and 4.50 hours lab
- **Grading:** Letter Graded
  - This course is an introduction to Photoshop and Illustrator, geared toward architects, environmental and industrial designers. Emphasis on how designers can optimize and understand the role of digital medium in today’s design industry. A $20 lab fee is required.
  - Transfer Credit: CSU

#### ARC 161 (2.00 Units)
**INTRODUCTION TO COMPUTER-AIDED ARCHITECTURAL DESIGN**
- 1.00 hour lecture and 3.00 hours lab
- **Grading:** Letter Graded
  - This course introduces AutoCAD drafting geared toward architects, covering all basic commands, drawing organization, and residential projects. A $20 lab fee is required.
  - **DE**
  - Transfer Credit: CSU

#### ARC 162 (3.00 Units)
**COMPUTER-AIDED DESIGN AND DRAFTING**
- 1.00 hour lecture and 5.00 hours lab
- **Prerequisite:** Completion of Architecture 161 with a grade of ‘C’ or better.
- **Grading:** Letter Graded
  - This course is a continuation of ARC 161 presenting studies of AutoCAD for architects focusing on advanced concepts such as dynamic blocks and annotative text and dimensioning. Includes basic 3-dimensional modeling in AutoCAD and Rhino. A $20 lab fee is required.
  - Transfer Credit: CSU

#### ARC 164 (2.00 Units)
**DESIGN SOFTWARE FOR ARCHITECTURE**
- 1.00 hour lecture and 3.00 hours lab
- **Prerequisite:** Completion of Architecture 164 with a grade of ‘C’ or better.
- **Grading:** Letter Graded
  - This course introduces Revit and BIM concepts. Creation of a 3-dimensional model and resulting 2-dimensional drawings such as plan, section, elevation.
  - A $20 lab fee is required.
  - Transfer Credit: CSU

#### ARC 165 (2.00 Units)
**SUSTAINABLE DESIGN AND BUILDING INFORMATION MODELING**
- 1.00 hour lecture and 2.00 hours lab
- **Prerequisite:** Completion of Architecture 164 with a grade of ‘C’ or better.
- **Grading:** Letter Graded
  - This course examines the underlying principles of sustainability design. Major aspects of sustainable design such as site location, energy efficiency, and material selection are covered. In addition, this course addresses the importance of Building Information Modeling (BIM) as it relates to sustainable design. Advanced topics in BIM are covered. A $20 lab fee is required.
  - **DE**
  - Transfer Credit: CSU

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**DE** indicates that this course may be offered as Distance Education

**TBA** indicates that this course may be offered in TBA format
ARC 170 (2.00 Units)
BEGINNING ARCHITECTURAL DRAFTING
1.00 hour lecture and 3.00 hours lab
Grading: Letter Graded
This course is an introduction to architectural skills for students entering architecture, urban planning, art, landscape, environmental, or interior design. Training in drawing at scale, developing multi-view drawings of buildings, floor plans, elevations, etc. Introduction to model building, sketching, and spatial comprehension. A $20 lab fee is required.
Transfer Credit: CSU

ARC 172 (3.00 Units)
ARCHITECTURAL DRAWING I
2.00 hours lecture and 4.00 hours lab
Grading: Letter Graded
In this course techniques of architectural drafting, symbols, dimensioning, and methods of representation, including the fundamentals needed to prepare a complete set of working drawings for a simple wood frame structure. A $20 lab fee is required.
Transfer Credit: CSU

ARC 173 (3.00 Units)
ARCHITECTURAL DRAWING II
2.00 hours lecture and 4.00 hours lab
Prerequisite or corequisite: Completion of Architecture 172 with a grade of 'C' or better. Completion of Architecture 161 with a grade of "C" or better, or concurrent enrollment.
Grading: Letter Graded
In this course students will study further development of drafting skills centered around the documentation of a two-story wood frame structure including floor plans, elevations, sections, details, plot plan, and topography. Covers the fundamental use of materials in construction with emphasis on building codes. A $20 lab fee is required.
Transfer Credit: CSU

ARC 201 (3.00 Units)
ARCHITECTURAL DESIGN I
1.00 hour lecture and 5.00 hours lab
Prerequisites: Completion of Architecture 172 and Environmental Design 102 with grades of 'C' or better.
Grading: Letter Graded
In this course students will work in a design lab studio exploring an architectural design problem, focused on analysis, layout, aesthetics, interpretation, sustainability and the nature of materials. Methods of presentations are studied as well as design approaches. A $20 lab fee is required.
Transfer Credit: UC/CSU

ARC 202 (3.00 Units)
ARCHITECTURAL DESIGN II
1.00 hour lecture and 5.00 hours lab
Prerequisite: Completion of Architecture 201 with a grade of 'C' or better.
Grading: Letter Graded
Students in this course will work in a design lab studio exploring an architectural design problem, focused on analysis, function, site, urban environment, aesthetics, culture and sustainability. Methods of presentations are studied as well as design approaches. A $20 lab fee is required.
Transfer Credit: UC/CSU

ARC 221 (3.00 Units)
ARCHITECTURAL RENDERING
1.00 hour lecture and 3.00 hours lab
Prerequisite: Completion of Architecture 160 and Architecture 161 with a grade of 'C' or better.
Grading: Letter Graded
In this course students will study a variety of digital media including 3DStudio Max, AutoCAD, Illustrator, InDesign, and Photoshop used in the creation of advanced rendering and illustration of architectural projects. Graphic layouts, montage, and interchange between various formats are explored. A $20 lab fee is required.
Transfer Credit: CSU

ARC 223 (1.00 Units)
PORTFOLIO DEVELOPMENT
2.00 hours lab
Prerequisite: Completion of Architecture 160, Architecture 161, and Environmental Design 102 with a grade of 'C' or better.
Grading: Letter Graded
Students in this course will create a professional architectural portfolio suitable for employment interviews or submission to transfer universities. Synthesize previous projects and skills into a cohesive graphic package. A $20 lab fee is required.
Transfer Credit: CSU

ARC 261 (3.00 Units)
COMPUTER-AIDED DESIGN FOR ARCHITECTURE I
1.00 hour lecture and 5.00 hours lab
Grading: Letter Graded
This course is an introduction to 3D Studio Max, including 3-dimensional modeling of objects and environments, rendering and materials. A $20 lab fee is required.
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
ART

ART 100 (3.00 Units)
INTRODUCTION TO STUDIO ART FOR NON-ART MAJORS
2.00 hours lecture and 2.00 hours lab
Grading: Letter Graded
Basic theories in drawing, painting, color and two dimensional design. Use of various media and emphasis on developing perceptual skills. Students are required to provide $10.00 Material Fees and purchase other materials in order to complete this class.
Transfer Credit: UC/CSU

ART 101 (3.00 Units)
SURVEY OF ART HISTORY I
3.00 hours lecture
Grading: Letter Graded
Survey of Art History from Prehistory through the Gothic Period.
Transfer Credit: UC/CSU

ART 102 (3.00 Units)
SURVEY OF ART HISTORY II
3.00 hours lecture
Grading: Letter Graded
The visual arts of the Western World from Renaissance to the Twenty-first Century.
Transfer Credit: UC/CSU

ART 103 (3.00 Units)
ART APPECIATION I
3.00 hours lecture
Grading: Letter Graded
This course is designed to develop a student’s understanding and appreciation of art and the artistic process.
Transfer Credit: UC/CSU

ART 111 (3.00 Units)
HISTORY OF CONTEMPORARY ART
3.00 hours lecture
Grading: Letter Graded
This survey course examines the various art movements beginning with the cubist movement and advancing through today’s modern art scene.
Transfer Credit: UC/CSU

ART 120 (3.00 Units)
ENTREPRENEURAL PRACTICES IN THE ARTS
3.00 hours lecture
Grading: Letter Graded
This course is designed to give students of art an understanding of the processes, procedures and regulations required for developing and maintaining a business in art production. General business practices combined with student specific discipline requirements will be addressed.
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
ART 201 (3.00 Units)
DRAWING I
2.00 hours lecture and 2.00 hours lab
Recommended: concurrent enrollment in Art 501.
Grading: Letter Graded
A fundamental course in drawing. Problems in drawing basic forms from nature, using pencil, charcoal, ink, and wash media.
Transfer Credit: UC/CSU

ART 202 (3.00 Units)
DRAWING II
2.00 hours lecture and 2.00 hours lab
Prerequisite: Completion of Art 201 with a grade of 'C' or better.
Grading: Letter Graded
This course is a continuation of Drawing I with continued emphasis on technical, observational and analytical aspects of drawing with the addition of color media as well as mixed drawing media. Projects are designed to test conceptual skills.
Transfer Credit: UC/CSU

ART 204 (3.00 Units)
LIFE DRAWING I
2.00 hours lecture and 2.00 hours lab
Recommended prerequisite: Completion of Art 201 and 501 with grades of 'C' or better.
Grading: Letter Graded
This is a beginning course in drawing the figure from life. Drawings with various time limitations are done to explore the relationships of movement, form, and space as they pertain to the human body. Emphasis is placed on proportion, structure and anatomy. This course is recommended for all art majors.
Transfer Credit: UC/CSU

ART 205 (3.00 Units)
LIFE DRAWING II
2.00 hours lecture and 2.00 hours lab
Prerequisite: Completion of Art 204 with a grade of 'C' or better.
Grading: Letter Graded
is is an intermediate course in drawing the human figure. Emphasis is placed on developing extended knowledge of human anatomy and acquiring enhanced skill in rendering its essential structure
Transfer Credit: UC/CSU

ART 206 (3.00 Units)
LIFE DRAWING III
2.00 hours lecture and 2.00 hours lab
Prerequisite: Completion of Art 205 with a grade of 'C' or better.
Grading: Letter Graded
This is an advanced course in drawing the human figure. Emphasis is placed on developing an advanced knowledge of human anatomy and acquiring advanced skill in rendering its essential structure.
Transfer Credit: UC/CSU

ART 207 (3.00 Units)
LIFE DRAWING IV
2.00 hours lecture and 2.00 hours lab
Prerequisite: Art 206.
Grading: Letter Graded
Transfer Credit: UC/CSU

ART 300 (3.00 Units)
INTRODUCTION TO PAINTING
2.00 hours lecture and 2.00 hours lab
Grading: Letter Graded
Beginning instruction and survey of various painting media, oil and acrylics, emphasis is placed on color mixing, experiencing contrasts of value, hue and intensity and on compositional organization.
Transfer Credit: UC/CSU

ART 301 (3.00 Units)
WATERCOLOR PAINTING I
2.00 hours lecture and 2.00 hours lab
Prerequisite: Completion of Art 300 with a grade of 'C' or better.
Grading: Letter Graded
This course provides experience with selected aqueous media; water color and gouache, technical control, organizational and compositional skills are emphasized.
Transfer Credit: UC/CSU

ART 302 (3.00 Units)
WATERCOLOR PAINTING II
2.00 hours lecture and 2.00 hours lab
Prerequisite: Completion of Art 301 with a grade of 'C' or better.
Grading: Letter Graded
This course provides continued experience with selected aqueous media; water color and gouache, technical control, organizational and compositional skills are emphasized.
Transfer Credit: UC/CSU

ART 303 (3.00 Units)
WATERCOLOR PAINTING III
2.00 hours lecture and 2.00 hours lab
Prerequisite: Completion of Art 302 with a grade of 'C' or better.
Grading: Letter Graded
This course provides advanced watercolor painting experience stressing technical achievement, creative improvisations, and complex compositions.
Transfer Credit: UC/CSU

ART 304 (3.00 Units)
ACRYLIC PAINTING I
2.00 hours lecture and 2.00 hours lab
Prerequisite: Completion of Art 300 with a grade of 'C' or better.
Grading: Letter Graded
This course provides an overview of acrylic painting techniques with emphasis on materials, color mixing, and application.
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
ART 305 (3.00 Units)  
ACRYLIC PAINTING II  
2.00 hours lecture and 2.00 hours lab  
Prerequisite: Completion of Art 304 with a grade of "C" or better.  
Grading: Letter Graded  
Continuation of Art 304, with emphasis on personal exploration and experimentation.  
Transfer Credit: UC/CSU

ART 306 (3.00 Units)  
ACRYLIC PAINTING III  
2.00 hours lecture and 2.00 hours lab  
Prerequisite: Completion of Art 305 with a grade of "C" or better.  
Grading: Letter Graded  
The creative exploration of acrylic paints in studying still life, landscape and the human figure.  
Transfer Credit: UC/CSU

ART 310 (2.00 Units)  
BEGINNING OIL PAINTING  
1.00 hour lecture and 3.00 hours lab  
Prerequisite: Completion of Art 300 with a grade of 'C' or better.  
Grading: Letter Graded  
This course provides introductory experience with oil painting. Technical control, organizational and compositional skills are emphasized.  
Transfer Credit: UC/CSU

ART 311 (2.00 Units)  
INTERMEDIATE OIL PAINTING  
1.00 hour lecture and 3.00 hours lab  
Prerequisite: Completion of Art 310 with a grade of 'C' or better.  
Grading: Letter Graded  
This course provides continued oil painting experience stressing technical achievement, creative improvisations, and complex compositions.  
Transfer Credit: UC/CSU

ART 312 (2.00 Units)  
ADVANCED OIL PAINTING  
1.00 hour lecture and 3.00 hours lab  
Prerequisite: Completion of Art 311 with a grade of 'C' or better.  
Grading: Letter Graded  
This course provides advanced oil painting experience stressing technical achievement, creative improvisations, and complex compositions.  
Transfer Credit: UC/CSU

ART 501 (3.00 Units)  
BEGINNING TWO-DIMENSIONAL DESIGN  
2.00 hours lecture and 2.00 hours lab  
Recommended corequisite: Art 201.  
Grading: Letter Graded  
This course presents an introduction to the fundamentals of art which involve creative exploration of visual elements and principles of design. The student experiences color, color theory, light and dark value line, texture and shape, and their integration in art structure.  
Transfer Credit: UC/CSU

ART 502 (3.00 Units)  
BEGINNING THREE-DIMENSIONAL DESIGN  
2.00 hours lecture and 2.00 hours lab  
Prerequisite: Completion of Art 501 with a grade of 'C' or better.  
Grading: Letter Graded  
This course covers the principles of three-dimensional design. Explorations are made in materials and media involving considerations to space. Applied design problems in three dimensions as well as creative sculptured forms and assemblages are included.  
DE** Effective Winter 2015 (Approved: CC, Senate)  
Transfer Credit: UC/CSU

ART 503 (3.00 Units)  
INTERMEDIATE DESIGN  
2.00 hours lecture and 2.00 hours lab  
Prerequisite: Art 502.  
Grading: Letter Graded  
A studio art course focused on further studies of the elements of art and the principles of design. These include line, shape, value, texture, color, space, and composition.  
Transfer Credit: UC/CSU

ART 521 (3.00 Units)  
ART GALLERY TECHNIQUES  
2.00 hours lecture and 2.00 hours lab  
Grading: Letter Graded  
Art 521 covers the basics of art gallery management including but not limited to, curatorial strategies, exhibition design, proper handling of artworks and their installation, gallery preparation and maintenance, gallery lighting, production and distribution of press releases, announcements, exhibitions lists, and related gallery literature. Students learn by working side-by-side with art professionals during preparation and installation. This course may be scheduled at times to be arranged (TBA) for a minimum of 72:00 hours.  
TBA**  
Transfer Credit: CSU

ART 633 (3.00 Units)  
INTRODUCTION TO COMPUTER GRAPHICS  
2.00 hours lecture and 2.00 hours lab  
Grading: Letter Graded  
Introductory course in computer graphics using primarily Adobe Illustrator. This is an ideal course for students interested in computer art. Material fee: $15.00.  
Transfer Credit: CSU

ART 637 (3.00 Units)  
PRESENTATION GRAPHICS  
2.00 hours lecture and 2.00 hours lab  
Grading: Letter Graded  
Students learn to prepare and optimize images, design and create layouts and interactive environments specific to a variety of audiences using Flash, Dreamweaver, Fireworks, Photoshop and Illustrator.  
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education  
TBA** indicates that this course may be offered in TBA format
ART 638 (1.00 Units)
COMPUTER-AIDED ART LABORATORY
2.00 hours lab
Grading: Letter Graded
This course is designed to reinforce lecture topics presented in each computer-aided art course. It provides students with the opportunity to practice and apply concepts learned in lecture.
TBA**
Transfer Credit: CSU

ART 639 (3.00 Units)
INTRODUCTION TO DIGITAL IMAGING
2.00 hours lecture and 2.00 hours lab
Grading: Letter Graded
Introduction to digital imaging using Adobe Photoshop. Students learn to capture and manipulate all types of images in Photoshop for both print and other types of media formats. Material fee: $15.00.
TBA**
Transfer Credit: CSU

ART 640 (3.00 Units)
PORTFOLIO DEVELOPMENT
2.00 hours lecture and 2.00 hours lab
Grading: Letter Graded
This is a specialized class devoted to assisting students in preparing and electronic portfolio tailored to their specific career and/or academic goals. Students will produce an electronic portfolio as an outcome of this class.
Transfer Credit: CSU

ART 644 (3.00 Units)
ADVANCED DIGITAL IMAGING
2.00 hours lecture and 2.00 hours lab
Grading: Letter Graded
In this course students learn advanced digital imaging/Photoshop techniques which will incorporate the use of computers and photographic digital software to alter, enhance, and create new images that can be output to print and digital media. Detailed instruction in the application of Adobe Photoshop will be covered. Development of concept and design, and the use of photographic images are emphasized. Creation of specialized projects will integrate digital image manipulation, compositing/collaging, retouching, editing and other specialized Photoshop techniques.
Transfer Credit: CSU

ART 706 (2.00 Units)
CLAY SCULPTURE I
1.00 hour lecture and 3.00 hours lab
Prerequisites: Completion of Art 501 and 713 with grades of ‘C’ or better.
Grading: Letter Graded
This course provides the student an exploration of ceramic sculpture in three dimension and relief. Creative experimentation is pursued with form, line and space. Reference is made to the history of and contemporary issues involving clay sculpture. Individual creativity is stressed. Students are required to provide $15.00 worth of instructional and other materials in order to complete this class.
TBA**
Transfer Credit: UC/CSU

ART 707 (2.00 Units)
CLAY SCULPTURE II
1.00 hour lecture and 3.00 hours lab
Prerequisite: Completion of Art 706 with a grade of ‘C’ or better.
Grading: Letter Graded
The student continues study begun in Art 706 using clay as a medium in three dimensions and relief. Students are required to provide $15.00 worth of instructional and other materials in order to complete this class.
Transfer Credit: UC/CSU

ART 712 (2.00 Units)
CERAMICS WORKSHOP
4.00 hours lab
Prerequisite: Completion of Art 714 with a grade of ‘C’ or better.
Grading: Letter Graded
Independent study in ceramics. Students are required to provide $15.00 worth of instructional and other materials in order to complete this class.
Transfer Credit: UC/CSU

ART 713 (2.00 Units)
BEGINNING CERAMICS I
4.00 hours lab
Recommended prerequisite: Concurrent enrollment in Art 501.
Grading: Letter Graded
Making things in clay: hand building, wheel throwing and glazing. Students are required to provide $15.00 worth of instructional materials in order to complete this class.
Transfer Credit: UC/CSU

ART 714 (2.00 Units)
BEGINNING CERAMICS II
1.00 hour lecture and 3.00 hours lab
Prerequisite: Completion of Art 713 with a grade of ‘C’ or better.
Recommended prerequisite: Concurrent enrollment in Art 501.
Grading: Letter Graded
Ceramic materials design and production emphasizing glazes and kiln firing. Students are required to provide $15.00 worth of instructional and other materials in order to complete this class.
Transfer Credit: UC/CSU

ASTRONOMY

ASTRON 001 (3.00 Units)
ELEMENTARY ASTRONOMY
3.00 hours lecture
Grading: Letter Graded
Completion of Astronomy 005 with a grade of "C" or better.
Effective Summer 2015 (Approved: CC, Senate) A study of early astronomy, the moon, sun planets, stellar origin and evolution, nebulae, galaxies, and cosmology. This course introduces astronomical methods used to determine the nature of our universe. Course work includes use of astronomical instruments in a laboratory setting. A planetarium is used to study star patterns and constellations.
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
ASTRON 005 (1.00 Units)
FUNDAMENTALS OF ASTRONOMY LABORATORY
3.00 hours lab
Prerequisite: Completion of Astronomy 1 with a grade of "C" or better or concurrent enrollment.
Grading: Letter Graded
Use of physical instruments and planetarium to gain further insight into astronomical knowledge.
Transfer Credit: UC/CSU

BSICSKL 023CE (0.00 Units)
COLLEGE AND SCHOLASTIC ASSESSMENT PREPARATION
12.00 hours lab
Grading: No Grade Given
This course is designed to prepare students to be assessed and/or to take standardized or proficiency exams in the content areas of Mathematics and English. This course provides an overview and review of these areas and is not intended to provide in-depth instruction.
Transfer Credit: Non Transferable

BSICSKL 083CE (0.00 Units)
GED PREPARATION: LITERATURE AND THE ARTS
10.00 hours lab
Grading: No Grade Given
This course is designed to prepare students for the General Educational Development (GED): Literature and the Arts Test. The class will include critical thinking skills - reading comprehension skills, interpreting graphs, analyzing literature and the arts including tone and style/prose fiction, interpreting poetry, drama, plays, on-fiction and commentaries.
Transfer Credit: Non Transferable

BSICSKL 084CE (0.00 Units)
GED PREPARATION: MATHEMATICS
10.00 hours lab
Grading: No Grade Given
This course is designed to prepare students to pass the General Educational Development (GED): Mathematics Test. It will include arithmetic, the metric system, algebra, geometry, statistics, and probability problems. Depending upon the diagnostic assessment, students will be directed to an appropriate plan of study.
Transfer Credit: Non Transferable

BSICSKL 085CE (0.00 Units)
GED PREPARATION: SCIENCE
10.00 hours lab
Grading: No Grade Given
This course is designed to prepare students to pass the General Educational Development (GED): Science Test. It will include biology, earth science, astronomy, geology, meteorology, chemistry, and physics.
Transfer Credit: Non Transferable

BSICSKL 086CE (0.00 Units)
GED PREPARATION: SOCIAL STUDIES
10.00 hours lab
Grading: No Grade Given
This course is designed to assist students prepare for the Social Studies component of the General Education Development (GED) examination. This course enhances students' ability to read, understand, and use information in the context of social studies. Students will focus on the five basic social studies content areas: United States history, civics and government, economics, and geography.
Transfer Credit: Non Transferable

BSICSKL 087CE (0.00 Units)
GED PREPARATION: WRITING SKILLS
10.00 hours lab
Grading: No Grade Given
This course is designed to prepare students for the Language, Writing Skills component of the General Educational Development (GED) examination. It will include sentence structure, English usage, mechanics, and writing 5-paragraph essays.
Transfer Credit: Non Transferable

BIOLOGY

BIOLOGY 003 (4.00 Units)
INTRODUCTION TO BIOLOGY
3.00 hours lecture and 3.00 hours lab
Grading: Letter Graded
Not open to students who have credit in Botany 1 or Zoology 1. Concurrent enrollment in lecture and laboratory section is required. Laboratory study of major concepts of biology, cellular structure, function, and organization of living systems. A materials fee of $20.00 is required.
Transfer Credit: UC/CSU

BIOLOGY 005 (4.00 Units)
INTRODUCTION TO HUMAN BIOLOGY
3.00 hours lecture and 3.00 hours lab
Grading: Letter Graded
A lecture/laboratory course that introduces the student to basic biological principles and their relationship to humans. Also, a foundation course for students who will enter the Health Sciences. May fulfill requirements in programs such as Physicians' Assistant, Human Services, Social Services, Home Health Care, and other Health related fields.
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
BIOLOGY 033 (3.00 Units)  
MEDICAL TERMINOLOGY  
3.00 hours lecture  
**Grading: Letter Graded**  
Develops comprehensive medical vocabulary for careers in nursing, clinical science, medical records, and medical transcribing. Recommended prerequisite to Anatomy 1 for students who have a minimal background in the life sciences.  
**DE** Effective Summer 2015 (Approved: CC, Senate)  
Transfer Credit: CSU

BIOLOGY 101 (5.00 Units)  
BIODIVERSITY AND ENVIRONMENTAL BIOLOGY  
4.00 hours lecture and 3.00 hours lab  
**Prerequisite:** Completion of Chemistry 101 with a grade of 'C' or better or concurrent enrollment.  
**Grading: Letter Graded**  
This is the first course of a three-course lecture and laboratory sequence for Biology majors. It includes the scientific method, cell structure and function, organisms at and above the cellular level of organization, as well as morphology, systematics, ecology, and behavior. This course prepares students entering the fields of medicine, dentistry, pharmacy, public health, veterinary medicine, among others. A materials fee of $35.00 is required.  
Transfer Credit: UC/CSU

BIOLOGY 102 (5.00 Units)  
MOLECULAR CELL BIOLOGY AND EVOLUTION  
4.00 hours lecture and 3.00 hours lab  
**Prerequisite:** Successful completion of Biology 101 and Chemistry 101 with a grade of C or better.  
**Grading: Letter Graded**  
This is the second course of a three-course lecture and laboratory sequence for Biology majors. Introduction to cell chemistry and function; cell division, patterns of inheritance, gene structure and function, and evolutionary theory. This course prepares students entering the fields of medicine, dentistry, pharmacy, public health, veterinary medicine, among others. A materials fee of $35 is required.  
Transfer Credit: UC/CSU

BIOLOGY 103 (5.00 Units)  
MOLECULAR GENETICS AND PHYSIOLOGY  
4.00 hours lecture and 3.00 hours lab  
**Prerequisite:** Successful completion of Biology 102 and Chemistry 102 with a grade of 'C' or better.  
**Grading: Letter Graded**  
This is the third course of a three-course lecture and laboratory sequence for Biology majors. This course is an introduction to genetic expression, regulation, and analysis, DNA technology, development, and physiology. This course prepares students entering the fields of medicine, dentistry, pharmacy, public health, and veterinary medicine. Students should have basic computer literacy and Internet skills. A materials fee of $35 is required.  
Transfer Credit: UC/CSU

BUSINESS

BUS 001 (3.00 Units)  
INTRODUCTION TO BUSINESS  
3.00 hours lecture  
**Grading: Letter Graded**  
This survey course introduces the various technical specialties used in a business including: organization, entrepreneurship, international business, marketing, finance, human resource management, and production. The student is exposed to many different aspects of the world of business throughout the course and can evaluate potential careers.  
**DE** Effective Winter 2015 (Approved: CC, Senate)  
Transfer Credit: UC/CSU

BUS 005 (3.00 Units)  
BUSINESS LAW I  
3.00 hours lecture  
**Grading: Letter Graded**  
Virtually all activities, both business and personal, are governed by laws. This course examines the legal principles of business transactions and everyday life. It provides an awareness of the legal system as it is applied to employment, operating your own business or as an ordinary consumer. Learn about the legal system, crimes, torts, contracts, and banking. This course is required for the Business Degree.  
Transfer Credit: UC/CSU

BUS 006 (3.00 Units)  
BUSINESS LAW II  
3.00 hours lecture  
**Grading: Letter Graded**  
This course continues the study of legal principles of business and consumer transactions. Learn your rights in sales transactions, creditor and debtor relations, bankruptcy, partnerships, corporations, consumer protection, environmental regulations, and international law. This course is required for the Business Degree.  
Transfer Credit: UC/CSU

BUS 031 (3.00 Units)  
BUSINESS ENGLISH  
3.00 hours lecture  
**Grading: Letter Graded**  
Word choice, sentence and paragraph construction, punctuation, spelling, and vocabulary are studied within the context of modern business communications.  
**DE** Effective Summer 2015 (Approved: CC, Senate)  
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education  
TBA** indicates that this course may be offered in TBA format
BUS 032 (3.00 Units)
BUSINESS COMMUNICATIONS
2.00 hours lecture and 2.00 hours lab
Prerequisite: Completion of Business 31 and English 101 or equivalent with a letter grade of 'C' or better. DE** Effective Winter 2015 (Approved: CC, Senate)
Grading: Letter Graded
Success in today’s competitive, diverse and global business environment requires excellent communication and teamwork skills. This course will help students to solve problems, use various forms of written communication, collaborate with work teams and use technology to communicate.
DE**
Transfer Credit: CSU

BUS 038 (3.00 Units)
BUSINESS COMPUTATIONS
3.00 hours lecture
Grading: Letter Graded
This course covers basic mathematics as it applies to business problems. The student will examine questions related to banking, interest, investments, mortgages, taxes, financial statements and business statistics.
Transfer Credit: CSU

BUS 060 (1.00 Units)
KEYBOARDING FUNDAMENTALS
3.00 hours lab
Grading: Letter Graded
Beginning/introductory keyboarding class for computer users. No credit if taken by CAOT majors. Course should be taken by Business and CIS majors and those interested in taking courses on computers for word processing, spreadsheets, graphics, and desktop publishing.
Transfer Credit: Non Transferable

BUS 130 (3.00 Units)
INTRODUCTION TO SUPPLY CHAIN MANAGEMENT
3.00 hours lecture
Grading: Letter Graded
This course is an overview of the entire supply chain and its key elements. It covers basic concepts and terminology used in demand planning, inventory planning, material planning, distribution planning, fulfillment planning, and related components of a supply chain.
DE**
Transfer Credit: Non Transferable

CHEMISTRY

CHEM 065 (4.00 Units)
INTRODUCTORY GENERAL CHEMISTRY
3.00 hours lecture and 3.00 hours lab
Prerequisite: Completion of Math 123C with a grade of ‘C’ or better or equivalent, or concurrent enrollment in Math 123C.
Grading: Letter Graded
Not open for credit to students who have credit in Chemistry 101. An introductory course for science majors. This course serves as a prerequisite to Chemistry 101. A materials fee of $15.00 is required.
Transfer Credit: UC/CSU

CHEM 066 (5.00 Units)
ORGANIC AND BIOCHEMISTRY FOR ALLIED HEALTH
3.00 hours lecture and 6.00 hours lab
Prerequisite: Completion of Chemistry 65 and Math 123C with grades of ‘C’ or better.
Grading: Letter Graded
Topics include organic and biochemistry with emphasis on the role of chemistry in health and disease, as well as molecular diseases and metabolic abnormalities. A materials fee of $15.00 is required.
Transfer Credit: UC/CSU

CHEM 101 (5.00 Units)
GENERAL CHEMISTRY I
3.00 hours lecture and 6.00 hours lab
Prerequisites: Completion of Chemistry 065 and Mathematics 123C or equivalent with grades of ‘C’ or better.
Recommended: Eligibility for English 101, or concurrent enrollment in English 028.
Grading: Letter Graded
Lecture and laboratory dealing with general principles of chemistry. A materials fee of $15.00 is required.
Transfer Credit: UC/CSU

CHEM 102 (5.00 Units)
GENERAL CHEMISTRY II
3.00 hours lecture and 6.00 hours lab
Prerequisite: Completion of Chemistry 101 with a grade of ‘C’ or better.
Grading: Letter Graded
Continuation of Chemistry 101; lab is qualitative inorganic analysis. A materials fee of $15.00 is required.
Transfer Credit: UC/CSU

CHEM 211 (5.00 Units)
ORGANIC CHEMISTRY FOR SCIENCE MAJORS I
3.00 hours lecture and 6.00 hours lab
Prerequisite: Completion of Chemistry 102 with a grade of ‘C’ or better.
Grading: Letter Graded
Introduction to structure, stereochemistry and reactions of carbon compounds. A materials fee of $25.00 is required.
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
CHEM 212 (5.00 Units)  
ORGANIC CHEMISTRY FOR SCIENCE MAJORS II  
3.00 hours lecture and 6.00 hours lab  
Prerequisite: Completion of Chemistry 211 with a grade of ‘C’ or better.  
Grading: Letter Graded  
Continuation of Chemistry 211 topics with additional emphasis on mechanisms and stereochemistry. Lab is devoted to synthesis of complex organic molecules. A materials fee of $25.00 is required.  
Transfer Credit: UC/CSU

CH DEV 001 (3.00 Units)  
CHILD GROWTH AND DEVELOPMENT  
3.00 hours lecture  
Grading: Letter Graded  
A comprehensive study of physical, cognitive, and social/emotional development from the prenatal to adolescent periods of human growth is explored. Students will explore the unique characteristics of each period through historical and contemporary philosophies of theorists.  
Transfer Credit: UC/CSU

CH DEV 002 (3.00 Units)  
EARLY CHILDHOOD: PRINCIPLES AND PRACTICES  
3.00 hours lecture  
Grading: Letter Graded  
Recommended for those interested in professions involving children. Survey of preschool education, current philosophies and practices. Role of the teacher is emphasized.  
Transfer Credit: CSU

CH DEV 003 (3.00 Units)  
CREATIVE EXPERIENCES FOR CHILDREN I  
3.00 hours lecture  
Grading: Letter Graded  
This course explores a variety of creative experiences for young children focusing on the domain area of creative art. Emphasis is placed on planning and implementing activities in early childhood learning environments. Materials fee: $25.00  
Transfer Credit: CSU

CH DEV 004 (3.00 Units)  
CREATIVE EXPERIENCES FOR CHILDREN II  
3.00 hours lecture  
Grading: Letter Graded  
This course explores a variety of creative experiences for young children focusing on the domain areas of music and movement, creative art, science, motor skills, math readiness and emergent learning environments. Materials fee: $25.00.  
Transfer Credit: CSU

CH DEV 005 (3.00 Units)  
PUPPETRY I  
3.00 hours lecture  
Grading: Letter Graded  
A variety of puppets will be created using hands-on techniques. Use of puppets to teach and engage children in math, science, literature, socialization, art, culture and diversity activities are explored. Materials fee: $35.00.  
Transfer Credit: CSU

CH DEV 010 (3.00 Units)  
HEALTH, SAFETY AND NUTRITION  
3.00 hours lecture  
Grading: Letter Graded  
Recommended for those interested in working with young children in a normal or special setting. Special health problems of young children are identified, including childhood diseases.  
Transfer Credit: CSU

CH DEV 011 (3.00 Units)  
CHILD, FAMILY AND COMMUNITY  
3.00 hours lecture  
Grading: Letter Graded  
Survey of sociological, cultural and economic influences on children and family life patterns.  
Transfer Credit: CSU

CH DEV 012 (3.00 Units)  
PARENT-TEACHER-CHILD INTERACTION  
3.00 hours lecture  
Recommended preparation: Child Development 1 and 2.  
Grading: Letter Graded  
This course familiarizes students with positive discipline techniques and other guidance models to be used with children from early childhood through adolescence. Communication techniques used in parent-teacher conferences are explored to give the student confidence in working with parents/guardians.  
Transfer Credit: CSU

CH DEV 022 (4.00 Units)  
PRACTICUM IN CHILD DEVELOPMENT I  
2.00 hours lecture and 6.00 hours lab  
Prerequisites: Child Development 1 and 3 units from Child Development 3 or 4. Completion of Ch DEV 001, 002, 004, and 011 with a grade of ‘C’ or better; health exam and TB test. Effective Winter 2015 (Approved: CC, Senate)  
Grading: Letter Graded  
Transfer Credit: CSU

CH DEV 023 (4.00 Units)  
PRACTICUM IN CHILD DEVELOPMENT II  
2.00 hours lecture and 6.00 hours lab  
Prerequisite: Completion of Child Development 22 with a grade of “C” or better.  
Grading: Letter Graded  
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education  
TBA** indicates that this course may be offered in TBA format
CH DEV 030 (3.00 Units)  
INFANT AND TODDLER STUDIES I  
3.00 hours lecture  
Grading: Letter Graded  
This course includes development from birth through 3 years. It provides information on teaching techniques, curriculum development and implementation, principles of caregiving, environmental design and observational opportunities.  
Transfer Credit: CSU

CH DEV 031 (3.00 Units)  
INFANT AND TODDLER STUDIES II  
3.00 hours lecture  
Grading: Letter Graded  
This course is a study of infant and toddler development, brain research and a relationship based approach to responsive program planning. Skill building in assessment, intervention, and inclusion will be developed. Direct observation in infant and toddler programs are required. Creating developmentally appropriate curriculum is emphasized.  
Transfer Credit: CSU

CH DEV 034 (3.00 Units)  
OBSERVING AND RECORDING CHILDREN'S BEHAVIOR  
3.00 hours lecture  
Grading: Letter Graded  
This course explores appropriate use of assessment and observation strategies to document development, growth, play, and learning to join with families and professionals in promoting children's success. Recording strategies, rating systems, portfolios, and multiple assessment tools are explored.  
Transfer Credit: CSU

CH DEV 036 (1.00 Units)  
LITERATURE FOR EARLY CHILDHOOD  
1.00 hour lecture  
Grading: Letter Graded  
Students will analyze traditional and contemporary literature to address issues of diversity and development. Students will analyze traditional and contemporary literature to address issues of diversity and development.  
Transfer Credit: CSU

CH DEV 038 (3.00 Units)  
ADMINISTRATION & SUPERVISION OF EARLY CHILDHOOD PROGRAMS I  
3.00 hours lecture  
Prerequisite: Completion of Child Development 1 and 2 with grades of "C" or better.  
Grading: Letter Graded  
This course provides an understanding of the principles and practices necessary to run an Early Childhood Education Program. State California licensing regulations, fiscal planning and management, personnel management, child abuse recognition and reporting requirements, and brochure development are some of the important topics covered. Professionalism and quality standards are emphasized.  
Transfer Credit: CSU

CH DEV 039 (3.00 Units)  
ADMINISTRATION & SUPERVISION OF EARLY CHILDHOOD PROGRAMS II  
3.00 hours lecture  
Prerequisite: Child Development 1 and 2 with grades of "C" or better  
Recommended: Child Development 38.  
Grading: Letter Graded  
This course provides an in depth study of finances, including grant and proposal writing. Licensing requirements for a wide variety of children's programs will be explored. Risk management and disaster preparedness for children's programs will be covered. Other topics covered include advocacy, staff development, professionalism as well as current trends in child development.  
Transfer Credit: CSU

CH DEV 042 (3.00 Units)  
TEACHING IN A DIVERSE SOCIETY  
3.00 hours lecture  
Recommended Preparation: Child Development 11  
Grading: Letter Graded  
Child Development 42 - THE CHILD IN A DIVERSE SOCIETY (3 UNITS) CSU  
This course is designed to enhance a teacher's sensitivity to and knowledge of cultural diversity. Appropriate multicultural instructional resources will be developed. Meaningful curriculum activities and experiences will be explored. Students will be introduced to creative ethnic materials in the areas of art, language, music, literature, dramatic play, foods, etc.  
Transfer Credit: CSU

CH DEV 045 (3.00 Units)  
PROGRAMS FOR CHILDREN WITH SPECIAL NEEDS  
3.00 hours lecture  
Recommended: Child Development 1 & 10  
Grading: Letter Graded  
A survey course covering slow-learner to gifted. For teacher aides and those who work with exceptional children.  
Transfer Credit: CSU

CH DEV 046 (2.00 Units)  
ADULT SUPERVISION/EARLY CHILDHOOD MENTORING  
2.00 hours lecture  
Prerequisite: Completion of Child Development 38 with a grade of "C" or better, one year of teaching experience or a two semester C.D. practicum course. Meets the Child Development Matrix requirement.  
Grading: Letter Graded  
This course presents principles and practices in staff relations and the supervision and evaluation of staff in early childhood program. The study of methods of clinical supervision and performance evaluation, leadership styles, group dynamics, conflict resolution, staff development, staff roles and responsibilities are explored.  
Transfer Credit: CSU
CH DEV 075 (1.00 Units)  
CHILD SAFETY  
1.00 hour lecture  
Grading: Letter Graded  
This course offers a first aid and cardiopulmonary resuscitation (CPR) training program giving individuals the knowledge and skills necessary to prevent, recognize, and provide basic care for injuries and sudden illnesses until advanced medical personnel arrive. American Red Cross CPR and First Aid certificates are awarded.  
Transfer Credit: Non Transferable

CH DEV 185 (1.00 Units)  
DIRECTED STUDY - CHILD DEVELOPMENT  
1.00 hour lecture  
Grading: Letter Graded  
The importance of music and physical movement in the education of young children is emphasized. Appropriate music delivery systems and movement activities are identified as a means of promoting cognitive and language development, kinesthetic and musical-rhythmic intelligence and socialization.  
Transfer Credit: CSU

CH DEV 911 (1.00 Units)  
COOPERATIVE EDUCATION - CHILD DEVELOPMENT  
1.00 hour lecture  
Grading: Letter Graded  
Child Development is approved for Cooperative Education, Work Experience, and Internships. See listing under Cooperative Education.  
Transfer Credit: CSU

CH DEV 921 (2.00 Units)  
COOPERATIVE EDUCATION - CHILD DEVELOPMENT  
2.00 hours lecture  
Grading: Letter Graded  
Child Development is approved for Cooperative Education, Work Experience, and Internships. See listing under Cooperative Education.  
Transfer Credit: CSU

CH DEV 931 (3.00 Units)  
COOPERATIVE EDUCATION - CHILD DEVELOPMENT  
3.00 hours lecture  
Grading: Letter Graded  
Child Development is approved for Cooperative Education, Work Experience, and Internships. See listing under Cooperative Education.  
Transfer Credit: CSU

COMM 076 (3.00 Units)  
ENGLISH SPEECH AS A SECOND LANGUAGE  
3.00 hours lecture  
Grading: Pass/No Pass  
For students whose native language is NOT English. Stresses the speaking of English, pronunciation, idiomatic expressions, and oral composition.  
Transfer Credit: CSU

COMM 101 (3.00 Units)  
PUBLIC SPEAKING  
3.00 hours lecture  
Grading: Letter Graded  
The purpose of this course is to train the student in critical thinking, research, and the organization of ideas presented in discussion and original speeches. To accomplish this purpose, students receive instruction and practical experience in audience analysis and adaptation, critical listening and evaluation. The entire course is designed to emphasize personal growth through effective oral communication. Public speaking is especially recommended for students who plan to enter the fields of salesmanship, law, teaching, or the ministry. It is a valuable part of leadership training.  
Transfer Credit: UC/CSU

COMM 102 (3.00 Units)  
ORAL COMMUNICATION II  
3.00 hours lecture  
Grading: Letter Graded  
This course will teach students global classroom skills for effective speech presentations. Emphasis will be place on current presentation technology in multimedia communications as well as effective content and organizational strategies in a variety of speech contexts including political and forensic oratory.  
Transfer Credit: UC/CSU

COMM 104 (3.00 Units)  
ARGUMENTATION AND DEBATE  
3.00 hours lecture  
Recommended prerequisite: Completion of English 101 with a grade of ‘C’ or better. Effective Summer 2015 (Approved: CC, Senate)  
Grading: Letter Graded  
Methods of critical inquiry and advocacy. 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.  
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education  
TBA** indicates that this course may be offered in TBA format
COMM 111 (3.00 Units)
VOICE AND ARTICULATION
3.00 hours lecture
Grading: Letter Graded
In this course, students examine the use of spoken Standard American English. Emphasis is placed on personal improvement of spoken English through drills utilizing the International Phonetic Alphabet. Also included is an overview of the physiological processes of speech and other forms of spoken English.
Transfer Credit: UC/CSU

COMM 121 (3.00 Units)
INTERPERSONAL COMMUNICATION
3.00 hours lecture
Recommended prerequisite: Completion of English 101 with a grade of ‘C’ or better. Effective Summer 2015 (Approved: CC, Senate)
Grading: Letter Graded
Principles of verbal and nonverbal transactions that occur in relationships. Study of theory and research findings and their application to communication in interpersonal relationships in personal and professional contexts.
Transfer Credit: UC/CSU

COMM 122 (3.00 Units)
INTERCULTURAL COMMUNICATION
3.00 hours lecture
Grading: Letter Graded
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 and knowledge of effective communication within and between cultures. Appreciation and comparison of communication of diverse groups within the larger context of American culture.
Transfer Credit: UC/CSU

COMM 151 (3.00 Units)
SMALL GROUP COMMUNICATION
3.00 hours lecture
Recommended prerequisite: Completion of English 101 with a grade of ‘C’ or better. Effective Summer 2015 (Approved: CC, Senate)
Grading: Letter Graded
A lecture/activity/discussion course which provides an analysis of the purposes, principles, and types of group processes. Development of individual skills in leadership, problem solving, and collaborative learning is achieved by responsible group participation.
Transfer Credit: UC/CSU

COMM 190 (3.00 Units)
COMMUNICATION AND NEW MEDIA
3.00 hours lecture
Recommended prerequisite: Completion of English 101 with a grade of ‘C’ or better. Effective Summer 2015 (Approved: CC, Senate)
Grading: Letter Graded
This course introduces computer-mediated communication. Students examine how the Internet, specifically popular culture, social media, websites, blogs, podcasts, YouTube, and social networks, have reshaped communication practices. The course offers an overview of relevant theories and critical issues while providing students with the opportunity to apply communication skills using new media.
Transfer Credit: UC/CSU

COMPUTER APPLICATIONS
OFFICE TECHNOLOGIES

CAOT 001 (3.00 Units)
COMPUTER KEYBOARDING AND DOCUMENT APPLICATIONS I
2.00 hours lecture and 3.00 hours lab
Grading: Letter Graded
This beginning course in computer keyboarding is designed to develop mastery of the keyboard and the fundamental keyboarding techniques.
DE** Effective Summer 2015 (Approved: CC, Senate)
Transfer Credit: CSU

CAOT 002 (3.00 Units)
COMPUTER KEYBOARDING AND DOCUMENT APPLICATIONS II
2.00 hours lecture and 3.00 hours lab
Prerequisite: Completion of CAOT 1 with a letter grade of ‘C’ or better or a 30 word-a-minute keyboarding speed.
DE** Effective Summer 2015 (Approved: CC, Senate)
Grading: Letter Graded
This intermediate course offers instruction in letter placement and tabulation in addition to further development of speed and review of computer keyboarding techniques. Students should achieve a keyboarding speed of at least 50 words-per-minute.
Transfer Credit: CSU

CAOT 007 (3.00 Units)
MACHINE TRANSCRIPTION
2.00 hours lecture and 2.00 hours lab
Prerequisite: Ability to type 30 words-a-minute. Recommended: Business 31 and CAOT 1.
Grading: Letter Graded
Required: Students take CAOT 64 or CAOT 185. Students use computers to transcribe letters and memos from machine dictation. Business letter styles, word division, spelling, and punctuation are reviewed.
Transfer Credit: Non Transferable

CAOT 009 (1.00 Units)
COMPUTER KEYBOARDING IMPROVEMENT
3.00 hours lab
Grading: Letter Graded
Students improve speed and accuracy through timed writings and corrective drills. Students keying less than 25 words-a-minute, Business 60 or CAOT 1 is recommended. This course may be taken along with CAOT 2.
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
CAOT 021 (5.00 Units)
MEDICAL SECRETARIAL PROCEDURES I
5.00 hours lecture
Prerequisite: Typing speed of 45 words a minute or concurrent enrollment in CAOT 2.

DE** Effective Summer 2015 (Approved: CC, Senate)
Grading: Letter Graded
Required: Students take CAOT 64 or CAOT 185. Recommended: Biology 33 and Business 31. Students keyboard medical case histories and reports from machine dictation.
Transfer Credit: Non Transferable

CAOT 022 (5.00 Units)
MEDICAL SECRETARIAL PROCEDURES II
5.00 hours lecture
Prerequisite: Completion of CAOT 2 and CAOT 21 or equivalent with a letter grade of ‘C’ or better.

DE** Effective Summer 2015 (Approved: CC, Senate)
Grading: Letter Graded
Required: Students take CAOT 64 or CAOT 185. This course continues medical transcription skill development at an advanced level.
Transfer Credit: Non Transferable

CAOT 023 (5.00 Units)
LEGAL OFFICE PROCEDURES I
5.00 hours lecture
Prerequisite: Completion of CAOT 2 or equivalent with a letter grade ‘C’ or better.
Grading: Letter Graded
Required: Students take CAOT 64 or CAOT 185. Students may use the computer to prepare specialized legal documents in civil litigation, probate, corporate, and real estate proceedings from machine dictation.

DE** Effective Summer 2015 (Approved: CC, Senate)
Transfer Credit: Non Transferable

CAOT 030 (3.00 Units)
OFFICE PROCEDURES
3.00 hours lecture
Recommended CAOT 1, Bus 060 or ability to type 20 WPM.
Grading: Letter Graded
Instruction for this course is offered in the classroom and on-line to fit the busy schedule of students. Office work methods are studied.
Transfer Credit: CSU

CAOT 033 (2.00 Units)
RECORDS MANAGEMENT AND FILING
1.00 hour lecture and 2.00 hours lab
Grading: Letter Graded
Recommended for all CAOT and Business majors. Learn standard indexing and filing rules for manual and electronic filing systems as well as records management procedures.

DE** Effective Summer 2015 (Approved: CC, Senate)
Transfer Credit: Non Transferable

CAOT 034 (2.00 Units)
BUSINESS TERMINOLOGY
2.00 hours lecture
Recommended for all CAOT and Business majors.
Grading: Letter Graded
This course will enrich office vocabulary and improve spelling with particular emphasis on works used in business communication. This class is offered once a year.
Transfer Credit: CSU

CAOT 047 (2.00 Units)
APPLIED OFFICE PRACTICE
5.00 hours lab
Prerequisite: Completion of CAOT 2 with a letter grade of "C" or better.
Grading: Letter Graded
Students get practical experience in clerical office work.
Transfer Credit: Non Transferable

CAOT 061 (1.00 Units)
INTRODUCTION TO OFFICE MACHINES
2.00 hours lab
Grading: Letter Graded
This class teaches touch operating skills on the computer ten-key pad, emphasizing speed and accuracy. Same as Office Machines 001.
Transfer Credit: Non Transferable

CAOT 064 (1.00 Units)
COMPUTER APPLICATIONS AND OFFICE TECHNOLOGIES LABORATORY
2.00 hours lab
Corequisite: Concurrent enrollment in one of the following: CAOT 1, 2, 9, 21-23.
Grading: Pass/No Pass
This lab provides additional skill development practice in conjunction with one or more courses from CAOT 1-23.
Transfer Credit: CSU

CAOT 078 (3.00 Units)
MICROCOMPUTER ACCTG APPLICATIONS FOR THE ELECTRONIC OFFICE
2.00 hours lecture and 3.00 hours lab
Grading: Letter Graded
Acquaints students with the use of the microcomputer for bookkeeping and accounting applications in the electronic office. Students receive hands-on experience in analyzing business transactions, keeping records, preparing financial statements, and generating financial management reports using a microcomputer software package.
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
CAOT 079 (3.00 Units)
WORD PROCESSING APPLICATIONS
2.00 hours lecture and 3.00 hours lab
Grading: Letter Graded
Recommended: Completion of CAOT 084 with a letter grade of 'C' or better.
Students develop further skill in preparing a variety of business documents on a personal computer. Includes advanced techniques using Microsoft Word. Covers formats for letters, memos, reports, tables, outlines, form documents, graphics, desktop publishing, and merged documents. Prepares students for certification exam. DE**
Transfer Credit: CSU
Effective Spring 2016 (Approved: CC, Senate, CCCCO)

CAOT 082 (3.00 Units)
MICROCOMPUTER SOFTWARE SURVEY IN THE OFFICE
2.00 hours lecture and 3.00 hours lab
Grading: Letter Graded
Introduces commercially available software for business offices. Provides hands-on introduction to system, word processing, database, spreadsheets, and electronic mail software. No previous computer experience required. This course may not be taken for CIS credit. DE** Effective Summer 2015 (Approved: CC, Senate)
Transfer Credit: CSU

CAOT 084 (3.00 Units)
MICROCOMPUTER OFFICE APPLICATIONS: WORD PROCESSING
2.00 hours lecture and 3.00 hours lab
Grading: Letter Graded
Prerequisite: Satisfactory completion of a beginning keyboarding course. This course provides hands-on training in the latest Microsoft Word software and prepares students to take the Microsoft Certification Exam. It includes beginning, intermediate, and advanced levels of Microsoft Word. Instruction for this course is offered in the classroom and on-line to fit the busy schedule of students. DE** Effective Summer 2015 (Approved: CC, Senate)
Transfer Credit: CSU

CAOT 085 (3.00 Units)
MICROCOMPUTER OFFICE APPLICATIONS: SPREADSHEET
1.00 hour lecture and 4.00 hours lab
Recommended Preparation: Computer keyboarding ability.
Grading: Letter Graded
Course provides hands-on experience with spreadsheets. Students learn to create, edit, format and print worksheets, graphs, and reports. Covers use of formulas, functions and macros to analyze data and automate tasks. CAOT 85 may not be substituted for CIS 16. CIS 16 may not be substituted for CAOT 85. This class is offered once a year. Instruction for this course is offered in the classroom and on-line to fit the busy schedule of students.
Transfer Credit: CSU

CAOT 086 (3.00 Units)
MICROCOMPUTER OFFICE APPLICATIONS: DATABASE
1.00 hour lecture and 4.00 hours lab
Grading: Letter Graded
This course provides students with in-depth, hands-on training with office database applications. Students will design, implement and manage relational databases, and extract information from a database and output it in customized forms, reports, mailings and web pages. Prepares students for certification exam in Access. DE** Effective Summer 2015 (Approved: CC, Senate)
Transfer Credit: CSU

CAOT 088 (3.00 Units)
MICROCOMPUTER OFFICE APPLICATIONS: DESKTOP PUBLISHING
2.00 hours lecture and 3.00 hours lab
Recommended Preparation: Computer keyboarding ability.
Grading: Letter Graded
Course provides hands-on experience with desktop publishing software. Creation of advertisements, fliers, business forms, reports, newsletters, and presentations using accepted principles of design. Selection and use of desktop publishing hardware. Course may not be taken for CIS credit.
Transfer Credit: CSU

CAOT 110 (3.00 Units)
MICROCOMPUTER OFFICE APPLICATIONS: PRESENTATION DESIGN
2.00 hours lecture and 3.00 hours lab
Grading: Letter Graded
This course provides in-depth, hands-on training with PowerPoint software and an overview of presentation design principles. Students will create and deliver presentations incorporating outlines, templates, fonts, graphics, transitions, sound, and animation. Prepares students for the certification exam. Instruction for this course is offered in the classroom and on-line to fit the busy schedule of students. DE** Effective Summer 2015 (Approved: CC, Senate)
Transfer Credit: CSU

COMPUTER INFORMATION SYSTEMS

CO INFO 001 (3.00 Units)
PRINCIPLES OF BUSINESS COMPUTER SYSTEMS I
3.00 hours lecture and 1.00 hour lab
Grading: Letter Graded
This is an introduction to the principles and functioning of computer systems used in business. Topics pertain to operating systems, word processing, spreadsheet, database and Internet through hands-on assignments using the computer. This course does not teach keyboarding skills. DE** Effective Summer 2015 (Approved: CC, Senate)
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
CO INFO 007 (3.00 Units)  
INTRODUCTION TO MULTIMEDIA  
3.00 hours lecture  
Recommended Prerequisite: Completion of Computer Information Systems 1 or equivalent with a letter grade of 'C' or better.  
Corequisite: Concurrent enrollment in CIS 23 or 64.  
Grading: Letter Graded  
This course is intended to provide the student with the understanding of the capabilities and limitations of the multimedia technology, the planning process, the multimedia building blocks, the authoring process, and the distribution and playback of the application.  
Transfer Credit: CSU

CO INFO 008 (3.00 Units)  
MICROCOMPUTER APPLICATIONS  
3.00 hours lecture  
Recommended Prerequisite: Completion of Computer Information Systems 1 or equivalent with a letter grade of 'C' or better.  
Corequisite: CIS 23 or CIS 64.  
Grading: Letter Graded  
Provides in-depth hands-on training with Microsoft Office applications; Word, Excel, Access and PowerPoint. Covers concepts and operations needed to prepare for the certification exams in these products.  
Transfer Credit: CSU

CO INFO 009 (4.00 Units)  
NETWORK SYSTEM MANAGER  
3.00 hours lecture and 3.00 hours lab  
Recommended Prerequisite: Completion of Computer Information Systems 1 with a letter grade of 'C' or better or equivalent.  
Grading: Letter Graded  
This course introduces the components of Local Area Networks. It is designed to provide information and training in the use of LANs, their terminology and topologies.  
Transfer Credit: CSU

CO INFO 014 (3.00 Units)  
INTRODUCTION TO COMPUTER COMMUNICATIONS  
3.00 hours lecture  
Recommended Prerequisite: Completion of Computer Information Systems 1 or equivalent with a letter grade of 'C' or better.  
Grading: Letter Graded  
This course provides broad coverage of Internet and networking technology such as how the Internet works, connection methods, hardware and software installation and troubleshooting, protocols, infrastructure, security, e-commerce. Introduces web page creation with HTML, authoring tools, graphics, style sheets, and programming. Prepares students to take the industry standard iNet+ certification exam.  
DE** Effective Summer 2015 (Approved: CC, Senate)  
Transfer Credit: CSU

CO INFO 015 (3.00 Units)  
DATA BASE PROGRAMMING FOR MICROCOMPUTERS  
3.00 hours lecture  
Recommended Prerequisite: Completion of Computer Information Systems 1 with a letter grade of 'C' or better.  
Corequisite: Computer Information Systems 23 or 64.  
DE** Effective Summer 2015 (Approved: CC, Senate)  
Grading: Letter Graded  
This is a hands-on course in the design, implementation and maintenance of databases using SQL and the Management Studio. Students will use SQL queries to retrieve and modify data and calculate summaries. Covers the essential skills needed to develop databases for Microsoft SQL Server.  
Transfer Credit: CSU

CO INFO 016 (3.00 Units)  
SPREADSHEET APPLICATIONS FOR COMPUTERS  
3.00 hours lecture  
Recommended Prerequisite: Completion of Computer Information Systems 1 or equivalent with a letter grade of 'C' or better.  
Corequisite: CIS 23 or 64.  
Grading: Letter Graded  
This course provides students with in-depth, hands-on training with Excel spreadsheet software. Topics include formatting, formulas, functions, charting, drawing, workbooks, lists, what-if analysis, PivotTables, PivotCharts, interfacing with the Web and automating workbooks. Prepares students for certification exams in Excel.  
Transfer Credit: CSU

CO INFO 021 (3.00 Units)  
BUSINESS COMPUTER PROGRAMMING I  
3.00 hours lecture  
Recommended Prerequisite: Completion of Computer Information Systems 1 or equivalent with a letter grade of 'C' or better.  
Corequisite: Computer Information Systems 23 or 64.  
Grading: Letter Graded  
This is a beginning programming course using Visual Basic. It covers program design and event driven, object-oriented programming concepts. Topics specific to VB include objects and events, form design, control structures, arrays, (procedures and functions), file access and Web programs.  
Transfer Credit: CSU

CO INFO 023 (1.00 Units)  
PROGRAMMING LABORATORY  
2.00 hours lab  
Corequisite: Concurrent enrollment in a Computer Information Systems lecture course.  
Grading: Pass/No Pass  
If available, sign up for a lab taught by the same instructor as your other CIS class. Computers are used to complete assignments.  
Transfer Credit: CSU

DENotes:  
DE** indicates that this course may be offered as Distance Education  
TBA** indicates that this course may be offered in TBA format
CO INFO 024 (2.00 Units)
ACCOUNTING ON MICROCOMPUTERS
1.00 hour lecture and 3.00 hours lab
Recommended Prerequisite: Computer Information Systems 1 or equivalent
with a letter grade of “C” or better.
Grading: Letter Graded
Learn to use computerized accounting software to maintain accounting and
financial records for a business.
Transfer Credit: CSU

CO INFO 064 (1.00 Units)
MICROCOMPUTER LABORATORY
2.00 hours lab
Corequisite: Concurrent enrollment in a Computer Information Systems
lecture course.
Grading: Pass/No Pass
Students should take a lab taught by the instructor of your other CIS class.
Microcomputers are used to complete CIS assignments.
Transfer Credit: CSU

CO SCI 035 (3.00 Units)
PROGRAMMING FOR COMPUTER-TECHNICIANS
2.00 hours lecture and 3.00 hours lab
Recommended corequisite: CT 60, 61 or ET 49 or 50
and enrollment in CS 53.
BASIC and FORTRAN programming using microcomputers.
Grading: Letter Graded
This course introduces design, analysis, development, and implementation of
computer programs using a high level, object oriented programming language.
The focus is on analytic programming skills, problem solving, the design and
analysis of algorithms, and the software construction process.
Transfer Credit: CSU
Effective Winter 2015 (Approved: CC, Senate)

CO SCI 058 (3.00 Units)
COMPUTER LITERACY FOR THE LIBERAL ARTS STUDENT
2.00 hours lecture and 2.00 hours lab
Grading: Letter Graded
This course develops critical thinking skills as applied to technological
advances. Students will gain computer literacy by using the computer to
evaluate issues. Hands-on projects using Windows, Internet search and email,
Word, Excel, and PowerPoint.
Transfer Credit: UC/CSU

CO SCI 091 (3.00 Units)
BEGINNING BASIC PROGRAMMING
2.00 hours lecture and 2.00 hours lab
Prerequisite: Completion of Computer Science 058 with a grade of ‘C’ or
better.
Grading: Letter Graded
Introduction to problem solving methods and programming using Visual Basic
language. Fundamentals of event-driven, object oriented programming.
Transfer Credit: CSU

CO SCI 092 (3.00 Units)
HYPER-TEXT MARKUP LANGUAGE
2.00 hours lecture and 2.00 hours lab
Prerequisite: Completion of Computer Science 058 with a grade of ‘C’ or
better. This course introduces design and development of web sites with
HTML. These sites will incorporate media, links, tables, forms and current
standards. Design and layout will be enhanced with cascading style sheets.
Interactivity is added with Javascript.
Grading: Letter Graded
A course on designing and implementing an Internet Web site. Topics covered
include HTML through tables, image maps, frames and forms; usage of graphics
creation software for the Internet; techniques for using graphics in a web
site; and introduction to JavaScript and creating web site applications with
JavaScript. This class is offered once a year.
Transfer Credit: CSU

CO SCI 317 (3.00 Units)
BEGINNING MICRO ASSEMBLY LANGUAGE
2.00 hours lecture and 2.00 hours lab
Prerequisite: Computer Science 340 with a grade of ‘C’ or better.
Grading: Letter Graded
Students will see how high level language structures are implemented at the
machine level. The relationship between computer architecture and assembly
language instructions will be examined through projects written in Microsoft
Assembly Language. Data and instruction representation, addressing,
procedures, loops, decisions, stacks, macros, strings and floating point
operations will be expressed in coding activities.
Transfer Credit: UC/CSU

CO SCI 340 (3.00 Units)
PROGRAMMING IN C++
2.00 hours lecture and 2.00 hours lab
Recommended: Completion of Computer Science 344 with a grade of ‘C’
or better.
Grading: Letter Graded
This course provides an introduction to Computer Science and problem solving
with the C++ language. Students will design, implement, test and debug
programs. Topics include variables, data types, expressions, control structures,
functions and input/output.
Transfer Credit: UC/CSU
CO SCI 344 (3.00 Units)  
PROGRAMMING IN JAVA  
2.00 hours lecture and 2.00 hours lab  
ReCOMMENDED: Completion of Computer Science 340 with a grade of ‘C’ or better.  
Grading: Letter Graded  
This course provides an introduction to the discrete structures used in Computer Science with an emphasis on their applications. Topics include functions, relations and sets, basic logic, proof techniques, basics of counting, graphs, trees and discrete probability.  
Transfer Credit: UC/CSU  

CO SCI 360 (3.00 Units)  
INTRODUCTION TO DATA STRUCTURES  
2.00 hours lecture and 2.00 hours lab  
Prerequisite: Computer Science 340 with a grade of ‘C’ or better.  
Grading: Letter Graded  
In this second semester programming course, students apply software engineering techniques to design and develop larger algorithms and programs using data abstraction and data structures.  
Transfer Credit: CSU  

CO SCI 942 (3.00 Units)  
DISCRETE STRUCTURE  
2.00 hours lecture and 2.00 hours lab  
Prerequisite: Computer Science 340 with a grade of ‘C’ or better.  
Grading: Letter Graded  
This course is an introduction to the discrete structures used in Computer Science with an emphasis on their applications. Topics covered include: functions, relations and sets, basic logic, proof techniques, basics of counting, graphs, trees and discrete probability.  
Transfer Credit: UC/CSU  

COMPUTER TECHNOLOGY  

CO TECH 035 (3.00 Units)  
INTRODUCTION TO LINUX +  
2.00 hours lecture and 3.00 hours lab  
Grading: Letter Graded  
This course introduces the Linux Operating System for the standard PC as outlined by COMPTIA, in order to prepare students for Linux + Certification. Topics include Linux operating system, installation and configuration, and essential troubleshooting techniques to maintain a stable operating system or network. Students will develop Linux administrative skills by creating user groups, file systems and networks. A material fee of $15 is required.  
Transfer Credit: Non Transferable  

CO TECH 050 (4.00 Units)  
BASIC DC ELECTRONICS  
3.00 hours lecture and 3.00 hours lab  
Grading: Letter Graded  
Introduces basic direct current circuit analysis fundamentals to students entering the field of electronics. Lecture presents DC concepts through series and parallel circuits. Selected topics include, laboratory test equipment care and application, laboratory procedures and report preparation, component identification, interpretation of equipment specifications, technical problem solving techniques. Lecture is complemented with a 3-hour laboratory session whereby; experiments are utilized to reinforce lecture topics and concepts. Students are required to provide $15.00 material fee.  
Transfer Credit: CSU  

CO TECH 052 (4.00 Units)  
FUNDAMENTAL COMPUTER DIRECT CURRENT CIRCUITS AND LABORATORY  
3.00 hours lecture and 3.00 hours lab  
Prerequisite: Completion of Co Tech 050 with a grade of ‘C’ or better.  
Effective Winter 2015 (Approved: CC, Senate)  
Grading: Letter Graded  
This course presents the theory and application of direct current (DC) circuit analysis for series, parallel and complex circuits, as applied to computer circuits. Ohms Law, Kirchoff’s and network theorem analysis are emphasized in conjunction with resistive, capacitive, inductive and magnetic properties associated with combinational DC Circuit Analysis. A three hour per week laboratory accompanies the three hour lecture per week, in order to reinforce lecture and textbook theory and applications. Students prepare technical reports on their laboratory experiences. This course familiarizes students with basic test measuring equipment used in the computer industry. Students are required to provide a $10 materials fee.  
DE** Effective Winter 2015 (Approved: CC, Senate)  
Transfer Credit: CSU  

CO TECH 056 (4.00 Units)  
COMPUTER LOGIC AND ARITHMETIC  
3.00 hours lecture and 3.00 hours lab  
Prerequisite: Completion of Co Tech 050 with a grade of ‘C’ or better.  
Effective Summer 2015 (Approved: CC, Senate)  
Grading: Letter Graded  
This course covers the basic theory and application of logic circuitry as applied in digital computers. Boolean algebra, number systems, coding and decoding, truth tables, logic maps, basic logic gates, combinational logic circuits, flip/flop ops, arithmetic circuits, counters, registers, and concepts of storage devices are thoroughly discussed. The use of a digital trainer is used to reinforce these concepts and applications. In addition, technical report writing is emphasized.  
Transfer Credit: CSU  

CO TECH 060 (5.00 Units)  
COMPUTER MATHEMATICS I  
5.00 hours lecture  
Grading: Letter Graded  
This course in computer mathematics includes the operation of the calculator, signed numbers, powers of ten notation, operations with algebraic expressions, fractional expressions, functions, quadratic solutions, engineering and scientific notations, graphing and application of mathematics to technical applications.  
Transfer Credit: **CSU Non-transferable, Effective Spring 2015  

DE** indicates that this course may be offered as Distance Education  
TBA** indicates that this course may be offered in TBA format
**Course Descriptions**

Los Angeles Harbor College

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**CO TECH 061 (5.00 Units)**  
**COMPUTER MATHEMATICS II**  
5.00 hours lecture  
Prerequisite: A grade of 'C' or better in ET 49, or CT 60, or EL 10.  
Grading: Letter Graded  
This course in computer mathematics covers a review of algebraic concepts, powers of ten and scientific notation, metric system, algebraic expressions, algebraic equations, factoring equations containing fractions, function notations, graphing, special products and factors, exponents and radicals, quadratic equations, logarithmic equations, exponential equations, angles, complex numbers, triangles, trigonometric functions, solution of right triangles, trigonometric identities, phasors, complex operator, phasor algebra and applications of math to electronics.  
Transfer Credit: CSU

**CO TECH 074 (4.00 Units)**  
**A+ CERTIFICATION PREPARATION/ INTRO TO COMPUTER REPAIR I**  
3.00 hours lecture and 3.00 hours lab  
Grading: Letter Graded  
Personal computer (PC), hardware operating system characteristics and basic troubleshooting/repair techniques are introduced. Students will develop the ability to assemble/disassemble an operational PC, perform system upgrades, learn and perform reformating of HDDs and identify/replace malfunctioning hardware and peripheral devices. This is the first course for preparing students for A+ certification. A material fee of $15 is required.  
Transfer Credit: Non Transferable

**CO TECH 076 (4.00 Units)**  
**A+ CERTIFICATION PREPARATION/ INTRO TO COMPUTER REPAIR II**  
3.00 hours lecture and 3.00 hours lab  
Prerequisite: Completion of Computer Technology 74 with a grade of "C" or better.  
Grading: Letter Graded  
This course emphasizes hands-on training through a 3-hour lecture and a 3-hour laboratory session. Students are introduced to current operating systems utilized on personal computers (PC's) and portable PC's. Windows 2000, NT, XP and VISTA are evaluated in terms of their function, structure, operation and file management characteristics. Students learn techniques for installation, configuration, memory management and upgrading PC's. Diagnosing & troubleshooting operating systems is stressed in assigned lab projects. Students learn to set up basic networking systems, preventative maintenance practices & follow standard safety practices. Initial set up procedures for monitors & printers will be presented, in addition to troubleshooting & maintenance on these devices. A material fee of $15 is required.  
Transfer Credit: Non Transferable

**CO TECH 078 (4.00 Units)**  
**INTRODUCTION TO NETWORK +**  
3.00 hours lecture and 3.00 hours lab  
Recommended Prerequisite: Completion of Computer Technology 075 with a grade of "C" or better.  
Grading: Letter Graded  
This course is structured to provide Networking fundamentals outlined by COMPTIA, in order to prepare students to become NETWORK + Certified. Topics presented during lectures/labs include: Networking Fundamentals, OSI models & TCP/IP, Installations, Network Administration, Security, Troubleshooting, Fault Tolerance and Recovery.  
Transfer Credit: Non Transferable  
Effective Summer 2015 (Approved: CC, Senate)

**CO TECH 080 (4.00 Units)**  
**INTRODUCTION TO SERVER +**  
3.00 hours lecture and 3.00 hours lab  
Grading: Letter Graded  
This course introduces the Network Server fundamentals outlined by COMPTIA, in order to prepare students to become SERVER + Certified. Topics include advanced PC hardware SCSI, RAID, multiple CPUs, and I/O subsystems. Activities and complex problems involved in server configuration, maintenance and repair are emphasized. A material fee of $10 is required.  
Transfer Credit: Non Transferable

**CO TECH 081 (1.00 Units)**  
**INTRODUCTION TO FIBER OPTICS**  
3.00 hours lab  
Grading: Letter Graded  
This course provides students with advanced laboratory experiences in fiber optic technology. Topics include: fiber optic connections and patch panels, splicing techniques, OTDR testing and measurements, techniques and procedures for fiber optic cabling termination, troubleshooting and documentation for fiber optic systems. A 'hands-on' laboratory emphasizing correct fiber optic fabrication techniques and test equipment use, common in the computer & telecommunications industry. A material fee of $75 is required.  
Skills Certificate Available.  
Transfer Credit: Non Transferable

**CO TECH 114 (3.00 Units)**  
**NETWORK SECURITY FUNDAMENTALS**  
2.00 hours lecture and 3.00 hours lab  
Prerequisite: Completion of Computer Technology 078 with a grade of "C" or better.  
Grading: Letter Graded  
This course provides instruction and hands-on training in computer basic security principles, methods of establishing security baselines, and the most recent attack/defense techniques and technologies. In addition the course helps students prepare for CompTIA's examination and other professional security certification.  
Transfer Credit: Non Transferable

DE** indicates that this course may be offered as Distance Education  
TBA** indicates that this course may be offered in TBA format
CO TECH 185 (1.00 Units)
DIRECTED STUDY - COMPUTER TECHNOLOGY
1.00 hour lecture
Prerequisite: Previous or concurrent enrollment in a CT course.
Grading: Pass/No Pass
Permits students to pursue directed study activities in computer technology, on a contract basis, under the supervision of the assigned instructor.
Transfer Credit: CSU

CO TECH 285 (2.00 Units)
DIRECTED STUDY - COMPUTER TECHNOLOGY
2.00 hours lecture
Prerequisite: Previous or concurrent enrollment in a CT course.
Grading: Pass/No Pass
Permits students to pursue directed study activities in computer technology, on a contract basis, under the supervision of the assigned instructor.
Transfer Credit: CSU

COOPERATIVE EDUCATION

COOP ED 395 (3.00 Units)
WORK EXPERIENCE - GENERAL I
3.00 hours lecture
Grading: Letter Graded
Prerequisite: For General Work Experience classes: Students must be enrolled at Harbor College in 7 units of credit including work experience. Student is enrolled for 3 units at registration. However, the number of units awarded is determined by the hours worked - 1 unit for each 5 hours of work per week throughout the semester to a maximum of three (3) units per semester. Work experience need not be related to student’s vocational major at Harbor College.
Transfer Credit: CSU

COUNSELING

Effective Fall 2015, Personal Development class titles have been changed to Counseling.

COUNSEL 002 (1.00 Units)
INTERPERSONAL RELATIONSHIPS
1.00 hour lecture
Grading: Letter Graded
This course enhances interpersonal skills for building effective communication for personal and professional growth. It utilizes group dynamics by enhancing self-esteem through self-awareness, acceptance, ability to listen and workplace habits. An honest appraisal of individual strengths and weaknesses is made in an effort to help remove barriers to social and academic growth.
Transfer Credit: CSU

COUNSEL 004 (1.00 Units)
CAREER PLANNING
1.00 hour lecture
Grading: Letter Graded
This class will cover career planning and job seeking skills.
DE** Effective Summer 2015 (Approved: CC, Senate)
Transfer Credit: CSU

COUNSEL 017 (1.00 Units)
COLLEGE SURVIVAL SKILLS DEVELOPMENT
1.00 hour lecture
Grading: Letter Graded
Personal Development 17 is open to all students, and is required of all new EOPS students. Course covers time management, study skills, self-esteem, stress management, test taking, and campus services.
DE** Effective Summer 2015 (Approved: CC, Senate)
Transfer Credit: UC/CSU

COUNSEL 020 (3.00 Units)
POST-SECONDARY EDUCATION: THE SCOPE OF CAREER PLANNING
3.00 hours lecture
Grading: Letter Graded
This course provides students with the information to make appropriate educational, career and lifestyle choices. Topics examined include educational programs and their requirements, career resources and the career decision-making process, study skills and the elements of a healthy lifestyle. Students will design their own individualized educational plans.
DE** Effective Summer 2015 (Approved: CC, Senate)
Transfer Credit: UC/CSU

CULINARY ARTS

CLN ART 113 (3.00 Units)
CULINARY SKILLS I
2.00 hours lecture and 4.00 hours lab
Grading: Letter Graded
Master fundamental concepts, skills, and techniques in basic cookery. Emphasis is on ingredients, cooking theories, and procedures in the preparation of meats, fish, poultry, stocks, soups, grand and compound sauces, vegetables, starches. Acquire organizational skills, work coordination and knife skills.
Transfer Credit: CSU

CLN ART 114 (2.00 Units)
AROMATIC
6.00 hours lab
Grading: Letter Graded
In depth study of the history and purposes of herbs and spices in the context of world flavor profiles. Emphasis is on developing a sense of taste for herbs, spices, blends and condiments, determining when and how much to use.
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format

Course Descriptions * 147
CLN ART 115 (2.00 Units)  
FOOD FABRICATION  
1.00 hour lecture and 3.00 hours lab  
Grading: Letter Graded  
Participants learn how to fabricate meats, fish and poultry into portion-size cuts. Emphasis is on hotel and restaurant cuts, quality, yield, grading and costing the fabricated cuts.  
Transfer Credit: CSU

CLN ART 116 (2.00 Units)  
PRODUCT IDENTIFICATION AND PURCHASING  
1.00 hour lecture and 3.00 hours lab  
Grading: Letter Graded  
Participants focus primarily on meats, fish, poultry, vegetables, fruits, herbs, spices, groceries, dairy, paper and other products; learn how to recognize foods by their appearance, smell, texture and taste; cover purchasing cycle and quality and quantity control.  
Transfer Credit: CSU

CLN ART 117 (3.00 Units)  
FOOD SANITATION AND SAFETY  
2.00 hours lecture and 3.00 hours lab  
Grading: Letter Graded  
Introduction to food and environmental sanitation and safety in the food production area. Focus on food-borne illnesses; origins; food handling, receiving and storage practices; pest management and other safety procedures in the food service industry. Fulfills Servsafe certification.  
Transfer Credit: CSU

CLN ART 123 (3.00 Units)  
CULINARY SKILLS II  
1.00 hour lecture and 6.00 hours lab  
Grading: Letter Graded  
This course reinforces knowledge, skills and techniques of basic cooking. Vegetable, starch, stock, soup and sauce cookery are investigated and produced. This course will also develop skills and techniques used in preparing, plating, and serving main course dishes.  
Transfer Credit: CSU

CLN ART 124 (3.00 Units)  
MENU PLANNING AND NUTRITION  
2.00 hours lecture and 3.00 hours lab  
Grading: Letter Graded  
This course emphasizes menu planning for a variety of commercial and institutional foodservice operations. Layout and design of the printed menus are studied. Basic nutrition principles and theories for various dietary groups are investigated. Healthful foods that are pleasing both to the eyes and the palate will be prepared to cater to the growing number of health-minded customers.  
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education  
TBA** indicates that this course may be offered in TBA format

CLN ART 125 (3.00 Units)  
BREAKFAST AND LUNCH COOKERY  
1.00 hour lecture and 6.00 hours lab  
Grading: Letter Graded  
This course covers basic skills needed to prepare breakfast and lunch in a foodservice operation. Organization, maintaining a smooth workflow on the line, the presentation and garnishing of foods, basic method of egg cookery, various quick breads, grains, breakfast beverages, potatoes, meats, and fish are emphasized. A variety of contemporary lunch items are prepared and served in a casual operation. Emphasis is on quality food presentation, quantity food production, and timing.  
Transfer Credit: CSU

CLN ART 126 (3.00 Units)  
BAKING SKILLS  
2.00 hours lecture and 3.00 hours lab  
Grading: Letter Graded  
This course introduces basic principles of baking. Students create yeast dough, quick breads, doughnuts, fritters, pancakes and waffles, pies, cakes, cookies, custards, puddings, mousses, and soufflés. Functions of primary ingredients used in baking are also studied.  
Transfer Credit: CSU

CLN ART 133 (3.00 Units)  
ADVANCE GARDE MANGER  
1.00 hour lecture and 6.00 hours lab  
Grading: Letter Graded  
This course is a comprehensive look at the cold kitchen. Included will be the study and preparation of classic and contemporary salads; appetizers; canapes; cured meats; and classic charcuterie including sausage making, pates, galantines, and ballotines. Vegetable/fruit carvings and salt/ice carvings will be created to enhance buffet and banquet presentations. Course emphasis is on visual presentation, taste, and teamwork in the cold kitchen.  
Transfer Credit: CSU

CLN ART 134 (3.00 Units)  
CLASSIC AND CONTEMPORARY CUISINE  
1.00 hour lecture and 6.00 hours lab  
Grading: Letter Graded  
This course introduces classic and contemporary cuisine in a fine dining restaurant setting. Correct application of culinary skills including, plate presentation, organization, and timing in the production of a prix-fixe and a la carte menu will be practiced. Escoffier’s Guidelines and contemporary chefs’ philosophies are explored and examined in light of today’s understanding of food, nutrition, and presentation.  
Transfer Credit: CSU
CLN ART 135 (3.00 Units)
DINING ROOM AND BEVERAGE MANAGEMENT
1.00 hour lecture and 6.00 hours lab
Grading: Letter Graded
The principles of service in a variety of types of restaurants will be emphasized. Food, wine, and spirits are studied from the standpoint of merchandising and sales. Exposure to tabletop design, American restaurant trends and sales, reservation systems, inventory, cost management and dining room and beverage management will complete the service course. The course will prepare students to take the 'Serv-Safe Alcohol' exam for the State of California.
Transfer Credit: CSU

CLN ART 136 (3.00 Units)
RESTAURANT MANAGEMENT
2.00 hours lecture and 3.00 hours lab
Grading: Letter Graded
This course will identify the crucial elements and relationships involved in the successful operation of a restaurant. The skills required by the restaurant manager to bring together the customer, operation, and employees to create positive results will also be studied.
Transfer Credit: CSU

DANCE STUDIES

DANCEST 805 (3.00 Units)
HISTORY AND APPRECIATION OF DANCE
3.00 hours lecture
Grading: Letter Graded
Prerequisite: Completion of English 028 and English 067 with a grade of "C" or better.
An introduction to dance exploring its many forms and purposes including social ethnic, ritual, art and therapy. Opportunities to observe, study, experience and discuss dance and to understand how dance influences our culture.
Transfer Credit: UC/CSU

DANCE TECHNIQUES

DANCETQ 141 (1.00 Units)
MODERN DANCE TECHNIQUES I
2.00 hours lab
Grading: Letter Graded
This course is an introduction to the fundamentals of modern dance techniques, dance combinations and dance vocabulary. Proficiency in correct body alignment, carriage and basic muscle terminology is emphasized.
Transfer Credit: CSU

DEVELOPMENTAL COMMUNICATIONS

DEV COM 020 (6.00 Units)
FUNDAMENTALS OF READING AND WRITING
6.00 hours lecture
Prerequisite: Completion of Developmental Communications 35 with a grade of "C" or better or appropriate score on assessment test.
Grading: Letter Graded
This course prepares students for English 21 with an emphasis on the mastery of basic reading and writing skills needed for college transfer and vocational programs.
Transfer Credit: Non Transferable

DEV COM 035 (3.00 Units)
READING I: FUNDAMENTALS
3.00 hours lecture
Grading: Letter Graded
The purpose of this course is improvement of college reading and study skills with an emphasis on reading comprehension, reading rate and vocabulary.
Transfer Credit: Non Transferable

DEV COM 037 (3.00 Units)
COMMUNICATIONS LABORATORY
9.00 hours lab
Grading: Pass/No Pass
Recommended: Concurrent enrollment in Developmental Communications 23 or 35 or 76. This class is open-entry. Self-paced individualized instruction to improve reading and study skills.
Transfer Credit: Non Transferable

DEV COM 037Y (1.00 Units)
COMMUNICATIONS LABORATORY
3.00 hours lab
Recommended: Concurrent enrollment in Developmental Communications 23 or 35 or 76.
Grading: Pass/No Pass
This class is open-entry. Self-paced individualized instruction to improve reading and study skills.
Transfer Credit: Non Transferable

DEV COM 037Z (2.00 Units)
COMMUNICATIONS LABORATORY
6.00 hours lab
Grading: Pass/No Pass
Recommended: Concurrent enrollment in Developmental Communications 23 or 35 or 76. This class is open-entry. Self-paced individualized instruction to improve reading and study skills.
Transfer Credit: Non Transferable

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format

2014-2016 General Catalog  Course Descriptions  *  149
DEV COM 076 (3.00 Units)
ENGLISH AS A SECOND LANGUAGE READING
- CONVERSATION II
3.00 hours lecture
Grading: Letter Graded
Designed for students whose native language is NOT English. Emphasis is on the improvement of reading, vocabulary, conversation, and correct pronunciation.
Transfer Credit: Non Transferable

DRAFTING

DRAFT 001 (3.00 Units)
GENERAL DRAFTING
6.00 hours lab
Grading: Letter Graded
Sketching and drafting techniques for beginners. Includes orthographics, dimensioning, sectioning, auxiliaries, isometrics, screw threads and assemblies. Students are required to provide $15.00 worth of instructional and other materials in order to complete this class.
Transfer Credit: CSU

DRAFT 004 (4.00 Units)
APPLIED DESCRIPTIVE GEOMETRY
2.00 hours lecture and 4.00 hours lab
Prerequisite: Completion of Drafting 009 with a grade of “C” or better.
Grading: Letter Graded
This course contains a thorough applied descriptive geometry unit which includes advanced auxiliary projection, definitions, and solutions of lines and planes, revolution, intersections, and developments of planes and solids. Contour lines, topography, and vector analysis are introduced. Cam mechanisms are also reviewed.
Transfer Credit: CSU

DRAFT 006 (3.00 Units)
TECHNOLOGY AND SOCIETY
3.00 hours lecture
Grading: Letter Graded
This course will explore the interrelationships between technology and society. Topics include social factors that impact technology (historical, political, economic, ethical and environmental), and the ways in which technology affects society. This course is appropriate for students in both technical and non-technical majors.
Transfer Credit: CSU

DRAFT 009 (3.00 Units)
MECHANICAL DRAFTING
6.00 hours lab
Prerequisite: Completion of Drafting 001 and Drafting 050 with grades of “C” or better.
Recommended corequisite: Concurrent enrollment in Drafting 051.
Grading: Letter Graded
This course reviews primary and introduces secondary auxiliary projection. It investigates and applies limits and fits and geometrical tolerancing (ANSI Y14.5) in tolerance studies. Bearings and retaining ring designs are incorporated in layouts and ink drawings. Technical illustration including axonometric projection and perspectives is included. Combined graphical and mathematical solutions to design problems are required throughout. The student is required to prepare a professional type resume.
Transfer Credit: CSU

DRAFT 016 (2.00 Units)
BLUEPRINT READING I
1.00 hour lecture and 2.00 hours lab
Grading: Letter Graded
Interpretation of multi-view mechanical drawings prepared by various companies within the industry.
Transfer Credit: CSU

DRAFT 017 (2.00 Units)
BLUEPRINT READING II
1.00 hour lecture and 2.00 hours lab
Prerequisite: Completion of Drafting 016 with a grade of “C” or better.
Grading: Letter Graded
Interpreting advanced mechanical drawings.
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
design as well as aircraft and spacecraft structural design. The emphasis is placed on applied stress analysis and properties of metals as found in Mil-Hdbk-5 and S.A.E. handbooks. Students verify their analysis by testing sample parts in the structural test laboratory. Design layouts and models are created by the students.

Transfer Credit: CSU

DRAFT 055 (3.00 Units)
COMPUTER-AIDED DESIGN AND DRAFTING
2.00 hours lecture and 3.00 hours lab
Prerequisite: Completion of one year of high school drafting or equivalent.
Grading: Letter Graded
Students operate computer aided drafting (CAD) equipment, prepare drawings on a CRT, and produce commercial quality drawings using plotters. Auto CAD language is used. A basic drafting competency test is administered at the first meeting. Students are required to provide $5.00 worth of instructional and other materials in order to complete this class.
Transfer Credit: UC/CSU

DRAFT 056 (3.00 Units)
AUTOMATED MANUFACTURING
2.00 hours lecture and 3.00 hours lab
Prerequisite: Completion of Drafting 050 with a grade of 'C' or better.
Corequisite: Concurrent enrollment in Drafting 082
Grading: Letter Graded
Course introduces the student to the fundamentals and principles of Computer Numerical Control (CNC) as applied to mills and lathes using MasterCAM. Students are required to provide $15.00 worth of instructional and other materials in order to complete this class.
Transfer Credit: CSU

DRAFT 081 (1.00 Units)
PROJECTS LABORATORY
3.00 hours lab
Prerequisite: Completion of Drafting 009 and 056 with grades of "C" or better.
Grading: Letter Graded
Advanced industry-simulated problems requiring the application of previously-learned skills.
Transfer Credit: CSU

DRAFT 082 (2.00 Units)
CAD DRAFTING LABORATORY
6.00 hours lab
Prerequisite: Concurrent enrollment in Drafting 004, 009, 050, 051, 052, 055, or 056.
Grading: Letter Graded
Use of computers and drafting equipment to complete assignments.
Transfer Credit: CSU

ECONOMICS

ECON 001 (3.00 Units)
PRINCIPLES OF ECONOMICS I
3.00 hours lecture
Prerequisites: Mathematics 115 or 123A and B (Elementary Algebra)
Recommended prerequisite: Mathematics 125 (Intermediate Algebra)
Recommended prerequisite: Economics 2 should be taken prior to Economics 1
Grading: Letter Graded
This course is an introduction to the principles of economic analysis and economic policy. Emphasis is placed on the micro, or price and market approach, with special emphasis on the allocation of resources and the distribution of income through the price system.
Transfer Credit: UC/CSU
Effective Winter 2015 (Approved: CC, Senate)

ECON 002 (3.00 Units)
PRINCIPLES OF ECONOMICS II
3.00 hours lecture
Prerequisites: Mathematics 115 or 123A and B (Elementary Algebra)
Advisories: Mathematics 123C or 125 (Intermediate Algebra)
Recommended: Economics 2 should be taken prior to Economics 1
Grading: Letter Graded
This course is an introduction to the principles of economic analysis and economic policy. Emphasis is placed on the macro or national approach, with special attention given to aggregate economics, money, banking and national income. The course explores the problems of unemployment, inflation, and governmental policies related to these problems. Note: ECON 001 is not a prerequisite for this course. Students who plan on taking both are advised to take ECON 002 first
Transfer Credit: UC/CSU
Effective Winter 2015 (Approved: CC, Senate)

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
ELECTRONICS

ELECTRN 004 (4.00 Units)
FUNDAMENTALS OF ELECTRONICS I
3.00 hours lecture and 3.00 hours lab
Grading: Letter Graded
This course presents the theory and application of direct current (DC) circuit analysis for series, parallel and complex circuits, as applied to computer circuits. Ohms Law, Kirchoff's and network theorem analysis are emphasized in conjunction with resistive, capacitive, inductive and magnetic properties associated with combinational DC Circuit Analysis. A three hour per week laboratory accompanies the three hour lecture per week, in order to reinforce lecture and textbook theory and applications. Students prepare technical reports on their laboratory experiences. This course familiarizes students with basic test measuring equipment. A $10 laboratory materials fee is required to complete this course.
Transfer Credit: Non Transferable

ELECTRN 005 (1.00 Units)
FUNDAMENTALS OF ELECTRONICS I LABORATORY
3.00 hours lab
Prerequisite: Completion of Electronics 004 with a grade of "C" or better.
Grading: Letter Graded
This laboratory course introduces the theory and application of electronic control systems, use of restraints in ladder logic diagrams, actuators, digital sensors, end effectors, process control, pneumatic systems, personal computer integrated systems and interfacing.
Transfer Credit: Non Transferable

ELECTRN 006 (4.00 Units)
FUNDAMENTALS OF ELECTRONICS II
3.00 hours lecture and 3.00 hours lab
Prerequisite: A grade of "C" or better in electronics 4 and 16.
This course presents the theory and application of direct current (DC) circuit analysis for series, parallel and complex circuits. Ohms Law, Kirchoff's and network theorem analysis are emphasized in conjunction with resistive, capacitive, inductive and magnetic properties associated with combinational DC Circuit Analysis. A 3-hour per week laboratory accompanies the 3-hour lecture per week, in order to reinforce lecture and textbook theory and applications. Students prepare technical reports on their laboratory experiences. This course familiarizes students with basic test measuring equipment. Effective Summer 2016 (Approved: CC, Senate)
Grading: Letter Graded
Transfer Credit: CSU

ELECTRN 007 (1.00 Units)
FUNDAMENTALS OF ELECTRONICS II LABORATORY
3.00 hours lab
Prerequisite: Completion of Electronics 004, 006 and 016 with a grade of "C" or better.
Grading: Letter Graded
This laboratory course provides additional self-paced experimental study of alternating current theory in Electronics 6. Experiments are performed with such test equipment as signal generators, time-base oscilloscopes, impedance bridge, EVM, and AC RMS meters.
Effective Summer 2016 (Approved: CC, Senate)
Transfer Credit: CSU

ELECTRN 016 (5.00 Units)
SELECTED ELEMENTS OF ELECTRONICS MATHEMATICS
5.00 hours lecture
Prerequisite: A grade of 'C' or better in Engineering Technology 49.
Grading: Letter Graded
This course in electronic mathematics covers a review of algebraic concepts, powers of ten and scientific notation, metric system, algebraic expressions, algebraic equations, factoring equations containing fractions, function notations, graphing, special products and factors, exponents and radicals, quadratic equations, logarithmic equations, exponential equations, angles, complex numbers, triangles, trigonometric functions, solution of right triangles, trigonometric identities, phasors, complex operator, phasor algebra and applications of math to electronics.
Transfer Credit: CSU

ELECTRN 020 (4.00 Units)
ELECTRONIC CIRCUITS I
3.00 hours lecture and 3.00 hours lab
Recommended: Concurrent enrollment in Engineering Technology 49.
Grading: Letter Graded
Introduces basic direct current circuit analysis fundamentals to students entering the field of electronics. Lecture presents DC concepts through series parallel circuits. Selected topics include, laboratory test equipment care and application, laboratory procedures and report preparation, component identification, interpretation of equipment specifications, technical problem solving techniques. Lecture is complemented with a 3-hour laboratory session whereby; experiments are utilized to reinforce lecture topics and concepts. Students are required to provide $10.00 worth of instructional and other material fees.
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
ELECTRN 022 (4.00 Units)  
ELECTRONIC CIRCUITS II  
3.00 hours lecture and 3.00 hours lab  
_Prerequisite:_ A grade of "C" or better in Electronics 6.  
_Grading:_ Letter Graded  
This course covers (through lecture, discussion, and laboratory) semiconductor devices and their application to computer circuits with emphasis on linear circuits, including heat sink theory and evaluation, and the analysis of rectifier and amplifier circuits (including H-Parameters). Methods of testing and troubleshooting these devices are evaluated using standard lab test equipment, (curve tracers, LCR bridge, x-y plotter and AC voltmeters). In addition, technical report writing is emphasized on concepts learned through experimentation.  
Transfer Credit: CSU

ELECTRN 054 (4.00 Units)  
COMPUTER LOGIC  
3.00 hours lecture and 3.00 hours lab  
_Grading:_ Letter Graded  
This course covers the basic theory and application of logic circuitry as applied in digital computers. Boolean algebra, number systems, coding and decoding, truth tables, logic maps, basic logic gates, combinational logic circuits, flip/flops, arithmetic circuits, counters, registers, and concepts of storage devices are thoroughly discussed. The use of a digital trainer is used to reinforce these concepts and applications. In addition, technical report writing is emphasized.  
Transfer Credit: CSU

EMERGENCY DEPARTMENT ASSISTANT

E D A 010A (6.00 Units)  
EMERGENCY MEDICAL TECHNICIAN IA  
AMBULANCE  
6.00 hours lecture  
_This course is offered in two modules. Module A (lecture) and Module B (Lab) must be taken concurrently. Eligibility for English 101 is recommended preparation for Module A. For Module B, a valid American Heart Association Healthcare Provider BCLS card must be presented to the instructor on the first day of class._  
_Grading:_ Letter Graded  
The primary focus of this course is to provide basic emergency medical care and transportation for critical and emergent patients who access the emergency medical system. Upon the successful completion of Modules 10A and 10B, the student will be eligible to take the National Registry Emergency Medical Technician (EMT) examination. This course is approved by the Los Angeles County Emergency Medical Services Agency. Must be able to provide a clear background check prior to clinical experiences and meet health requirements.  
Transfer Credit: Non Transferable

E D A 010B (2.00 Units)  
EMERGENCY MEDICAL TECHNICIAN IB  
AMBULANCE  
4.00 hours lab  
_This course is offered in two modules. Module A (lecture) and Module B (Lab) must be taken concurrently. Eligibility for English 101 is recommended preparation for Module A. For Module B, a valid American Heart Association Healthcare Provider BCLS card must be presented to the instructor on the first day of class._  
_Grading:_ Pass/No Pass  
This course allows students to practice and perform the psychomotor skills within the EMT scope of practice to include airway and breathing, cardiovascular and pharmacological interventions, and trauma care. A 20-hour clinical experience is a required part of this course. Must be able to provide clear background check prior to clinical experiences and meet health requirements.  
Transfer Credit: Non Transferable

ENGINEERING TECHNICIAN

ENG TEK 035 (3.00 Units)  
PROGRAMMING FOR TECHNICIANS  
2.00 hours lecture and 3.00 hours lab  
_Recommended:_ Enrollment in ET 49, or ET 50 and CS 53.  
_Introduction to Basic and Fortran programming using microcomputers._  
_Grading:_ Letter Graded  
This course introduces the Basic programming language using elementary techniques to simplify the transition to the more sophisticated language Visual Basic. Visual Basic is widely used in many industrial technical applications.  
Transfer Credit: Non Transferable

ENG TEK 049 (5.00 Units)  
TECHNICAL MATHEMATICS II  
5.00 hours lecture  
_Grading:_ Letter Graded  
This course in technical mathematics includes the operation of the calculator, signed numbers, powers of ten notation, operations with algebraic expressions, fractional expressions, functions, quadratic solutions, engineering & scientific notation, graphing, and application of mathematics to technical applications. Successful completion of this class (C or better), meets the math competency requirement for graduation under plans A and B for continuing students through spring 2009.  
Transfer Credit: Non Transferable

ENG TEK 050 (5.00 Units)  
TECHNICAL MATHEMATICS III  
5.00 hours lecture  
_Prerequisite:_ A grade of ‘C’ or better in Engineering Technician 49 or Computer Technology 60.  
_Grading:_ Letter Graded  
This course in technical mathematics covers a review of algebraic concepts, powers of ten and scientific notation, metric system, algebraic expressions, algebraic equations, factoring equations containing fractions, function notations, graphing, special products and factors, exponents and radicals, quadratic equations, logarithmic equations, exponential equations, angles,
complex numbers, triangles, trigonometric functions, solution of right triangles, trigonometric identities, phasors, complex operator, phasor algebra and applications of math to electronics.
Transfer Credit: CSU

ENG TEK 081 (1.00 Units)  
FABRICATION TECHNIQUES  
2.00 hours lab  
Grading: Letter Graded  
This course provides laboratory experience in fabrication principles utilized in the electronics & computer technology fields. Topics included are familiarization & usage of hand tools, sheet metal tools, soldering techniques, RJ-45 connectors, drilling/tapping procedures, and fabricating enclosures to specs. Students learn to use vernier calipers, corner notchers, pan & brake, drill press, band saw and belt sanders. Students complete lab projects to demonstrate their proficiency in basic fabrication techniques. A $15.00 material fee is required.  
Transfer Credit: CSU

ENG GEN 081 (3.00 Units)  
ENGINEERING, GENERAL  
INTRODUCTION TO ENGINEERING DRAFTING  
1.00 hour lecture and 5.00 hours lab  
Prerequisite: Completion of Engineering General 912 with a grade of ‘C’ or better, or one year of high school or college drafting.  
Grading: Letter Graded  
Applies drafting to the latest microfilm and ANSI regulations. Includes geometrical tolerancing, screw threads, gears, castings, auxiliaries and metric conversion using Solid Works. Students are required to provide $15.00 worth of instructional and other materials.  
Transfer Credit: UC/CSU

ENG GEN 112 (3.00 Units)  
ENGINEERING DESCRIPTIVE GEOMETRY  
1.00 hour lecture and 5.00 hours lab  
Prerequisites: Completion of Engineering General 111 and Mathematics 265 with a grade of ‘C’ or better, or concurrent enrollment in Mathematics 265.  
Grading: Letter Graded  
This course in graphical representation applies the fundamental principles of lines, planes, revolutions, vectors, and development of surfaces. Special emphasis is placed on the ability to visualize and solve three-dimensional problems found in various areas of engineering. An introduction to nomographic techniques is included.  
Transfer Credit: UC/CSU

ENG GEN 243 (4.00 Units)  
STATICS AND STRENGTH OF MATERIALS (CALCULUS BASED)  
3.00 hours lecture and 3.00 hours lab  
Prerequisite or corequisite: General Engineering 112.  
Grading: Letter Graded  
This course provides experience in solving machine and structural design problems. Principles of statics and strength of materials are applied to machine design as well as aircraft and spacecraft structural design. The emphasis is placed on applied stress analysis and properties of metals as found in Mil-Hdbk-5 and S.A.E. handbooks. Students verify their analysis by testing sample parts in the structural test laboratory. Design layouts and models are created by the students.  
Transfer Credit: UC/CSU

ENG GEN 912 (3.00 Units)  
ELEMENTARY ENGINEERING DRAFTING  
1.00 hour lecture and 5.00 hours lab  
Grading: Letter Graded  
Prerequisites: None. Sketching and drafting techniques for beginners. Includes orthographics, dimensioning, sectioning, auxiliaries, isometrics, screw threads and assemblies. Also covers metric. Students are required to provide $5.00 worth of instructional and other materials in order to complete this class.  
Transfer Credit: Non Transferable

ENGINEERING, GENERAL TECHNOLOGY

EGT 028 (3.00 Units)  
TECHNOLOGY AND SOCIETY  
3.00 hours lecture  
Grading: Letter Graded  
Interrelationship between technology and society. This course will explore the interrelationships between technology and society. Topics include social factors that impact technology (historical, political, economic, ethical and environmental), and the ways in which technology affects society. This course is appropriate for students in both technical and non-technical majors.  
Transfer Credit: CSU

EGT 101 (3.00 Units)  
INTRODUCTION TO NANOTECHNOLOGY  
3.00 hours lecture  
Grading: Letter Graded  
Effective Winter 2015 (Approved: CC, Senate)

ENGLISH

ENGLISH 021 (3.00 Units)  
ENGLISH FUNDAMENTALS  
3.00 hours lecture  
Prerequisite: Completion of Developmental Communications 20 with a grade of ‘C’ or better or appropriate score on assessment test.  
Grading: Pass/No Pass  
English 21 is an entry-level course which emphasizes improvement of writing skills, including grammar, punctuation, paragraph and short essay development. This is a pass/no pass class.  
Transfer Credit: Non Transferable

DE** indicates that this course may be offered as Distance Education  
TBA** indicates that this course may be offered in TBA format
**English Course Sequence**

**English as a Second Language Course Sequence**
*(English ESL Sequence)*

- **ESL 3**
- **ESL 2**
- **ESL 1**

- **English 84**
  5 units
  For students whose native language is not English
  Non-Degree Applicable

- **English 85**
  5 units
  For students whose native language is not English
  CSU Transferable

- **English 86**
  5 units
  For students whose native language is not English
  UC:CSU Transferable

**Literature Courses**
*Transfer to UC & CSU*

- English 102  College Reading & Composition II
- English 203/204  World Literature I & II
- English 205/206  English Literature I & II
- English 207/208  American Literature I & II
- English 209  California Literature
- English 214  Contemporary Literature
- English 215  Shakespeare I
- English 218  Children’s Literature (not UC transferable)
- English 219  Literature of American Ethnic Groups
- English 234  Afro-American Literature
- English 239  Women in Literature
- English 240/241  Literature & the Motion Picture I & II
- English 251  The Short Story

**English Course Sequence**
*(English ENL Sequence)*

- **Developmental Communications 35**
  3 units
  Reading Fundamentals
  Non-Degree Applicable

- **Developmental Communications 20**
  6 units
  Reading & Writing Skills
  Non-Degree Applicable

- **English 21 or 73**
  3 units
  Credit/Non-Credit
  English Fundamentals
  Non-Degree Applicable

- **English 28 or 31**
  3 units / 5 units
  Intermediate Composition & Critical Reading
  AA/AS Degree

- **English 101**
  3 units
  Freshman English. College Reading & Composition I
  UC:CSU Transferable

**Important Notice:**
All new students must take an English assessment exam prior to enrolling in any English course. Following the initial placement, students advance in the sequence by successfully completing the course with a grade of “C” or better, not by retesting. *The English Department does not offer credit by examination.*
ENGLISH 028 (3.00 Units)
INTERMEDIATE READING AND COMPOSITION
3.00 hours lecture
Prerequisite: Completion of English 21 or English 73 with a grade of ‘P’ or appropriate score on assessment test.

Grading: Letter Graded
English 28 is the final preparatory course in composition and critical reading. Emphasis is placed on a review of grammar, mechanics, and paragraph writing. Students will write essays on various rhetorical patterns and will be introduced to research techniques. It is designed to assist the student to make the transition to English 101.
DE**
Transfer Credit: Non Transferable

ENGLISH 030 (3.00 Units)
READING FOR PLEASURE
3.00 hours lecture
Grading: Letter Graded
This course is designed for the student who wishes to become a more effective reader. It stresses the reading for enjoyment of short stories, essays, poems, and plays. In addition, skills in reading and writing are developed.
Transfer Credit: Non Transferable

ENGLISH 031 (5.00 Units)
COMPOSITION AND CRITICAL READING
5.00 hours lecture
Prerequisite: Completion of English 21 or 73 with a grade of “P” or appropriate score on assessment test.

Grading: Letter Graded
This course serves as a five hour alternative to English 28. Student will review grammar and sentence structure for effective writing skills.
Transfer Credit: Non Transferable

ENGLISH 067 (0.50 Units)
WRITING LABORATORY
1.00 hour lab
Grading: Pass/No Pass
This class is open-entry. Recommended for students wanting to improve their writing skills for success in class. Completion of 27 hours required.
Transfer Credit: Non Transferable

ENGLISH 073 (3.00 Units)
BEGINNING COLLEGE READING AND WRITING
5.00 hours lecture
Prerequisite: Completion of Developmental Communication 20 with a grade of “C” or better or appropriate score on assessment test.

Grading: Pass/No Pass
English fundamentals including grammar, spelling, punctuation, and construction of sentences are taught in their application to this introductory composition course. This course prepares students for English 28 and serves as an alternative to English 21.
Transfer Credit: Non Transferable

ENGLISH 084 (5.00 Units)
COLLEGE ENGLISH AS A SECOND LANGUAGE I
5.00 hours lecture
Prerequisite: Appropriate score on ESL assessment test.

Grading: Letter Graded
Designed for students whose native language is NOT English but who have had some exposure to English language instruction. Provides practice in the four communication skills (listening, speaking, reading, writing) with emphasis on reading, writing, and sentence structure.
Transfer Credit: Non Transferable
Effective Summer 2015 (Approved: CC, Senate)

ENGLISH 085 (5.00 Units)
COLLEGE ENGLISH AS A SECOND LANGUAGE II
5.00 hours lecture
Prerequisite: Completion of English 084 with a grade of “C” or better, or appropriate score on ESL assessment test.

Grading: Letter Graded
Continuation of work on the English language.
Transfer Credit: CSU
Effective Summer 2015 (Approved: CC, Senate)

ENGLISH 086 (5.00 Units)
COLLEGE ENGLISH AS A SECOND LANGUAGE III
5.00 hours lecture
Prerequisite: English 85 or assignment as result of the ESL assessment test.

Grading: Letter Graded
Designed for the high, intermediate, low, and advanced students of ESL. This course, which provides further practice in grammar, vocabulary and reading, focuses on the writing of longer paragraphs and essays with emphasis on organization.
Transfer Credit: UC/CSU
Effective Summer 2016 (Approved: CC, Senate)

ENGLISH 101 (3.00 Units)
COLLEGE READING AND COMPOSITION I
3.00 hours lecture
Prerequisite: Completion of English 28 or 31 with a ‘C’ or better or appropriate score on assessment test.

Grading: Letter Graded
English 101 is a transfer Reading & Composition course designed to prepare students to handle a wide range of college writing assignments and to acquire the analytic skills necessary for effective academic preparation. Stress is placed on the organization and composition of objective expository and argumentative essays, including the research paper.
DE**
Transfer Credit: UC/CSU
ENGLISH 102 (3.00 Units)
COLLEGE READING AND COMPOSITION II
3.00 hours lecture
*Prerequisite: Completion of English 101 with a grade of 'C' or better.
Grading: Letter Graded
Continues the development of skillful reading and writing, using the material of short stories, plays, and poetry.
DE**
Transfer Credit: UC/CSU

ENGLISH 127 (3.00 Units)
CREATIVE WRITING
3.00 hours lecture
*Prerequisite: Completion of English 101 with a grade of "C" or better.
Grading: Letter Graded
This course is designed for those who want to learn to write professionally. Students write poems, plays, stories, or essays and present them for informal discussion and criticism by the class and instructor. The course offers an opportunity to discover and develop talent and to practice basic professional writing techniques.
Transfer Credit: UC/CSU

ENGLISH 137 (1.00 Units)
LIBRARY RESEARCH AND BIBLIOGRAPHY
1.00 hour lecture
*Co-requisite: Completion of English 101 with a grade of "C" or better or concurrent enrollment.
Grading: Letter Graded
The student locates, evaluates, interprets, and organizes information from a wide variety of library sources with the object of producing a research paper.
Transfer Credit: UC/CSU
Effective Summer 2015 (Approved: CC, Senate)

ENGLISH 185 (1.00 Units)
DIRECTED STUDY - ENGLISH
1.00 hour lecture
Grading: Letter Graded
Transfer Credit: CSU

ENGLISH 203 (3.00 Units)
WORLD LITERATURE I
3.00 hours lecture
*Prerequisite: Completion of English 101 with a grade of 'C' or better.
Grading: Letter Graded
A survey of literature of the Western World, from the Golden Age of Greece to the Renaissance.
DE**
Transfer Credit: UC/CSU

ENGLISH 204 (3.00 Units)
WORLD LITERATURE II
3.00 hours lecture
*Prerequisite: Completion of English 101 with a grade of 'C' or better.
Grading: Letter Graded
The subject matter in English 203 is continued. Selections include Neo-Classic, Romantic, Realistic and modern periods.
DE**
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
ENGLISH 209 (3.00 Units)  
CALIFORNIA LITERATURE  
3.00 hours lecture  
Prerequisite: Completion of English 101 with a grade of ‘C’ or better.  
Grading: Letter Graded  
California literature presents works by writers observing California life.  
DE**  
Transfer Credit: UC/CSU

ENGLISH 211 (3.00 Units)  
FICTION  
3.00 hours lecture  
Prerequisite: Completion of English 101 with a grade of ‘C’ or better.  
Grading: Letter Graded  
This course is a literary survey of the English and American novel from the beginnings of the 18th century to the present.  
DE**  
Transfer Credit: UC/CSU

ENGLISH 214 (3.00 Units)  
CONTEMPORARY LITERATURE  
3.00 hours lecture  
Prerequisite: Completion of English 101 with a grade of ‘C’ or better.  
Grading: Letter Graded  
Representative examples of post World War II literature are studied in this course. Works will be examined in light of their literary attributes and their reflections of the complexities of contemporary life, values and thought.  
DE**  
Transfer Credit: UC/CSU

ENGLISH 215 (3.00 Units)  
SHAKESPEARE I  
3.00 hours lecture  
Prerequisite: Completion of English 101 with a grade of ‘C’ or better.  
Grading: Letter Graded  
An introductory course to Shakespeare. Course will cover theatrical background, major plays and poetry.  
DE**  
Transfer Credit: UC/CSU

ENGLISH 218 (3.00 Units)  
CHILDREN’S LITERATURE  
3.00 hours lecture  
Prerequisite: Completion of English 101 with a grade of ‘C’ or better.  
Grading: Letter Graded  
In this survey course we will analyze picture books, folk tales, fantasy and modern realism written for children from pre-schoolers to teens.  
DE**  
Transfer Credit: CSU

ENGLISH 219 (3.00 Units)  
THE LITERATURE OF AMERICAN ETHNIC GROUPS  
3.00 hours lecture  
Prerequisite: Completion of English 101 with a grade of ‘C’ or better.  
Grading: Letter Graded  
Through various readings students will visit diverse cultures in order to grasp content and meaning of the work, to look beyond plot to infer what a given author’s views are regarding people’s actions, what motivates them, and how they deal with other human beings and with conflicts that confront them as it relates to ethnicity.  
DE**  
Transfer Credit: UC/CSU

ENGLISH 234 (3.00 Units)  
AFRICAN-AMERICAN LITERATURE I  
3.00 hours lecture  
Prerequisite: Completion of English 101 with a grade of “C” or better.  
Grading: Letter Graded  
This survey course examines the literary history of African-Americans through studies of novels, short stories, poems, dramas, and essays written by African-Americans, revealing the dynamics of American culture as interpreted by African-Americans seeking to define themselves and other Americans.  
Transfer Credit: UC/CSU

ENGLISH 239 (3.00 Units)  
WOMEN IN LITERATURE  
3.00 hours lecture  
Prerequisite: Completion of English 101 with a grade of ‘C’ or better.  
Grading: Letter Graded  
This course examines the roles of women in varied cultures and literacy periods in novels, short stories, poetry, drama and essays.  
DE**  
Transfer Credit: UC/CSU

ENGLISH 240 (3.00 Units)  
LITERATURE AND THE MOTION PICTURE I  
3.00 hours lecture  
Prerequisite: Completion of English 101 with a grade of ‘C’ or better.  
Grading: Letter Graded  
This course in comparative media emphasizes the difference between film and the writings on which they were based.  
DE**  
Transfer Credit: UC/CSU

ENGLISH 285 (2.00 Units)  
DIRECTED STUDY - ENGLISH  
2.00 hours lecture  
Grading: Letter Graded  
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education  
TBA** indicates that this course may be offered in TBA format
ENGLISH 385 (3.00 Units)  
DIRECTED STUDY - ENGLISH  
3.00 hours lecture  
Prerequisite: Completion of English 101 with a grade of “C” or better.  
Grading: Letter Graded  
Transfer Credit: CSU

ENGLISH AS A SECOND LANGUAGE

ESL 003A (6.00 Units)  
COLLEGE ESL III: WRITING AND GRAMMAR  
6.00 hours lecture  
Grading: Letter Graded  
This course is designed for ESL students at the high beginning - low intermediate level. The course assists students in improving their writing skills to prepare for college work. Students produce focused papers of at least 150 words and informal writings of at least 100 words. Students also focus on specific composition-related grammatical problems.  
Transfer Credit: Non Transferable

ESL 003B (3.00 Units)  
COLLEGE ESL III: READING AND VOCABULARY  
3.00 hours lecture  
Grading: Letter Graded  
This course is designed for ESL students at the low-intermediate level. The course assists students in improving their reading skills to prepare for college work of fiction and expository texts at the low-intermediate level.  
Transfer Credit: Non Transferable

ESL 003C (3.00 Units)  
COLLEGE ESL III: LISTENING AND SPEAKING  
3.00 hours lecture  
Grading: Letter Graded  
This course is designed for ESL students at the low-intermediate level. The course assists students in improving their listening and speaking skills to prepare for college work. Students will work on increasing listening comprehension skills through active listening practice involving responding to questions, taking dictation, and recording information. Students will participate in speaking activities involving interviews, formal and informal discussion, and informal debate on familiar topics.  
Transfer Credit: Non Transferable

ENGLISH AS A SECOND LANGUAGE (Noncredit)

ESL NC 005CE (0.00 Units)  
ENGLISH AS A SECOND LANGUAGE  
2.00 hours lecture  
Grading: No Grade Given  
Transfer Credit: Non Transferable

ENVIRONMENTAL DESIGN

ENV 101 (3.00 Units)  
FOUNDATIONS OF DESIGN I  
1.00 hour lecture and 5.00 hours lab  
Grading: Letter Graded  
This course introduces design laboratory studio for students pursuing architecture, environmental or other design fields focusing on the study of elements, form, and space. Sustainable design topics, drawing and model-making techniques are covered. A $20 lab fee is required.  
Transfer Credit: UC/CSU

E.S.L. 084 (5.00 Units)  
COLLEGE ENGLISH AS A SECOND LANGUAGE I  
5.00 hours lecture  
Grading: Letter Graded  
This course is planned for students whose native tongue is not English or who need assistance in using English as a second language. The course stresses the study of idioms, sentence structure, word order, vocabulary, and reading for comprehension. It also provides practice in writing compositions.  
Transfer Credit: Non Transferable  
Effective Summer 2015 (Approved: CC, Senate)

E.S.L. 085 (5.00 Units)  
COLLEGE ENGLISH AS A SECOND LANGUAGE II  
5.00 hours lecture  
Grading: Letter Graded  
This course is designed for intermediate level students of English as a second language. It includes pronunciation practices, intermediate grammar, vocabulary, word order, idioms, and reading comprehension. Writing practice is in the form of dictation, simple paragraphs, and short compositions.  
Transfer Credit: CSU  
Effective Summer 2015 (Approved: CC, Senate)

DE** indicates that this course may be offered as Distance Education  
TBA** indicates that this course may be offered in TBA format
E.S.L. 086 (5.00 Units)
COLLEGE ENGLISH AS A SECOND LANGUAGE III
5.00 hours lecture
Grading: Letter Graded
This course is designed for advanced students of English as a second language. It emphasizes writing practice and the study of vocabulary and syntax.
Transfer Credit: UC/CSU
Effective Summer 2015 (Approved: CC, Senate)

ENV 102 (3.00 Units)
FOUNDATIONS OF DESIGN II
1.00 hour lecture and 5.00 hours lab
Prerequisite: Completion of Environmental Design 101 with a grade of ‘C’ or better.
Grading: Letter Graded
This course serves as a design laboratory studio for students pursuing architecture, environmental or other design fields focusing on the study of organization, circulation, proportion and scale. Natural factors, materials, processes, sustainable design topics, drawing and model making techniques are covered. A $20 lab fee is required.
Transfer Credit: CSU

ENVIRONMENTAL SCIENCE

ENV SCI 001 (3.00 Units)
THE HUMAN ENVIRONMENT: PHYSICAL PROCESSES
3.00 hours lecture
Grading: Letter Graded
An introductory study of the physical processes affecting earth environments, and the human use and modifications of those environments. Includes discussions on natural hazards like Earthquakes, Volcanism, Floods, Landslides, etc. Special reference given to human needs in Energy, Freshwater, and Waste Disposal. Includes field trips to local areas of interest.
Transfer Credit: UC/CSU

ENV SCI 002 (3.00 Units)
THE HUMAN ENVIRONMENT: BIOLOGICAL PROCESSES
3.00 hours lecture
Grading: Letter Graded
An overview of global environmental concerns conservation history and environmental ethics is presented. Ecology, population biology and their application to environmental problems are reviewed. Pollution and its effects on ecosystems are discussed. Management of natural resources is explored.
Transfer Credit: UC/CSU

FAMILY AND CONSUMER STUDIES

FAM &CS 021 (3.00 Units)
NUTRITION
3.00 hours lecture
Grading: Letter Graded
Basic scientific concepts of human nutrition throughout life. Achieving and maintaining optimum health.
Transfer Credit: UC/CSU

FINANCE

FINANCE 002 (3.00 Units)
INVESTMENTS
3.00 hours lecture
Grading: Letter Graded
This course covers investment principles, types, markets, and sources of information. This class is offered once a year.
Transfer Credit: CSU

FINANCE 008 (3.00 Units)
PERSONAL FINANCE AND INVESTMENTS
3.00 hours lecture
Grading: Letter Graded
This course provides the student with financial fundamentals to manage personal income and expenditures. It outlines the indicators in everyday communications that help the individual make sound financial decisions to structure reasonable financial goals and plans. Emphasis on budgeting, credit homeownership, risk management and the individual’s personal balance sheet and net worth.
Transfer Credit: CSU

FIRE TECHNOLOGY

FIRETEK 201 (3.00 Units)
FIRE PROTECTION ORGANIZATION
3.00 hours lecture
Grading: Letter Graded
Introduction of the fire service, fire prevention and other fire department functions. Information is provided regarding civil service and related municipal and national agencies.
DE**
Transfer Credit: CSU

FIRETEK 202 (3.00 Units)
FIRE PREVENTION
3.00 hours lecture
Grading: Letter Graded
History, philosophy, organization and operation of a fire prevention bureau. Topics include inspections, pre-fire planning, use of fire codes, fire investigation, liability and court procedures.
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
FIRETEK 203 (3.00 Units)
FIRE PROTECTION EQUIPMENT AND SYSTEMS
3.00 hours lecture
Prerequisite: Completion of Fire Technology 201 with a grade of 'C' or better, or professional firefighting or related experience or equivalent.
Grading: Letter Graded
This course provides information relating to the features of design and operation of fire detection and alarm systems, heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection and portable fire extinguishers.
Transfer Credit: CSU

FIRETEK 204 (3.00 Units)
BUILDING CONSTRUCTION FOR FIRE PROTECTION
3.00 hours lecture
Grading: Letter Graded
Covers fundamental building construction and design that relates to fire safety. Information is given related to codes, ordinances and on plan checking and inspection procedures in residential, commercial and industrial occupancies.
Transfer Credit: CSU

FIRETEK 205 (3.00 Units)
FIRE BEHAVIOR AND COMBUSTION
3.00 hours lecture
Grading: Letter Graded
Theory and fundamentals of how and why fires start, spread, and are controlled; study of fire chemistry and physics.
Transfer Credit: CSU

FIRETEK 207 (3.00 Units)
WILDLAND FIRE CONTROL
3.00 hours lecture
Grading: Letter Graded
This course provides information relating to the incident command system and how it is used to control order and assign resources on wildland fires. The course will survey the methods used to suppress wildland fires, including the use of water, fire retardants, hand crews, bulldozers, aircraft and back firing.
Transfer Credit: CSU

FIRETEK 209 (3.00 Units)
FIRE TACTICS AND STRATEGY
3.00 hours lecture
Grading: Letter Graded
This course is an introduction to structural fire fighting methods. The course will provide students with the knowledge and information regarding the basic for procedures and policies for attacking a variety of structural fires. Included is information on the incident command system which is used to direct large scale fire operations.
Transfer Credit: CSU

FIRETEK 210 (3.00 Units)
FIRE COMPANY ORGANIZATION AND PROCEDURE
3.00 hours lecture
Grading: Letter Graded
This course is the study of the practical application of records, reports and company training; the history and authority of the fire company; equipment and building maintenance; work organization; discipline and morale.
Transfer Credit: CSU

FIRETEK 213 (3.00 Units)
FIRE INVESTIGATION
3.00 hours lecture
Grading: Letter Graded
This course is intended to provide the student with the fundamentals and technical knowledge needed for proper fire scene interpretations, including recognizing and conducting origin and cause, preservation of evidence and documentation, scene security, motives of the firesetter, and types of fire causes.
Transfer Credit: CSU

FIRETEK 216 (3.00 Units)
FUNDAMENTALS OF PERSONAL FIRE SAFETY & EMERGENCY ACTION
3.00 hours lecture
Grading: Letter Graded
This course introduces the basic concepts of occupational health and safety as it relates to emergency service organizations. Topics include risk evaluation and control procedures for fire stations, training sites, emergency vehicles, and emergency situations involving fire, EMS, hazardous materials, and technical rescue. Upon completion of this course, students should be able to establish and manage a safety program in an emergency service organization.
Transfer Credit: CSU

FIRETEK 217 (3.00 Units)
FIRE APPARATUS
3.00 hours lecture
Grading: Letter Graded
Principles of the care, maintenance, and operation of fire department vehicles are studied. Subjects include theory of internal combustion engines, power development and transmission, torque and horsepower, electrical and brake systems, carburetion, engine tune-up and troubleshooting, characteristics of fuels and lubricants and safe emergency and non-emergency driving procedures.
Transfer Credit: CSU
FRENCH

FRENCH 001 (5.00 Units)
ELEMENTARY FRENCH I
5.00 hours lecture
Grading: Letter Graded
This course stresses the fundamentals of French pronunciation and grammar; the building of a practical basic vocabulary; and the development of the ability to speak, understand, read, and write simple French.
Transfer Credit: UC/CSU

FRENCH 002 (5.00 Units)
ELEMENTARY FRENCH II
5.00 hours lecture
Prerequisite: Completion of French 1 with a grade of "C" or better or two years of high school French, or equivalent.
Grading: Letter Graded
This course completes the study of elementary French grammar. It provides continued practice in speaking, reading, and writing simple French. The reading selections illustrate French culture.
Transfer Credit: UC/CSU

GEOGRAPHY

GEOG 001 (3.00 Units)
PHYSICAL GEOGRAPHY
3.00 hours lecture
Grading: Letter Graded
An exploration of the atmosphere, hydrosphere, biosphere, and lithosphere. Major topics are earth-sun relations, mapping and satellite imagery, weather and climate patterns, ecology, soils, plate tectonics, landscape development, and human impacts on the environment. This is a foundation course for students interested in the earth sciences and environmental studies, as well as a major in geography. Nature walks are a part of the course.
Transfer Credit: UC/CSU

GEOG 002 (3.00 Units)
CULTURAL ELEMENTS OF GEOGRAPHY
3.00 hours lecture
Grading: Letter Graded
Cultural geography analyzes human settlement and activity from a spatial and ecological perspective, map and environmental patterns of population, agriculture, industry, cities, language, religion, political organization, and land use.
Transfer Credit: UC/CSU

GEOG 007 (3.00 Units)
WORLD REGIONAL GEOGRAPHY
3.00 hours lecture
Grading: Letter Graded
This course examines the physical and cultural environments of Europe, Latin America, the Middle East, Africa, Asia, and the Pacific. Physical landscapes, climates, population, cultural patterns, livelihoods, and international connections are all explored.
Transfer Credit: UC/CSU

GEOLOGY

GEOLOGY 001 (3.00 Units)
PHYSICAL GEOLOGY
3.00 hours lecture
Prerequisite or corequisite: Completion of Geology 001 with a grade of "C" or better or concurrent enrollment.
Grading: Letter Graded
Physical Geology provides an introduction to the materials, structures, and processes that shape the Earth. The course includes a survey of minerals and rocks, a study of plate tectonics, concepts behind the formation of petroleum, coal & other useful mineral resources (gold, silver, platinum, etc.), and the forces that create volcanoes & earthquakes, and a study of surface features created by streams, landslides, groundwater, glaciers, wind, & ocean waves. Includes field trips to coastal southern California.
Transfer Credit: UC/CSU
Effective Winter 2015 (Approved: CC, Senate)

GEOLOGY 006 (2.00 Units)
PHYSICAL GEOLOGY LABORATORY
1.00 hour lecture and 2.00 hours lab
Prerequisite: Completion of Geology 001 with a grade of "C" or better.
Grading: Letter Graded
This course supplements Geology 1 by providing practical experience in the identification of rocks, reading topographic and geologic maps, analysis of seismic data, rock structures, coastal features, and landslides, and study of fossils. Field trips to geological sites of southern California are made.
Transfer Credit: UC/CSU
Effective Winter 2015 (Approved: CC, Senate)
HEALTH

HEALTH 002 (3.00 Units)
HEALTH AND FITNESS
2.00 hours lecture and 2.00 hours lab
Grading: Letter Graded
This course explores the relationship between physical fitness and a healthy lifestyle. It examines the connection to cardiorespiratory fitness, nutrition, stress, addictive substances, and other health-related factors. The course involves laboratory assessment of each student's fitness status, lecture, and experiences in a variety of selected fitness activities. Various physical activity media are introduced to give student practical experiences with the ultimate goal of self-directed lifetime wellness.
Transfer Credit: UC/CSU

HEALTH 006 (3.00 Units)
NUTRITION FOR HEALTHFUL LIVING AND FITNESS ACTIVITIES
2.00 hours lecture and 2.00 hours lab
Grading: Letter Graded
General health concerns of women, the relationship of nutrition to disease and basic nutrition theories are explored. Overall fitness is enhanced by participation in aerobic developmental and flexibility exercises. Health 6 meets the health and physical requirements for the Associate in Arts degree.
Transfer Credit: CSU

HEALTH 011 (3.00 Units)
PRINCIPLES OF HEALTHFUL LIVING
3.00 hours lecture
Grading: Letter Graded
Credit is allowed only in one of Health 9, 10, or 11. This course offers concepts to use today and tomorrow as guidelines for self-paced responsible living in personal, community, vocational, and leadership roles.
Transfer Credit: UC/CSU

HEALTH 012 (3.00 Units)
SAFETY EDUCATION AND FIRST AID
3.00 hours lecture
Grading: Letter Graded
The course covers the standard and advanced courses of the American National Red Cross and qualifies successful candidates for First Aid certificates. CPR cards will be issued on completion of the course.
Transfer Credit: UC/CSU

HEALTH OCCUPATIONS

HLTHOCC 055 (4.00 Units)
CLINICAL ASSISTING TECHNIQUES 1
2.50 hours lecture and 4.50 hours lab
Grading: Letter Graded
This is the first of two courses that use lecture and training lab experiences to teach the clinical skills necessary to successfully perform the role of medical office assistant in a variety of health care settings. In addition, this course covers Occupational Safety and Health Act regulations, medical asepsis and infection control.
Transfer Credit: Non Transferable

HISTORY

HISTORY 001 (3.00 Units)
INTRODUCTION TO WESTERN CIVILIZATION I
3.00 hours lecture
Grading: Letter Graded
This course surveys the political, economic, social, religious, and intellectual activities of Western Civilization from the pre-history period through the fifteenth century. The study includes the ancient Middle East, Egypt, Greece, Rome, the Middle Ages, and the Renaissance.
Transfer Credit: UC/CSU

HISTORY 002 (3.00 Units)
INTRODUCTION TO WESTERN CIVILIZATION II
3.00 hours lecture
Grading: Letter Graded
This course surveys Western Civilization from the Renaissance to the present. Major topics include the political, economic, and social organization of Europe with emphasis upon the rise of the nation state and industrialization. Europe's expanding global influence in the nineteenth and twentieth centuries is also examined.
Transfer Credit: UC/CSU

HISTORY 005 (3.00 Units)
HISTORY OF THE AMERICAS I
3.00 hours lecture
Grading: Letter Graded
This course examines the social, political, and economic developments of the Americas from the pre-Columbian era through the period of U.S. and Latin American independence. Emphasis is placed on the Native American cultures, European-Indian encounters, colonial settlements, imperial rivalries, and the independence movements in the western hemisphere.
Transfer Credit: UC/CSU
Effective Summer 2015 (Approved: CC, Senate, BOT, CCC)
HISTORY 006 (3.00 Units)
HISTORY OF THE AMERICAS II
3.00 hours lecture
Grading: Letter Graded
This course studies the evolution of the American nations and peoples in the nineteenth and twentieth centuries. This course meets the California State University requirements for United States History.
Transfer Credit: UC/CSU

HISTORY 011 (3.00 Units)
POLITICAL AND SOCIAL HISTORY OF THE UNITED STATES I
3.00 hours lecture
Grading: Letter Graded
This course surveys the political, social, and economic history of the United States from the Colonial era to 1876 with emphasis on the origin and implementation of the U.S. Constitution. This course meets the California State University requirements for United States History.
DE**
Transfer Credit: UC/CSU

HISTORY 012 (3.00 Units)
POLITICAL AND SOCIAL HISTORY OF THE UNITED STATES II
3.00 hours lecture
Grading: Letter Graded
History 11 is not a prerequisite for this course. This course surveys the political, social, and economic history of the United States from 1876 to the present. The course meets the California State University requirements for United States History.
DE**
Transfer Credit: UC/CSU

HISTORY 012H (3.00 Units)
POLITICAL AND SOCIAL HISTORY OF THE UNITED STATES II
3.00 hours lecture
Grading: Letter Graded
History 12 Honors includes additional research and writing assignments to be determined by professor.
Grading: Letter Graded
History 11 is not a prerequisite for this course. This course surveys the political, social, and economic history of the United States from 1876 to the present. The course meets the California State University requirements for United States History.
DE**
Transfer Credit: UC/CSU

HISTORY 019 (3.00 Units)
HISTORY OF MEXICO
3.00 hours lecture
Grading: Letter Graded
This course examines the history of Mexico including Indian Mexico, the Spanish conquest, War of Independence, the age of Santa Ana, the Period of Reform, and the Reign of Diaz. The Revolution of 1910 and the Period of Reconstruction are also included. A review of contemporary Mexico together with its cultural, social, political, and economic trends concludes the course.
Transfer Credit: UC/CSU

HISTORY 020 (3.00 Units)
HISTORY OF CALIFORNIA AND THE PACIFIC COAST
3.00 hours lecture
Grading: Letter Graded
This course surveys the history of the Pacific Coast. Emphasis is on the history of California through exploration, Spanish settlement, the Mexican regime, the gold rush, the American occupation statehood, and the political, economic and social development of California.
Transfer Credit: UC/CSU

HISTORY 021 (3.00 Units)
HISTORY OF THE RUSSIAN PEOPLE
3.00 hours lecture
Grading: Letter Graded
This course studies the development of Russia from the Kievan State to the present day with emphasis on the nineteenth and twentieth centuries. Special attention is paid to autocracy, social structure, reform movements, Russian Marxism, Soviet Totalitarianism under Lenin and Stalin (and their successors), and Tsarist and Soviet foreign policy.
Transfer Credit: UC/CSU

HISTORY 041 (3.00 Units)
3.00 hours lecture
Grading: Letter Graded
Credit is allowed in only one of History 11, 41, or 43. This course surveys United States history from the early colonial era through the Civil War with emphasis on the contribution of the African-American. A study of the U.S. Constitution is also included. This course meets the California State University requirements for United States history.
Transfer Credit: UC/CSU

HISTORY 042 (3.00 Units)
THE AFRICAN AMERICAN IN THE HISTORY OF THE U.S. II
3.00 hours lecture
Grading: Letter Graded
History 41 is not a prerequisite for this course. Credit is allowed in only one of History 12, 42, or 44. This course surveys U.S. History from the end of the Civil War to the present time with special emphasis on the contribution of African-Americans. This course meets the California State University
requirement for United States History.
Transfer Credit: UC/CSU

HISTORY 043 (3.00 Units)
THE MEXICAN-AMERICAN IN THE HISTORY OF THE UNITED STATES I
3.00 hours lecture
Grading: Letter Graded
This course surveys U.S. history from the early colonial era through the Civil War focusing on the political, economic, and cultural contribution of the Mexican-American. This course meets California State University requirements for United States history and the Constitution.
Transfer Credit: UC/CSU

HISTORY 044 (3.00 Units)
THE MEXICAN AMERICAN IN THE HISTORY OF THE UNITED STATES II
3.00 hours lecture
Grading: Letter Graded
History 43 is not a prerequisite for this course. Credit is allowed in only one of History 44, 42, or 12. This course surveys United States history from 1877 to the present with emphasis on the contribution of the Mexican-American. Also included is a unit on California state government, the state constitution, and local governmental structures and issues. This course meets the California State University requirement for United States history.
Transfer Credit: UC/CSU

HISTORY 052 (3.00 Units)
THE ROLE OF WOMEN IN THE HISTORY OF THE U.S.
3.00 hours lecture
Grading: Letter Graded
This course surveys women's roles throughout U.S. History focusing on the influence of race, ethnicity, and status on women's experience. This course meets the California State University requirement for United States History.
Transfer Credit: UC/CSU

HISTORY 058 (3.00 Units)
THE ASIAN AMERICAN IN THE HISTORY OF THE UNITED STATES
3.00 hours lecture
Grading: Letter Graded
This is an introductory history of Asians in the United States from the mid-nineteenth century to the present. The course emphasizes the experiences of Asian immigrants and Asian Americans within the broader context of immigration and race relations throughout American history. An interdisciplinary approach will be taken to address the issues facing Asian Americans including gender, race, identity, politics, socialization, assimilation, and popular culture.
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
**HUMANITIES**

**HUMAN 001 (3.00 Units)**  
Cultural Patterns of Western Civilization  
3.00 hours lecture  
**Grading: Letter Graded**  
This is an introductory course which covers the arts & ideas of humanity. Mythology, literature, painting, sculpture, and music are studied in relation to their medium, organization, and style. Emphasis is placed on the western cultural heritage, values, and perspectives as revealed in the arts.  
Transfer Credit: UC/CSU

**HUMAN 006 (3.00 Units)**  
Great People, Great Ages  
3.00 hours lecture  
**Grading: Letter Graded**  
The purpose of this course is to study the lives of selected individuals such as Pericles, Dante, Michelangelo, Beethoven, Van Gogh, Frank Lloyd Wright, Stravinsky, Picasso, and others with an appreciation of their eras in history and their contribution.  
DE**  
Transfer Credit: UC/CSU

**HUMAN 017 (3.00 Units)**  
Film Appreciation  
3.00 hours lecture  
**Grading: Letter Graded**  
A survey of motion pictures and changing social attitudes in film from the silent era to the present.  
Transfer Credit: UC/CSU

**HUMAN 060 (3.00 Units)**  
People and Their World: Technology and the Humanities  
3.00 hours lecture  
**Grading: Letter Graded**  
The purpose of this course is to involve the student in a study of the urban environment and society. The approach of the course is interdisciplinary, involving such disciplines as: art, music, literature, drama, philosophy, technology, and history. The emphasis is on exploring the interaction of the individual and society. The interrelationship of humanities and technology within modern society is discussed for the student to gain a better understanding of the modern world and its culture.  
Transfer Credit: UC/CSU

**INDUSTRIAL DESIGN**

**IND DSN 201 (2.00 Units)**  
Industrial Design I  
1.00 hour lecture and 2.00 hours lab  
**Prerequisite:** Completion of Environmental Design 102 with a grade of ‘C’ or better.  
**Grading: Letter Graded**  
This course explores product design and the nature and limitations of materials using two and three-dimensional form making. Design projects involve fundamental design principles and procedures, drawing techniques, and presentation methods as they relate to industrial design. Special emphasis is placed on the justification for design, user interface and manufacture.  
Transfer Credit: Non Transferable

**INTERNATIONAL BUSINESS**

**INTBUS 001 (3.00 Units)**  
International Trade  
3.00 hours lecture  
**Grading: Letter Graded**  
This course covers the accelerating global economy and internationalization of business. It reviews international economics, finance, and trade affecting international business decisions and operations. The course includes multinational enterprises, legal, political, and socio-cultural issues, survey of global strategic management. It covers the basics of starting and operating an import or export business.  
Transfer Credit: CSU

**INTBUS 003 (3.00 Units)**  
Export Procedures I  
3.00 hours lecture  
**Grading: Letter Graded**  
In this course the student identifies, defines, and explains that which is required by the United States regulatory agencies to export from the United States. Emphasis will be placed on how to determine if a commodity is acceptable for export and how to prepare the proper documentation required by the country of destination.  
Transfer Credit: CSU

**INTBUS 004 (3.00 Units)**  
Import Procedures I  
3.00 hours lecture  
**Grading: Letter Graded**  
This course identifies, defines and explains requirements of the United States regulatory agencies for import of foreign commodities in the United States. Emphasis is placed on determination of duties on commodities and preparation of appropriate forms.  
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education  
TBA** indicates that this course may be offered in TBA format
**JAPANESE**

**JAPAN 021 (3.00 Units)**
**FUNDAMENTALS OF JAPANESE I**
3.00 hours lecture
Grading: Letter Graded
This course stresses the fundamentals of pronunciation and grammar, basic vocabulary, useful phrases, and the ability to understand and speak simple Japanese. Basic reading and writing skills will be introduced.
Transfer Credit: UC/CSU

**JAPAN 022 (3.00 Units)**
**FUNDAMENTALS OF JAPANESE II**
3.00 hours lecture
Prerequisite: Japanese 21.
Grading: Letter Graded
This course continues the basic instruction of Japanese grammar at the second level of the Japanese language for beginners. Course stresses pronunciation, intonation and grammar. Completion of Japanese 21 and 22 is equivalent to Japanese 1.
Transfer Credit: UC/CSU

**JOURNALISM**

**JOURNAL 101 (3.00 Units)**
**COLLECTING AND WRITING NEWS**
3.00 hours lecture
Grading: Letter Graded
This introductory course stresses instruction and practice in news gathering and news writing. It also includes a study of newspaper, radio and television news.
Transfer Credit: CSU

**JOURNAL 105 (3.00 Units)**
**MASS COMMUNICATIONS**
3.00 hours lecture
Grading: Letter Graded
This course is a survey and evaluation of the mass media with special attention given to interpretation and analogies of ethical and legal issues.
Transfer Credit: UC/CSU

**JOURNAL 218 (3.00 Units)**
**PRACTICAL EDITING**
1.00 hour lecture and 6.00 hours lab
Grading: Letter Graded
This course provides practical instruction and practice in writing and editing the campus newspaper. Editions are evaluated in regularly scheduled class meetings.
Transfer Credit: CSU

**KINESIOLOGY**

**KIN 010 (1.00 Units)**
**KINESIOLOGY - PHYSICAL FITNESS**
2.00 hours lab
Grading: Letter Graded
This course teaches a scientific approach to physical fitness to improve one's physical efficiency. It consists of an active program of physical fitness through fitness, strength, agility, and speed exercises. Students will learn how to test and be tested on the different areas of fitness and on their improvement throughout the course. (Required for 17 Unit, “Skills Certificate in Physical Training”)
Transfer Credit: UC/CSU

**KIN 023 (1.00 Units)**
**MODERN DANCE**
2.00 hours lab
Grading: Letter Graded
This course is an introduction to the fundamentals of modern dance techniques, dance combinations and dance vocabulary. Proficiency in correct body alignment, carriage and basic muscle terminology is emphasized.
Transfer Credit: UC/CSU

**KIN 045 (1.00 Units)**
**ADAPTED FITNESS**
2.50 hours lecture and .5 lab
Grading: Letter Graded
This course is designed to meet the needs of students with disabilities who require restricted or modified activities. Individualized exercise programs will be performed by students with instruction covering the basic elements of physical fitness and training principles. Students with disabilities must provide a physician prescription for exercises.
*UC credit may be granted by petition after transfer.
Transfer Credit: UC/CSU

**KIN 046 (1.00 Units)**
**ADAPTED STRENGTH TRAINING**
0.50 hours lecture and 2.50 hours lab
Grading: Letter Graded
This course is designed to meet the needs of students with disabilities who require restricted or modified activities. Individualized exercise programs will be performed by students with instructional emphasis placed on strength training principles and techniques. Students with disabilities must provide a physician prescription for exercises.
Transfer Credit: UC/CSU. UC credit may be granted by petition after transfer.

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
KIN 048 (1.00 Units)  
**ADAPTED AEROBICS**  
3.00 hours lab  
**Grading: Letter Graded**  
This course is designed to meet the needs of students with disabilities who need an individualized exercise program and can function independently. Students will develop cardiovascular and muscular endurance, strength, and flexibility while exercising with musical accompaniment. Students with disabilities need a medical prescription from physician.  
*UC credit may be granted by petition after transfer.  
Transfer Credit: UC/CSU

KIN 049 (1.00 Units)  
**ADAPTED CARDIOVASCULAR FITNESS**  
0.50 hours lecture and 2.50 hours lab  
**Grading: Letter Graded**  
This course is designed to meet the needs of students with disabilities who can benefit from individualized cardiovascular endurance training. Development of cardiovascular endurance through the use of bicycle ergometers, treadmills, hand cranks, etc., will be the major class focus. Students with disabilities must provide physician prescription for exercises.  
Transfer Credit: UC/CSU. UC credit may be granted by petition after transfer.

KIN 050 (1.00 Units)  
**ADAPTED EXERCISE FOR BACK DISORDERS**  
0.50 hours lecture and 2.50 hours lab  
**Grading: Letter Graded**  
This course is designed to meet the needs of students with disabilities with back and/or neck problems who can benefit from an individualized exercise program. Instruction and practice will be given in individualized exercise, including stretching, resistive exercise, and cardiovascular fitness. Students with disabilities need a medical prescription for exercises from physician.  
*UC credit may be granted by petition after transfer.  
Transfer Credit: UC/CSU

KIN 051 (1.00 Units)  
**ADAPTED SPORTS AND GAMES**  
3.00 hours lab  
**Grading: Letter Graded**  
This course is designed to meet the needs of students with disabilities. This course is designed to develop gross motor skills and to facilitate participation in life-long activities. Activities are designed to enhance fitness, self-esteem, and social interaction. The focus of the class is skill development. Students with disabilities must provide a physicians prescription for exercises.  
*UC credit may be granted by petition after transfer.  
Transfer Credit: UC/CSU

KIN 185 (1.00 Units)  
**DIRECTED STUDY - KINESIOLOGY**  
1.00 hour lecture  
**Prerequisite: These classes are by arrangement and prior permission of instructor only. Do not enroll before getting approval.**  
**Grading: Letter Graded**  
Transfer Credit: CSU. UC credit may be granted by petition after transfer.

KIN 217 (1.00 Units)  
**SELF-DEFENSE SKILLS**  
2.00 hours lab  
**Grading: Letter Graded**  
This class will offer an individualized program of basic self-defense, physical fitness and MARTIAL ARTS awareness. Taught by the I.M.B. Academy staff. Recommended for both men and women of all experience levels, including beginners.  
Transfer Credit: UC/CSU

KIN 217-1 (1.00 Units)  
**SELF-DEFENSE SKILLS 1**  
0.50 hours lecture and 1.50 hours lab  
**Grading: Letter Graded**  
This course instructs the student in self-defense and personal safety skills for men and women against deadly dangerous and other physical attacks at an introductory level. The course includes discussion of safety precautions and the promotion of mental and physical well-being.  
Transfer Credit: UC/CSU

KIN 217-2 (1.00 Units)  
**SELF-DEFENSE SKILLS 2**  
0.50 hours lecture and 1.50 hours lab  
**Grading: Letter Graded**  
This course instructs the student in self-defense and personal safety skills for men and women against deadly dangerous and other physical attacks at a beginning karate and martial arts skills level. The course includes discussion of safe defense and protection strategies and the promotion of mental and physical well-being.  
Transfer Credit: CSU

KIN 229 (1.00 Units)  
**BODY CONDITIONING SKILLS**  
2.00 hours lab  
**Concurrent enrollment is allowed in all sections BODY CONDITIONING.**  
**Grading: Letter Graded**  
This course is designed to improve your overall fitness through aerobics, calisthenics, and stretching.  
Transfer Credit: UC/CSU

KIN 229-1 (1.00 Units)  
**BODY CONDITIONING SKILLS I**  
2.00 hours lab  
**Grading: Letter Graded**  
This course will familiarize students with different forms of exercises to improve strength, flexibility and cardiovascular endurance.  
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education.  
TBA** indicates that this course may be offered in TBA format.  

Los Angeles Harbor College
KIN 229-2 (1.00 Units)
BODY CONDITIONING SKILLS II
2.00 hours lab
Grading: Letter Graded
This course combines cardiovascular exercise, strength training and flexibility to further improve students fitness levels. Students will use fitness assessments to develop an individualized conditioning program to meet their needs.
Transfer Credit: UC/CSU

KIN 245 (1.00 Units)
BODY DYNAMICS SKILLS
2.00 hours lab
Grading: Letter Graded
This course teaches exercise and techniques for body conditioning and physical performance are learned. Class time includes participation in fitness activities including aerobic, strength, developmental, and flexibility exercises.
Transfer Credit: UC/CSU

KIN 245-1 (1.00 Units)
BODY DYNAMICS SKILLS I
2.00 hours lab
Grading: Letter Graded
This course explores different exercises and techniques for body conditioning & physical performance. Class time includes participation in fitness activities including aerobic, strength, developmental, and flexibility exercises.
Transfer Credit: UC/CSU

KIN 245-2 (1.00 Units)
BODY DYNAMICS SKILLS II
2.00 hours lab
Prerequisite: Completion of KIN 245 or 245-1 with a grade of 'C' or better. Effective Summer 2015 (Approved: CC, Senate)
Grading: Letter Graded
This course builds on the different exercises and techniques for body conditioning & physical performance learned in KIN245-1. Class time includes advanced participation in fitness activities including aerobic, strength, developmental, and flexibility exercises.
Transfer Credit: UC/CSU

KIN 250-1 (1.00 Units)
WEIGHT TRAINING SKILLS-1
2.00 hours lab
Grading: Letter Graded
This course consists of an active program of fitness and strength training through various weight-training skills. Students will learn the different methods used for training athletes as well as the general population. Personalized fitness programs are developed for each student. (Required for 17 Unit, "Skills Certificate in Physical Training" & can be applied toward "AA in PE/Kinesiology Degree"
Transfer Credit: CSU

KIN 250-2 (1.00 Units)
WEIGHT TRAINING SKILLS-2
2.00 hours lab
Grading: Letter Graded
This course builds on the active program of fitness and strength training through various weight-training skills learned in KIN 250-1. Students will learn advanced methods used for training athletes as well as the general population. Personalized fitness programs are developed for each student.
Transfer Credit: CSU

KIN 251 (1.00 Units)
YOGA SKILLS
2.00 hours lab
Grading: Letter Graded
This course teaches students the physical practice of Yoga, connecting body, mind and spirit. The students are introduced to its origins, asanas (positions) and terminology. This course will give the student both the knowledge and the practice to move toward improved health and reduce stress levels.
Transfer Credit: UC/CSU

KIN 251-1 (1.00 Units)
YOGA SKILLS - I
2.00 hours lab
Grading: Letter Graded
This course teaches students the physical practice of Yoga, and connecting body, mind and spirit. Students are introduced to the origins of Yoga, asanas (positions) and terminology.
Transfer Credit: UC/CSU Effective Summer 2015 (Approved: CC, Senate)

KIN 251-2 (1.00 Units)
YOGA SKILLS - II
2.00 hours lab
Grading: Letter Graded
This course teaches Hatha Yoga postures, breathing techniques, stretches, mental and relaxation exercises are used to gain concentration and self-discipline, and to improve physical, mental and emotional health.
Transfer Credit: UC/CSU Effective Summer 2015 (Approved: CC, Senate)

KIN 258 (1.00 Units)
GOLF SKILLS
2.00 hours lab
Grading: Letter Graded
This course teaches all levels, utilizing practice at a range. Students will learn all the necessary skills and knowledge required to play golf. First class meets in PE/W 143.
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
KIN 287 (1.00 Units)
BASKETBALL SKILLS
2.00 hours lab
Grading: Letter Graded
Beginning-Intermediate-Advanced
*UC credit may be granted by petition after transfer.
Transfer Credit: UC/CSU

KIN 287-1 (1.00 Units)
BASKETBALL SKILLS- I
2.00 hours lab
Grading: Letter Graded
This course is designed for students to practice, at a beginning level, the fundamental skills of basketball (dribbling, shooting, passing) and basic offensive and defensive team strategies through instruction and drills.
Transfer Credit: CSU

KIN 287-2 (1.00 Units)
BASKETBALL SKILLS- II
2.00 hours lab
Grading: Letter Graded
This course is designed for students to practice, at an intermediate level, the fundamental skills of basketball (dribbling, shooting, passing) and improve their ability to perform these skills under game conditions. They learn how to be a contributing team member on offense and defense by setting screens, playing various zone defenses, and running a half-court press.
Transfer Credit: CSU

KIN 288 (1.00 Units)
FLAG/TOUCH FOOTBALL SKILLS
2.00 hours lab
Grading: Letter Graded
This course is designed to teach students skills related to flag football as a team activity.
Transfer Credit: UC/CSU

KIN 291 (1.00 Units)
VOLLEYBALL SKILLS
2.00 hours lab
Grading: Letter Graded
Beginning-Intermediate
This course is designed to teach beginning to intermediate volleyball skills of passing, setting, spiking, serving and blocking. The course will introduce individual and team offense and defense systems, as well as the rules, proper etiquette, terminology, components of fitness, nutritional and injury prevention strategies for volleyball.
Transfer Credit: UC/CSU. UC credit may be granted by petition after transfer.

KIN 291-1 (1.00 Units)
VOLLEYBALL SKILLS -1
2.00 hours lab
Grading: Letter Graded
This course is designed for students to learn basic volleyball skills and techniques. Skills learned are passing, serving, setting, blocking and hitting. Students learn game strategy and rules of the sport.
Transfer Credit: CSU

KIN 291-2 (1.00 Units)
VOLLEYBALL SKILLS -2
2.00 hours lab
Grading: Letter Graded
This course is designed to teach students volleyball skills and techniques. Skills learned are passing, serving, hitting and blocking. The students also learn strategy used for games and the rules of the sport.
Transfer Credit: UC/CSU

KIN 291-1 (1.00 Units)
VOLLEYBALL SKILLS -1
0.50 hours lecture and 2.50 hours lab
Grading: Letter Graded
This course is an open laboratory experience designed for the people who desire an individualized strength program using a combination of cardio machines, universal machines, and free weights. This is suited for men and women of all age groups who are interested in muscle toning and muscle building beyond the normal workout. Orientation is the first week of school- on the hour, every hour that the weight room is open.
Transfer Credit: CSU

KIN 349 (2.00 Units)
STRESS REDUCTION FOR PHYSICAL EFFICIENCY
1.00 hour lecture and 2.00 hours lab
Grading: Letter Graded
This course is the study of alternative forms of physical education for improved body alignment and ease of movement with ability to reduce stress for all individuals. Teaching YOGA techniques.
Transfer Credit: UC/CSU

KIN 350 (1.00 Units)
WEIGHT TRAINING
3.00 hours lab
Grading: Letter Graded
This course is an open laboratory experience designed for people who desire an individualized fitness training program using a combination of Life Fitness cardiovascular machines, universal machines, and free weight. This class is suited for men and women of all age groups. Work is done on a ‘contract’ basis.
Transfer Credit: UC/CSU

KIN 350-1 (1.00 Units)
WEIGHT TRAINING-1
0.50 hours lecture and 2.50 hours lab
Grading: Letter Graded
This course is an open laboratory experience designed for the people who desire an individualized strength program using a combination of cardio machines, universal machines, and free weights. This is suited for men and women of all age groups who are interested in muscle toning and muscle building beyond the normal workout. Orientation is the first week of school- on the hour, every hour that the weight room is open.
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
KIN 350-2 (1.00 Units)
WEIGHT TRAINING -2
3.00 hours lab
Grading: Letter Graded
This course is an intermediate training experience for the people who have experience with exercise, using a combination of machines and free weights. This is suited for men and women of all age groups who are interested in muscle toning and muscle building. This course may be scheduled at times to be arranged (TBA) for a minimum of 54:00 hours.
Transfer Credit: UC/CSU Transferable to UC only if taken in spring 2015 or later.

KIN 385 (3.00 Units)
DIRECTED STUDY - KINESIOLOGY
0.50 hours lecture and 2.50 hours lab
Prerequisite: Consultation with instructor before enrolling.
Grading: Letter Graded
Transfer Credit: CSU

KINESIOLOGY ATHLETICS

KIN ATH 503 (3.00 Units)
INTERCOLLEGIATE ATHLETICS-BASEBALL
10.00 hours lab
Grading: Letter Graded
Transfer Credit: UC/CSU

KIN ATH 504 (3.00 Units)
INTERCOLLEGIATE ATHLETICS-BASKETBALL
10.00 hours lab
Grading: Letter Graded
This course covers intercollegiate basketball team, including all aspects of intercollegiate basketball competition. This course may be scheduled at times to be arranged (TBA) for a minimum of 180:00 hours.
Transfer Credit: UC/CSU

KIN ATH 508 (3.00 Units)
INTERCOLLEGIATE ATHLETICS-FOOTBALL
10.00 hours lab
Grading: Letter Graded
This course presents intercollegiate athletic competitive football activities. Advanced skills for blocking, tackling, ball carrying (offense and defense), running, change in direction, accelerating and decelerating and placement of hands and fingers on football. This course may be scheduled at times to be arranged (TBA) for a minimum of 175:00 hours.
Transfer Credit: UC/CSU

KIN ATH 511 (3.00 Units)
INTERCOLLEGIATE ATHLETICS-SOCCER
10.00 hours lab
Grading: Letter Graded
This course spends ten hours or more a week in seasonal soccer intercollegiate varsity and other conditioning activities as directed.
Transfer Credit: UC/CSU

KIN ATH 512 (3.00 Units)
INTERCOLLEGIATE ATHLETICS-SOFTBALL
10.00 hours lab
Grading: Letter Graded
Fundamental, intermediate and advanced principles/theories and skills of Softball. Instruction, demonstration and practice of basic skills, including throwing, fielding, hitting, base running, and intercollegiate competition. This course may be scheduled at times to be arranged (TBA) for a minimum of 180:00 hours.
Transfer Credit: UC/CSU

KIN ATH 516 (3.00 Units)
INTERCOLLEGIATE ATHLETICS-VOLLEYBALL
10.00 hours lab
Grading: Letter Graded
This course provides students with intermediate and advanced volleyball skills the opportunity to compete at the intercollegiate level. This course may be scheduled at times to be arranged (TBA) for a minimum of 180:00 hours.
Transfer Credit: UC/CSU

KIN ATH 552 (1.00 Units)
INTERCOLLEGIATE SPORTS-CONDITIONING & SKILLS TRAINING
3.00 hours lab
Grading: Letter Graded
This course is designed to improve and maintain the fitness condition of the athlete in preparation for the competitive season of play. It encompasses the mental aspects of sport performance, sport regulation and eligibility standards.
*UC credit may be granted by petition after transfer.
Transfer Credit: UC/CSU

KIN ATH 553 (1.00 Units)
INTERCOLLEGIATE FOOTBALL-FITNESS & SKILLS TRAINING
3.00 hours lab
Grading: Letter Graded
This course is designed for the student athlete and is intended to provide focused strength and conditioning exercises with an emphasis on safety, injury prevention, and new rules and game plays for basketball.
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format

2014-2016 General Catalog
Course Descriptions * 171
KIN ATH 557 (1.00 Units)
INTERCOLLEGIATE BASEBALL -FITNESS & SKILLS TRAINING
3.00 hours lab
Grading: Letter Graded
This course is designed for the student athlete. It is intended to provide focused strength and conditioning exercises, emphasize safety and injury prevention and present new rules and game plays for baseball.
Transfer Credit: UC/CSU

KIN ATH 558 (1.00 Units)
INTERCOLLEGIATE SOCCER-FITNESS & SKILLS TRAINING
3.00 hours lab
Grading: Letter Graded
This course is designed for the student athlete and is intended to provide focused strength and conditioning exercises with an emphasis on safety, injury prevention, and new rules and game plays for soccer.
Transfer Credit: UC/CSU

KINESIOLOGY MAJOR

KIN MAJ 100 (3.00 Units)
INTRODUCTION TO KINESIOLOGY
3.00 hours lecture
Grading: Letter Graded
This course is designed to acquaint the major or minor student in health, physical education, kinesiology, or recreation with the scope and significance of these professions. It covers kinesiology concepts, historical background, and interrelationship with other fields, major course requirements, job opportunities, teaching, professional duties, and responsibilities. (Can be applied toward “AA in Physical Education/Kinesiology Degree”)
Transfer Credit: CSU

KIN MAJ 103 (3.00 Units)
INTRODUCTION TO COACHING ATHLETICS
3.00 hours lecture
Prerequisite: Physical Education or Recreation major or minor or coach of men’s or women’s sports.
Grading: Letter Graded
Transfer Credit: UC/CSU

KIN MAJ 119 (2.00 Units)
PHYSICAL EDUCATION - PHYSICAL EFFICIENCY
1.00 hour lecture and 2.00 hours lab
Grading: Letter Graded
This course consists of an active program of physical fitness through flexibility, running, and strength exercises; also included are body weight conditioning and aerobic activities. Personalized fitness programs are developed for each student. The student will also learn the principles of fitness conditioning, weight control, and nutrition guidance. (Required for 17 Unit, “Skills Certificate in Physical Training”) Do not need to be a KIN Major to take the class.
Transfer Credit: UC/CSU

KIN MAJ 126 (2.00 Units)
FUNDAMENTALS OF ATHLETIC TRAINING
3.00 hours lecture
Grading: Letter Graded
This course is designed for future athletic trainers, physical educators, coaches, physical therapists and any one else who plans on working with active individuals who are prone to injury. This course introduces the concepts and practical skills of the athletic training profession, including the prevention, recognition, evaluation, and management of athletic injuries.
Transfer Credit: CSU
Effective Summer 2015 (Approved: CC, Senate, BOT, CCC)

LEARNING FOUNDATION

LRNFDTN 001 (1.00 Units)
ADAPTED KEYBOARDING
3.00 hours lab
Grading: Pass/No Pass
Designed for students with verified disabilities, this class is open-entry and is taught on a credit/no credit basis. This class provides individual instruction in keyboarding. Students must attend orientation the first week of class. For information, call 310-233-4393.
Transfer Credit: Non Transferable

LRNFDTN 002 (1.00 Units)
ADAPTIVE WORD PROCESSING OPERATIONS
3.00 hours lab
Grading: Pass/No Pass
Designed for students with verified disabilities, this class is open-entry and is taught on a credit/no credit basis. This class provides self-paced, individual training in the use of word processing technologies. Lessons are adapted to each student’s needs. Students must attend orientation the first week of class. For information call 310-233-4393.
Transfer Credit: Non Transferable

LRNFDTN 003 (1.00 Units)
ADAPTIVE COMPUTER OPERATIONS
3.00 hours lab
Grading: Pass/No Pass
Designed for students with verified disabilities, this class is open-entry and is taught on a credit/no credit basis. Students will learn how to use the latest technologies (hardware and software) to make computer applications accessible. Students must attend orientation the first week of class. For information call 310-233-4393.
Transfer Credit: Non Transferable

LRNFDTN 031 (3.00 Units)
STUDY STRATEGIES FOR STUDENTS WITH LEARNING DISABILITIES
3.00 hours lecture
Grading: Letter Graded
This course will help students with identified learning disabilities to develop strategies to cope with the demands of the regular classroom environment.
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
Such strategies include organization, self-awareness, time management, note-taking, test-taking, listening, and textbook comprehension skills.
Transfer Credit: Non Transferable

LRNFDTN 070 (1.00 Units)
FUNDAMENTALS OF ARITHMETIC LABORATORY
3.00 hours lab
Grading: Letter Graded
This course is designed for students with verified disabilities. Students will receive individualized, small group and computer-assisted instruction designed to build skills for entry into math and other college classes requiring basic math skills. Students must attend orientation the first week of class. For information call 310-233-4393
Transfer Credit: Non Transferable
TBA* Effective Winter 2015 (Approved: CC, Senate)

LRNSKIL 001 (3.00 Units)
READING
9.00 hours lab
Grading: Pass/No Pass
In this course students will receive individualized, small group and computer assisted instruction based on diagnostic assessment results. Modules in decoding, comprehension and textbook reading skills are prescribed in order to strengthen skills necessary for success in other college classes.
Transfer Credit: Non Transferable

LRNSKIL 001A (1.00 Units)
READING
3.00 hours lab
Grading: Pass/No Pass
Student will receive individualized, small group and computer assisted instruction based on diagnostic assessment results. Modules in decoding, comprehension and textbook reading skills are prescribed in order to strengthen skills necessary for success in other college classes.
Transfer Credit: Non Transferable

LRNSKIL 001B (1.00 Units)
READING
3.00 hours lab
Grading: Pass/No Pass
Student will receive individualized, small group and computer assisted instruction based on diagnostic assessment results. Modules in decoding, comprehension and textbook reading skills are prescribed in order to strengthen skills necessary for success in other college classes.
Transfer Credit: Non Transferable

LRNSKIL 001C (1.00 Units)
READING
3.00 hours lab
Grading: Pass/No Pass
Student will receive individualized, small group and computer assisted instruction based on diagnostic assessment results. Modules in decoding, comprehension and textbook reading skills are prescribed in order to strengthen skills necessary for success in other college classes.
Transfer Credit: Non Transferable

LRNSKIL 010 (3.00 Units)
MATHEMATICS FUNDAMENTALS
3.00 hours lecture
Students enrolled in Learning Skills 010 should not enroll in Math 100.
Grading: Pass/No Pass
Prerequisite: None. Covers arithmetic topics necessary for other mathematics and related courses. Course offered on a CR/NC basis only.
Transfer Credit: Non Transferable

LIB SCI 101 (1.00 Units)
LIBRARY RESEARCH METHODS
1.00 hour lecture
Grading: Letter Graded
This is a practical course in the use of libraries in general and academic libraries in particular. The student will learn efficient use of library resources, in both print and computer form, for researching information for class assignments and papers, and for personal use. Skills acquired will be of life-long benefit.
Transfer Credit: UC/CSU

LIB SCI 102 (1.00 Units)
INTERNET RESEARCH METHODS
0.50 hours lecture and 1.00 hours lab
Grading: Letter Graded
Recommended: Knowledge of Windows: Basic keyboarding skills. This course will focus on how to find and evaluate information and resource materials on the Internet, using a variety of applications. Principles of information access, development of search strategies, evaluation criteria and processes, and specific search tools will be covered. Issues regarding intellectual property, censorship, and on-line publishing will be discussed.
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
MANAGEMENT

MGMT 002 (3.00 Units)
ORGANIZATION AND MANAGEMENT THEORY
3.00 hours lecture
Grading: Letter Graded
This course covers management organization and authority. Students learn to effectively communicate with and motivate employees. Students will understand the processes of hiring, evaluating, promoting and terminating personnel. Students will study the basic objectives, theory, and principles of management decision making.
Transfer Credit: CSU

MGMT 013 (3.00 Units)
SMALL BUSINESS ENTREPRENEURSHIP
3.00 hours lecture
Grading: Letter Graded
Students learn how to organize and operate a small business. The class will cover the basics of successful small business management.
Transfer Credit: CSU

MGMT 031 (3.00 Units)
HUMAN RELATIONS FOR EMPLOYEES
3.00 hours lecture
Grading: Letter Graded
This course assists students in developing and improving traits desirable for success in business. Emphasis is placed on techniques to insure good human relations with individuals or groups. Effective study methods, work organizations, career planning, and the ability to present oneself to an employer for employment or advancement are included.
Transfer Credit: CSU

MGMT 033 (3.00 Units)
PERSONNEL MANAGEMENT
3.00 hours lecture
Grading: Letter Graded
Human resource management techniques and procedures are studied. Topics included are selection, placement, testing, orientation, counseling, merit rating, promotion, transfer, training, and fringe benefits.
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format

MARKETING

MARKET 001 (3.00 Units)
PRINCIPLES OF SELLING
3.00 hours lecture
Grading: Letter Graded
This course provides training in effective sales techniques using consultative approach. Emphasis is placed on the building and selling of one’s personality, as well as on selling procedures. Practice is given in sales presentations. Partnership building is the basis for sales presentations.
Transfer Credit: CSU

MARKET 021 (3.00 Units)
PRINCIPLES OF MARKETING
3.00 hours lecture
Grading: Letter Graded
This survey course presents basic information including: the marketing environment and the roles of market research, advertising, public relations, planning, pricing and distribution in the marketing process.
Transfer Credit: CSU

MATH 105 (3.00 Units)
ARITHMETIC
3.00 hours lecture
Grading: Letter Graded
Reviews the fundamentals of arithmetic.
Transfer Credit: Non Transferable

MATH 110 (5.00 Units)
INTRODUCTION TO ALGEBRAIC CONCEPTS
5.00 hours lecture
Grading: Letter Graded
Math 110 discusses abstract ideas necessary for understanding algebra and reviews selected topics in arithmetic relevant to algebra. Math 110 introduces fundamental notions of algebra including signed numbers, simple equations, and modeling. Math 110 includes hands-on laboratories and group work instruction in study skills.
Transfer Credit: Non Transferable

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format

Los Angeles Harbor College
MATH 112 (3.00 Units)
PRE-ALGEBRA
3.00 hours lecture
Grading: Letter Graded
Review of arithmetic concepts and an introduction to elementary algebra concepts including signed numbers, exponents, mathematical sentences and linear equations.
Transfer Credit: Non Transferable

MATH 115 (5.00 Units)
ELEMENTARY ALGEBRA
5.00 hours lecture and 1.00 hour lab
Prerequisite: Completion of Math 110 or 112 with a grade of 'C' or better.
Grading: Letter Graded
This course is an introduction to the concepts of algebra. Topics include arithmetic operations with signed numbers, properties of real numbers, algebraic expressions, solving linear equations and inequalities, graphing linear equations and inequalities in two variables, solving systems of linear equations and inequalities, exponents, polynomials, factoring, rational expressions, roots, radicals, methods of solving quadratic equations, and setting up and solving a variety of word problems.
Transfer Credit: Non Transferable

MATH 121 (3.00 Units)
ESSENTIALS OF PLANE GEOMETRY
3.00 hours lecture
Prerequisite: Completion of Math 110 or 112 with a grade of ‘C’ or better.
Grading: Letter Graded
Definitions, axioms and theorems of geometry relating to angles, lines, circles, polygons & polyhedra.
Transfer Credit: Non Transferable

MATH 123 (12.00 Units)
ELEMENTARY AND INTERMEDIATE ALGEBRA
12.00 hours lecture
Grading: Letter Graded
This is a comprehensive course covering elementary and intermediate algebra topics such as addition, subtraction, multiplication of polynomials, solution of second degree equations, radical expressions, f(x) notation, conic sections, series and sequences. Applications of these topics to business, science and engineering are also included.
Transfer Credit: Non Transferable
Effective Winter 2015 (Approved: CC, Senate)

MATH 123A (4.00 Units)
ELEMENTARY AND INTERMEDIATE ALGEBRA I
4.00 hours lecture
Prerequisite: Completion of Math 110, 112 or equivalent with a grade of ‘C’ or better.
Grading: Letter Graded
First of three modules for Math 123 covering elementary algebra topics such as real numbers, algebraic expressions, solution of linear equations and inequalities. Applications relating to the above topics are also covered.
Transfer Credit: Non Transferable

MATH 123B (4.00 Units)
ELEMENTARY AND INTERMEDIATE ALGEBRA II
4.00 hours lecture
Prerequisite: Completion of Math 123A with a grade of “C” or better.
Grading: Letter Graded
Second of three modules for Math 123 covering additional elementary algebra topics such as polynomials and their operations, solution of second degree equations and radical expressions. Applications relating to the above topics are also covered.
Transfer Credit: Non Transferable

MATH 123C (4.00 Units)
ELEMENTARY AND INTERMEDIATE ALGEBRA III
4.00 hours lecture
Prerequisite: Completion of Math 123A & B with a grade of ‘C’ or better.
Grading: Letter Graded
Third of three modules for Math 123 covering intermediate algebra topics such as functions, conic sections, series and sequences. Applications relating to the above topics are also covered.
Transfer Credit: Non Transferable

MATH 125 (5.00 Units)
INTERMEDIATE ALGEBRA
4.00 hours lecture and 2.00 hours lab
Prerequisite: Completion of Math 115 with a grade of ‘C’ or better.
Grading: Letter Graded
This course is a study of the properties of real numbers, laws of exponents, radicals, equations and inequalities in linear and quadratic form, system of equations, matrices, graphing in two variables, rational expressions & equations, complex numbers, conic sections & their graphs, exponential and logarithmic functions.
Transfer Credit: Non Transferable

MATH 137 (5.00 Units)
PRE-STATISTICS ALGEBRA
5.00 hours lecture and 1.00 hour lab
Prerequisite: Completion of Math 110 or 112 or equivalent with a grade of ‘C’ or better.
Grading: Letter Graded
Introduces algebra topics and the basic elements of exploratory data analysis. Topics in the course include: solving algebraic equations, simplifying algebraic expressions, data analysis, sample statistics, measures of central tendency and spread, functions and their graphs, and probability. This class is intended as preparation for students who wish to take Statistics. Students wishing to take other 200 level math courses will require Math 123C and should consult the college catalog for prerequisites.
Transfer Credit: Non Transferable

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
MATH 215 (3.00 Units)  
PRINCIPLES OF MATHEMATICS I  
3.00 hours lecture  
Prerequisite: Completion of Math 123C or 125 with a grade of ‘C’ or better.  
Grading: Letter Graded  
First in a two course sequence designed for future elementary school teachers.  
Transfer Credit: UC/CSU

MATH 216 (3.00 Units)  
PRINCIPLES OF MATHEMATICS II  
3.00 hours lecture  
Prerequisite: Completion of Math 215 with a grade of “C” or better.  
Grading: Letter Graded  
Second in a two course sequence designed for future elementary school teachers.  
Transfer Credit: UC/CSU

MATH 227 (4.00 Units)  
STATISTICS  
4.00 hours lecture  
Prerequisite: Completion of Math 123C or 125 with a grade of ‘C’ or better.  
Grading: Letter Graded  
Introductory mathematical statistics course covering descriptive and inferential statistics topics.  
Transfer Credit: UC/CSU

MATH 234 (4.00 Units)  
COLLEGE LEVEL ALGEBRA  
4.00 hours lecture  
Prerequisite: Completion of Math 123C or 125 with a grade of ‘C’ or better.  
Grading: Letter Graded  
This course is designed to prepare students to apply mathematical concepts and quantitative reasoning at a collegiate level. Topics include solution of higher order equations and inequalities, functional analysis, zeros of polynomials, exponential and logarithmic functions, solution of systems of equations using matrices, and binomial expansions.  
Transfer Credit: UC/CSU  
DE** Effective Summer 2015 (Approved: CC, Senate)

MATH 235 (5.00 Units)  
FINITE MATHEMATICS  
5.00 hours lecture  
Prerequisite: Completion of Math 123C or 125 with a grade of ‘C’ or better.  
Grading: Letter Graded  
Covers topics of importance to certain Business and Social Science majors.  
Transfer Credit: UC/CSU

MATH 236 (5.00 Units)  
CALCULUS FOR BUSINESS AND SOCIAL SCIENCE  
5.00 hours lecture  
Prerequisite: Completion of Math 234 with a grade of ‘C’ or better.  
Grading: Letter Graded  
Calculus survey course for Business and Social Science majors.  
Transfer Credit: UC/CSU

MATH 240 (3.00 Units)  
TRIGONOMETRY  
3.00 hours lecture  
Prerequisite: Completion of Math 121 and 123C or 125 with grades of ‘C’ or better.  
Grading: Letter Graded  
Study of trigonometric functions and their applications to other sciences.  
Transfer Credit: CSU

MATH 259 (6.00 Units)  
PREFCALCULUS WITH TRIGONOMETRY  
6.00 hours lecture  
Prerequisite: Completion of Math 123C or 125 with a grade of ‘C’ or better.  
Grading: Letter Graded  
Math analysis topics necessary for a comprehensive background for the calculus sequence. Topics include theory of equations, matrices, sequences and series and analytic geometry.  
Transfer Credit: UC/CSU  
DE** Effective Summer 2015 (Approved: CC, Senate)

MATH 260 (5.00 Units)  
PRECALCULUS  
5.00 hours lecture  
Prerequisite: Completion of Math 123C or 125 with a grade of ‘C’ or better.  
Grading: Letter Graded  
Math analysis topics necessary for a comprehensive background for the calculus sequence. Topics include theory of equations, matrices, sequences and series and analytic geometry.  
Transfer Credit: UC/CSU

MATH 265 (5.00 Units)  
CALCULUS WITH ANALYTIC GEOMETRY I  
5.00 hours lecture  
Prerequisites: Completion of Mathematics 240 and 260 with grades of ‘C’ or better. Business majors are urged to take Mathematics 235 and 236 instead of Mathematics 260 and 265 unless they plan to take additional calculus courses.  
Grading: Letter Graded  
First course in a three-semester unified treatment of analytic geometry and calculus. Topics include introduction of differential and integral calculus and their applications in science and engineering.  
Transfer Credit: UC/CSU  
DE**

MATH 266 (5.00 Units)  
CALCULUS WITH ANALYTIC GEOMETRY II  
5.00 hours lecture  
Prerequisite: Completion of Math 265 with a grade of ‘C’ or better.  
Grading: Letter Graded  
First course in a three-semester unified treatment of analytic geometry and calculus. Topics include introduction of differential and integral calculus and their applications in science and engineering.  
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education  
TBA** indicates that this course may be offered in TBA format
CALCULUS WITH ANALYTIC GEOMETRY II
5.00 hours lecture
Prerequisite: Completion of Mathematics 265 with a grade of 'C' or better.
Grading: Letter Graded
Second course in a three-semester unified treatment of analytic geometry and calculus. Topics include integration techniques and their applications. Transcendental functions and infinite series.
Transfer Credit: UC/CSU
DE**

MATH 267 (5.00 Units)
CALCULUS WITH ANALYTIC GEOMETRY III
5.00 hours lecture
Prerequisite: Completion of Mathematics 266 with a grade of 'C' or better.
Grading: Letter Graded
Final course in a three-semester unified treatment of analytic geometry and calculus. Topics include polar coordinates, parametric equations, multivariate calculus and their applications in science and engineering.
Transfer Credit: UC/CSU
DE**

MATH 270 (3.00 Units)
LINEAR ALGEBRA
3.00 hours lecture
Prerequisite: A grade of 'C' or better in Mathematics 266 or equivalent.
Recommended corequisite: Concurrent enrollment in Math 267.
Grading: Letter Graded
This course emphasizes the study of matrix algebra, vector spaces and linear transformations, including theory and applications.
Transfer Credit: UC/CSU
DE**

MATH 275 (3.00 Units)
ORDINARY DIFFERENTIAL EQUATIONS
3.00 hours lecture
Prerequisite: Completion of Mathematics 267 with a grade of 'C' or better or concurrent enrollment.
Grading: Letter Graded
A study of first order linear differential equations with emphasis on applications. Introduction to the solution of ordinary differential and their applications in science and engineering.
Transfer Credit: UC/CSU
MICROBIOLOGY

MICRO 020 (4.00 Units)
GENERAL MICROBIOLOGY
3.00 hours lecture and 3.00 hours lab
Prerequisite: High school chemistry or one semester of college chemistry. Concurrent enrollment in lecture and laboratory section is required. This course is recommended for RN students. It is not open for credit to students who have credit in Microbiology 1.
Grading: Letter Graded
Principles of microbiology and how they relate to humans and the biological world. A materials fee of $25.00 is required.
Transfer Credit: UC/CSU

MICRO 020L (1.00 Units)
GENERAL MICROBIOLOGY L
3.00 hours lab
Prerequisite: Completion of Chemistry 065, 066, 101 or one year of high school chemistry with a grade of 'C' or better. Concurrent enrollment in Microbiology Lecture is required.
Grading: No Grade Given
This course is recommended for RN students. It is not open for credit to students who have credit in Microbiology 1. Principles of microbiology and how they relate to humans and the biological world. A materials fee of $35.00 is required.
Transfer Credit: UC/CSU

MICRO 020U (3.00 Units)
GENERAL MICROBIOLOGY U
3.00 hours lecture
Prerequisite: Completion of Chemistry 065, 066, 101 or one year of high school chemistry with a grade of 'C' or better. Concurrent enrollment in Microbiology Laboratory is required.
Grading: Letter Graded
This course is recommended for RN students. It is not open for credit to students who have credit in Microbiology 1. Principles of microbiology and how they relate to humans and the biological world.
Transfer Credit: UC/CSU

MICRO 040 (1.00 Units)
MICROBIOLOGY LABORATORY PREPARATIONS
3.00 hours lab
Prerequisite or corequisite: Completion of Microbiology 001 or 020 with a grade of "C" or better, or concurrent enrollment.
Grading: Letter Graded
Transfer Credit: CSU
MUSIC

MUSIC 101 (3.00 Units)  
FUNDAMENTALS OF MUSIC  
3.00 hours lecture  
Grading: Letter Graded  
This course provides the basic knowledge of music needed by the candidate for the Standard Elementary Teaching Credential. It is also offered for the non-music major who wishes to study the basic rudiments of music, including notation, scales, keys and intervals, chords, chord progression, and rhythm.  
Transfer Credit: UC/CSU  
DE**

MUSIC 111 (3.00 Units)  
MUSIC APPRECIATION I  
3.00 hours lecture  
Grading: Letter Graded  
This course is an introduction to music and musical masterpieces. They are presented through lectures, reports, and recordings. The course is recommended for the general college student who wishes to improve his/her understanding of music.  
DE**  
Transfer Credit: UC/CSU

MUSIC 116 (3.00 Units)  
SURVEY AND HISTORY OF ROCK, POP AND SOUL MUSIC  
3.00 hours lecture  
Grading: Letter Graded  
Introduction to rock, pop, and soul music styles covering their origins, stylistic development and cultural impact. This course is designed to increase student awareness of the relationship between popular music and society.  
Transfer Credit: UC/CSU

MUSIC 141 (3.00 Units)  
JAZZ APPRECIATION  
3.00 hours lecture  
Grading: Letter Graded  
This course is an introduction to music approached through the study of American jazz. An in-depth understanding of the music is developed by tracing historical, cultural, political, and musical influences that shaped jazz. CD's, DVD’s, the YouTube website, and live concerts provide the musical experience.  
Transfer Credit: UC/CSU

MUSIC 161 (3.00 Units)  
INTRODUCTION TO ELECTRONIC MUSIC  
2.00 hours lecture and 2.00 hours lab  
Grading: Letter Graded  
This is an introductory course examining the equipment, techniques, concepts and terminology related to music technology. Skills are introduced and developed for utilizing synthesizers, MIDI devices, and computer software applications for composing, performing, transcribing, and studying music.  
Transfer Credit: UC/CSU  
DE** Effective Winter 2015 (Approved: CC, Senate)

MUSIC 165 (3.00 Units)  
INTRODUCTION TO RECORDING ARTS  
2.00 hours lecture and 2.00 hours lab  
Grading: Letter Graded  
Covers basic acoustics, audio systems and terminology, microphone principles and usage, and an introduction to recording equipment and procedures.  
Transfer Credit: CSU

MUSIC 180 (1.50 Units)  
APPLIED MUSIC LABORATORY  
5.00 hours lab  
Prerequisite: Placement audition. Corequisite: Concurrent enrollment in Music 181, 182, 183, or 184 and participation in private lessons.  
Grading: Letter Graded  
Individualized instruction.  
Transfer Credit: UC/CSU  
TBA**  
DE** Effective Summer 2015 (Approved: CC, Senate)

MUSIC 180-1 (1.50 Units)  
APPLIED MUSIC LABORATORY I  
5.00 hours lab  
Prerequisite: Placement audition. Corequisite: Concurrent enrollment in Music 181, 182, 183, or 184 and participation in private lessons.  
Grading: Letter Graded  
Individual instruction in solo vocal or instrumental technique and performance focusing on the development of effective practice habits, basic technique, and mastery of basic repertoire. Content will be further developed in the required co-requisite course, MUSIC 181. Placement is by audition only. This course may be scheduled at times to be arranged (TBA) for a minimum of 90:00 hours.  
Transfer Credit: UC/CSU

MUSIC 180-2 (1.50 Units)  
APPLIED MUSIC LABORATORY II  
5.00 hours lab  
Prerequisite: Placement audition. Corequisite: Concurrent enrollment in Music 181, 182, 183, or 184 and participation in private lessons.  
Grading: Letter Graded  
Individual instruction in solo vocal or instrumental technique and performance focusing on the analysis and interpretation of repertoire. Content will be further developed in the required co-requisite course, MUSIC 182. Placement is by audition only. This course may be scheduled at times to be arranged (TBA) for a minimum of 90:00 hours.  
Transfer Credit: UC/CSU  
TBA** indicates that this course may be offered in TBA format.
**MUSIC 180-3 (1.50 Units)**
**APPLIED MUSIC LABORATORY III**
5.00 hours lab
Prerequisite: Placement audition. Corequisite: Concurrent enrollment in Music 181, 182, 183, or 184 and participation in private lessons.
**Grading: Letter Graded**
Individual instruction in solo vocal or instrumental technique and performance focusing on recital preparation. Content will be further developed in the required co-requisite course, MUSIC 183. Placement is by audition only. This course may be scheduled at times to be arranged (TBA) for a minimum of 90.00 hours.
Transfer Credit: UC/CSU

**MUSIC 180-4 (1.50 Units)**
**APPLIED MUSIC LABORATORY IV**
5.00 hours lab
Prerequisite: Placement audition. Corequisite: Concurrent enrollment in Music 181, 182, 183, or 184 and participation in private lessons.
**Grading: Letter Graded**
This course is designed for students to develop study, practice, and performance skills on a principal instrument or voice through private lessons. Parallels the offering for and requirements of UC and CSU music majors.
Transfer Credit: UC/CSU

**MUSIC 181 (0.50 Units)**
**APPLIED MUSIC I**
1.00 hour lab
Prerequisite: Placement audition.
**Effective Summer 2015 (Approved: CC, Senate)**
**Grading: Letter Graded**
This course is designed for students to develop study, practice, and performance skills on a principal instrument or voice through private lessons and recital and jury performances. Parallels the offering for and requirements of UC and CSU music majors.
Transfer Credit: UC/CSU

**MUSIC 182 (0.50 Units)**
**APPLIED MUSIC II**
1.00 hour lab
Prerequisite: Completion of Music 181 with a grade of 'C' or better.
**Grading: Letter Graded**
This course is designed for students to develop study, practice, and performance skills on a principal instrument or voice through private lessons. Parallels the offering for and requirements of UC and CSU music majors.
Transfer Credit: UC/CSU

**MUSIC 183 (0.50 Units)**
**APPLIED MUSIC III**
1.00 hour lab
Prerequisite: Completion of Music 182 with a grade of 'C' or better.
**Grading: Letter Graded**
This course is designed for students to develop study, practice, and performance skills on a principal instrument or voice through private lessons. Parallels the offering for and requirements of UC and CSU music majors.
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education

**MUSIC 184 (0.50 Units)**
**APPLIED MUSIC IV**
1.00 hour lecture
Prerequisite: Completion of Music 183 with a grade of 'C' or better.
**Grading: Letter Graded**
This course is designed for students to develop study, practice, and performance skills on a principal instrument or voice through private lessons. Parallels the offering for and requirements of UC and CSU music majors.
Transfer Credit: UC/CSU

**MUSIC 213-1 (1.00 Units)**
**MUSICIANSHIP III**
3.00 hours lab
Prerequisite: Concurrent enrollment in Music 203.
**Grading: Letter Graded**
This course is a continuation of Music 212. Ear training, sight singing, and keyboard harmony will develop aural skills in the music examined in Harmony III.
Transfer Credit: UC/CSU
**Effective Summer 2015 (Approved: CC, Senate)**

**MUSIC 216-1 (3.00 Units)**
**MUSIC THEORY I**
3.00 hours lecture
Concurrent enrollment in or previous completion (with a minimum grade of 'C') of Musicianship 1 (MUSIC 217B) is required.
**Grading: Letter Graded**
Music theory is the set of principles used to analyze the construction and perception of music. This course is the first in a sequence of four intended for music majors who plan to earn a music certificate, degree, and/or transfer to a four-year music program. It presents the principles of tonality and harmonic function—the tendency of certain types of music to progress toward a central tone or key. Topics will include music history, a review of the fundamentals of music, melodic construction, two-part counterpoint, harmonic progression, phrase structure, and harmonization. The practical application of these topics will be addressed in the corresponding musicianship course.
Transfer Credit: UC/CSU

TBA** indicates that this course may be offered in TBA format
Course Descriptions

MUSIC 216-3 (3.00 Units)
MUSIC THEORY 3
3.00 hours lecture
Concurrent enrollment in or previous completion (with a minimum grade of 'C') of Music Theory II (MUSIC 216-2) is required.
Grading: Letter Graded
This course is the third in a sequence of four intended for music majors who plan to earn a music certificate, degree, and/or transfer to a four-year music program. It presents the principles of chromatic expansion of tonality and an introduction to post-tonal theory. Topics will include harmonic sequences, applied chords, modulation, binary form, modal mixture, Neapolitan chords, augmented sixth chords and period structure. The practical application of these topics will be addressed in the corresponding musicianship course. DE**
Transfer Credit: UC/CSU

MUSIC 217-1 (1.00 Units)
MUSICIANSHIP 1
3.00 hours lab
Concurrent enrollment in or previous successful completion (with a minimum grade of 'C') of Music Theory I (MUSIC 216-1) is required.
Grading: Letter Graded
Musicianship is the ability to perceive and demonstrate musical artistry while reading, dictating and performing music. This course is the first in a sequence of four intended for music majors who plan to earn a music certificate, degree, and/or transfer to a four-year music program. It presents techniques for vocal and keyboard sight reading, improvisation, and melodic and harmonic dictation of music featuring the concepts presented in its counterpart music theory course. DE**
Transfer Credit: CSU

MUSIC 216-4 (3.00 Units)
MUSIC THEORY - IV
3.00 hours lecture
Thus, concurrent enrollment in or previous completion (with a minimum grade of 'C') of Music Theory 4 (MUSIC 216-4) is required.
Grading: Letter Graded
This course is the last in a sequence of four intended for music majors who plan to earn a music certificate, degree, and/or transfer to a four-year music program. It presents the principles of single-movement forms and an introduction to post-tonal theory. Topics will include ternary, rondo and sonata forms, extended tertian harmonies, modal and synthetic tonality, an introduction to blues harmony, symmetrical harmony, chromatic sequences, and introductory concepts in non-diatonic harmony. The practical application of these topics will be addressed in the corresponding musicianship course. DE**
Transfer Credit: UC/CSU

MUSIC 216-2 (3.00 Units)
MUSIC THEORY 2
3.00 hours lab
Concurrent enrollment in or previous successful completion (with a minimum grade of 'C') of Music Theory II (MUSIC 216-2) is required.
Grading: Letter Graded
This course is the second in a sequence of four intended for music majors who plan to earn a music certificate, degree, and/or transfer to a four-year music program. It presents techniques for vocal and keyboard sight reading, improvisation, and melodic and harmonic dictation of music featuring the concepts presented in its counterpart music theory course. DE**
Transfer Credit: UC/CSU

MUSIC 216-1 (3.00 Units)
MUSIC THEORY - III
3.00 hours lecture
Grading: Letter Graded
This course is the third in a sequence of four intended for music majors who plan to earn a music certificate, degree, and/or transfer to a four-year music program. It presents the principles of chromatic expansion of tonality and an introduction to musical form. Topics will include harmonic sequences, applied chords, modulation, binary form, modal mixture, Neapolitan chords, augmented sixth chords and period structure. The practical application of these topics will be addressed in the corresponding musicianship course. Thus, concurrent enrollment in or previous completion (with a minimum grade of 'C') of Music Theory III (MUSIC 216-3) is required. DE**
Transfer Credit: CSU

MUSIC 218-1 (3.00 Units)
MUSIC THEORY—III
3.00 hours lecture
Grading: Letter Graded
This course is the third in a sequence of four intended for music majors who plan to earn a music certificate, degree, and/or transfer to a four-year music program. It presents the principles of chromatic expansion of tonality and an introduction to musical form. Topics will include harmonic sequences, applied chords, modulation, binary form, modal mixture, Neapolitan chords, augmented sixth chords and period structure. The practical application of these topics will be addressed in the corresponding musicianship course. Thus, concurrent enrollment in or previous completion (with a minimum grade of 'C') of Musicianship 3 (MUSIC 218B) is required. DE**
Transfer Credit: UC/CSU

MUSIC 217-3 (1.00 Units)
MUSICIANSHIP 3
3.00 hours lab
Concurrent enrollment in or previous successful completion (with a minimum grade of 'C') of Musicianship 4 (MUSIC 217-4) is required.
Grading: Letter Graded
This course is the third in a sequence of four intended for music majors who plan to earn a music certificate, degree, and/or transfer to a four-year music program. It presents techniques for vocal and keyboard sight reading, improvisation, and melodic and harmonic dictation of music featuring the concepts presented in its counterpart music theory course. DE**
Transfer Credit: CSU

MUSIC 217-4 (1.00 Units)
MUSICIANSHIP 4
3.00 hours lab
Concurrent enrollment in or previous successful completion (with a minimum grade of 'C') of Musicianship 4 (MUSIC 217-4) is required.
Grading: Letter Graded
This course is the last in a sequence of four intended for music majors who plan to earn a music certificate, degree, and/or transfer to a four-year music program. It presents techniques for vocal and keyboard sight reading, improvisation, and melodic and harmonic dictation of music featuring the concepts presented in its counterpart music theory course. DE**
Transfer Credit: CSU

TBA** indicates that this course may be offered in TBA format
MUSIC 218-2 (1.00 Units)
MUSICIANSHIP—III
3.00 hours lab
Concurrent enrollment in or previous successful completion (with a minimum grade of 'C') of Music Theory 3 (MUSIC 218-1) is required.
Grading: Letter Graded
This course is the third in a sequence of four intended for music majors who plan to earn a music certificate, degree, and/or transfer to a four-year music program. It presents techniques for vocal and keyboard sight reading, improvisation, and melodic and harmonic dictation of music featuring the concepts presented in its counterpart music theory course.
DE**
Transfer Credit: UC/CSU
Effective Winter 2015 (Approved: CC, Senate)

MUSIC 231 (3.00 Units)
ORCHESTRATION AND ARRANGING I
3.00 hours lecture
Prerequisite: Completion of Music 216-2 with a grade of 'C' or better or concurrent enrollment.
Recommended: Completion of MUSIC 241 with a grade of 'C' or better or concurrent enrollment.
Effective Winter 2015 (Approved: CC, Senate)
Grading: Letter Graded
Recommended Preparation: Knowledge of basic music theory. This course focuses on the writing of arrangements for a variety of bands, orchestras, and vocal groups. The student will study harmony and voicing, and the basics about all the common instruments. Student arrangements will be performed.
Transfer Credit: UC/CSU

MUSIC 232 (3.00 Units)
ORCHESTRATION AND ARRANGING II
3.00 hours lecture
Prerequisite: Completion of Music 231 with a grade of "C" or better.
Grading: Letter Graded
Instruments will be examined in detail and students will write in a variety of styles, with emphasis on their special interests. Students arrangements will be performed.
Transfer Credit: UC/CSU

MUSIC 241 (1.00 Units)
MUSIC NOTATION AND COPYING I
1.00 hour lecture
Grading: Letter Graded
Beginning techniques of drawing notes, rests and other basic music symbols.
Transfer Credit: UC/CSU

MUSIC 242 (1.00 Units)
MUSIC NOTATION AND COPYING II
1.00 hour lecture
Prerequisite: Completion of Music 241 with a grade of 'C' or better.
Grading: Letter Graded
Transposition, scores, and special notation for instruments.
DE**
Transfer Credit: UC/CSU

MUSIC 251 (1.00 Units)
JAZZ IMPROVISATION WORKSHOP
1.00 hour lecture and 2.00 hours lab
Prerequisite: Proficiency on a musical instrument.
Grading: Letter Graded
How to improvise solos in various jazz styles; how to function in a jazz combo.
Transfer Credit: UC/CSU

MUSIC 251-1 (1.00 Units)
JAZZ IMPROVISATION WORKSHOP I
1.00 hour lecture and 2.00 hours lab
Prerequisite: Previous successful completion (with a minimum grade of 'C') of Jazz Improvisation I (MUSIC 251-1) is required.
Grading: Letter Graded
How to improvise solos in various jazz styles; how to function in a jazz combo. In this course students learn to play improvised solos with various groups and big bands, and study the chords, scales, and "licks" used by great players. Students then practice these techniques in a weekly jam session. This first of four levels will focus on chart reading.
Transfer Credit: UC/CSU

MUSIC 251-2 (1.00 Units)
JAZZ IMPROVISATION WORKSHOP II
1.00 hour lecture and 2.00 hours lab
Prerequisite: Previous successful completion (with a minimum grade of 'C') of Jazz Improvisation I (MUSIC 251-1) is required.
Grading: Letter Graded
How to improvise solos in various jazz styles; how to function in a jazz combo. In this course students learn to play improvised solos with various groups and big bands, and study the chords, scales, and "licks" used by great players. Students then practice these techniques in a weekly jam session. This second of four levels will focus on improvisation in varied styles.
Transfer Credit: UC/CSU

MUSIC 251-3 (1.00 Units)
JAZZ IMPROVISATION WORKSHOP III
1.00 hour lecture and 2.00 hours lab
Prerequisite: Previous successful completion (with a minimum grade of 'C') of Jazz Improvisation II (MUSIC 251-2) is required.
Grading: Letter Graded
In this course students learn to play improvised solos with various groups and big bands, and study the chords, scales, and "licks" used by great players. Students then practice these techniques in a weekly jam session. This third of four levels will focus on rehearsal and performance technique.
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
MUSIC 251-4 (1.00 Units)
JAZZ IMPROVISATION WORKSHOP IV
1.00 hour lecture and 2.00 hours lab
Prerequisite: Previous successful completion (with a minimum grade of 'C') of Jazz Improvisation III (MUSIC 251-3) is required.
Grading: Letter Graded
In this course students learn to play improvised solos with various groups and big bands, and study the chords, scales, and "licks" used by great players. Students then practice these techniques in a weekly jam session. This fourth of four levels will focus on developing performance plans from jazz chartst.
Transfer Credit: UC/CSU

MUSIC 261-3 (3.00 Units)
ELECTRONIC MUSIC WORKSHOP III
2.00 hours lecture and 2.00 hours lab
Prerequisite: Completion of Music 261-2 or equivalent with a grade of 'C' or better.
Grading: Letter Graded
This is the third in an advanced series of courses that emphasize the study and application of electronic, electro-acoustic, and digital music techniques. Technical, compositional, and performance skills applied to synthesizers, computers, MIDI, software applications, virtual instruments and digital recording equipment will be introduced and developed.
DE**
Transfer Credit: UC/CSU

MUSIC 261-1 (3.00 Units)
ELECTRONIC MUSIC WORKSHOP I
2.00 hours lecture and 2.00 hours lab
Prerequisite: Completion of Music 161 with a grade of 'C' or better. Recommended: Completion of Music 101, 200, or 216A with a grade of 'C' or better or concurrent enrollment.
Effective Winter 2015 (Approved: CC, Senate)
Grading: Letter Graded
This is the first in an advanced series of courses that emphasize the study and application of electronic, electro-acoustic, and digital music techniques. Technical, compositional, and performance skills applied to synthesizers, computers, MIDI, software applications, virtual instruments and digital recording equipment will be introduced and developed.
Transfer Credit: UC/CSU

MUSIC 261-2 (3.00 Units)
ELECTRONIC MUSIC WORKSHOP II
2.00 hours lecture and 2.00 hours lab
Prerequisite: Completion of Music 261-1 or equivalent with a grade of 'C' or better.
Grading: Letter Graded
This is the second in an advanced series of courses that emphasize the study and application of electronic, electro-acoustic, and digital music techniques. Technical, compositional, and performance skills applied to synthesizers, computers, MIDI, software applications, virtual instruments and digital recording equipment will be introduced and developed.
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
MUSIC 265-3 (3.00 Units)
RECORDING ARTS WORKSHOP III
2.00 hours lecture and 2.00 hours lab
Prerequisite: Completion of Music 265-2 with a grade of 'C' or better.
Grading: Letter Graded
This is the third of a three-course intermediate to advanced series in recording arts for students who have previously completed MUS 265-2. Through lecture and hands-on experience students will study acoustic principles, advanced multi-track recording, advanced audio editing and track comping, advanced signal processing, and mastering techniques.
Transfer Credit: UC/CSU

MUSIC 271 (3.00 Units)
SONGWRITERS' WORKSHOP I
3.00 hours lecture
Grading: Letter Graded
This course offers the student the opportunity to develop skills in writing original songs. Techniques of creating original melodies, harmonies, and lyrics will be presented.
Transfer Credit: UC/CSU

MUSIC 272 (3.00 Units)
SONGWRITERS' WORKSHOP II
3.00 hours lecture and 4.00 hours lab
Prerequisite: Completion of Music 271 with a grade of 'C' or better.
Grading: Letter Graded
This class is a continuation of exploration of developing skills in Commercial Songwriting. It offers the student additional opportunities to develop more advanced skills in writing original songs. Techniques of creating original melodies, harmonies, and lyrics will be reviewed and enhanced.
Transfer Credit: UC/CSU
Effective Summer 2015 (Approved: CC, Senate)

MUSIC 273 (3.00 Units)
SONGWRITERS' WORKSHOP III
3.00 hours lecture
Prerequisite: Completion of Music 272 with a grade of 'C' or better.
Grading: Letter Graded
This class is the final continuation of exploration of developing skills in Commercial Songwriting. It offers the student additional opportunities to develop more advanced skills in writing original songs. Techniques of creating original melodies, harmonies, and lyrics will be reviewed and enhanced.
Transfer Credit: UC/CSU
Effective Summer 2015 (Approved: CC, Senate, BOT, CCC)

MUSIC 280 (3.00 Units)
THE BUSINESS OF COMMERCIAL MUSIC
3.00 hours lecture
Grading: Letter Graded
This course offers the student the opportunity to examine economic opportunities in the music business. Job opportunities and responsibilities for the performer, arranger, sales manager, audio engineer, and other music business related positions are explored. Students have the opportunity to research areas of interest and discuss the music industry with guest speakers.
Transfer Credit: UC/CSU

MUSIC 321 (2.00 Units)
ELEMENTARY PIANO I
1.00 hour lecture and 2.00 hours lab
Grading: Letter Graded
This course provides the student with functional keyboard skills such as note reading, sight reading, simple improvisations, transpositions, harmonization, technical skills (scales, chords, pedal use, etc.) in addition to learning repertoire on a graded level.
Transfer Credit: UC/CSU

MUSIC 322 (2.00 Units)
ELEMENTARY PIANO II
1.00 hour lecture and 2.00 hours lab
Prerequisite: Completion of Music 321 or equivalent with a grade of 'C' or better.
Grading: Letter Graded
This is a continuation of Music 321 topics with additional technique exercises, improvisation and more advanced piano literature.
Transfer Credit: UC/CSU

MUSIC 323 (2.00 Units)
ELEMENTARY PIANO III
1.00 hour lecture and 2.00 hours lab
Prerequisite: Completion of Music 322 or equivalent with a grade of 'C' or better.
Grading: Letter Graded
The third course in a four-semester series that develops the student's functional keyboard skills. Sight reading, technique, improvisation, transposition, are introduced and practiced, and graded repertoire is studied. Music majors should enroll in a piano class for each of four semesters or pass a piano proficiency exam.
Transfer Credit: UC/CSU

MUSIC 324 (2.00 Units)
ELEMENTARY PIANO IV
1.00 hour lecture and 2.00 hours lab
Prerequisite: Completion of Music 323 with a grade of 'C' or better.
Grading: Letter Graded
The primary function of this four-semester sequence is to provide the student with functional keyboard skills. Sight-reading, technique, repertoire, and functional skills such as improvisation, transposition, and harmonization are stressed. Music majors whose major instrument is not piano must enroll in a piano class each of the four semesters or pass a proficiency exam.
Transfer Credit: UC/CSU

MUSIC 411 (2.00 Units)
ELEMENTARY VOICE I
1.00 hour lecture and 2.00 hours lab
Grading: Letter Graded
In this course the student receives guidance in the learning and presentation of several types and styles of solo song. Problems of tone production, breathing

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
diction, repertoire, and song interpretation are studied. The course is designed to meet the voice requirements for traditional and commercial music majors.
Transfer Credit: UC/CSU

**MUSIC 412 (2.00 Units)**
**ELEMENTARY VOICE II**
1.00 hour lecture and 2.00 hours lab
Prerequisite: Completion of Music 411 with a grade of 'C' or better.
Grading: Letter Graded
This course is a continuation of the study of concepts and techniques introduced in MUS 411. Students will develop their technical skills and apply them to new and more challenging repertoire.
Transfer Credit: UC/CSU

**MUSIC 413 (2.00 Units)**
**ELEMENTARY VOICE III**
1.00 hour lecture and 2.00 hours lab
Prerequisite: Completion of Music 412 with a grade of 'C' or better.
Grading: Letter Graded
This course is a continuation of the study of concepts and techniques introduced in MUS 411 and 412. Students will develop their technical skills and apply them to new and more challenging repertoire.
Transfer Credit: UC/CSU

**MUSIC 414 (2.00 Units)**
**ELEMENTARY VOICE IV**
1.00 hour lecture and 2.00 hours lab
Prerequisite: Completion of Music 413 with a grade of 'C' or better.
Grading: Letter Graded
In this four-semester sequence the student receives guidance in the learning and presentation of several types and styles of solo songs. Problems of tone production, breathing, diction, repertoire, and song interpretation are studied. The course is designed to meet the voice requirement of music majors, and to provide voice instruction for candidates working toward teaching credentials.
Transfer Credit: UC/CSU

**MUSIC 501 (1.00 Units)**
**COLLEGE CHOIR**
3.00 hours lab
Grading: Letter Graded
A choral performance ensemble. Topics will include vocal technique and choral elements such as balance, intonation, diction, and music reading. Repertoire is chosen on the basis of group ability and represents historical and current styles of music. Students are required to perform in public.
Transfer Credit: UC/CSU

**MUSIC 511 (1.00 Units)**
**COLLEGiate CHOIR**
3.00 hours lab
Grading: Letter Graded
This course is the study and performance of standard choral literature from all periods and styles. Public performances are given each semester.
Transfer Credit: UC/CSU

**MUSIC 531 (1.00 Units)**
**PHILHARMONIC CHOIR**
3.00 hours lab
Grading: Letter Graded
This course is the study and performance of standard choral literature from all periods and styles. Public performances are given each semester.
Transfer Credit: UC/CSU

**MUSIC 650 (2.00 Units)**
**BEGINNING GUITAR**
1.00 hour lecture and 2.00 hours lab
Grading: Letter Graded
This course consists of basic instruction in guitar playing from the beginning level. It includes appropriate exercises to develop technical facility, material for sight reading, and study of basic chords and repertoire.
Transfer Credit: UC/CSU

**MUSIC 651 (2.00 Units)**
**CLASSICAL GUITAR I**
1.00 hour lecture and 2.00 hours lab
Prerequisite: Completion of Music 650 or equivalent with a grade of 'C' or better.
Grading: Letter Graded
This course consists of basic instruction in guitar playing from the beginning level. It includes appropriate exercises to develop technical facility, material for sight reading, and study of basic chords and repertoire.
Transfer Credit: UC/CSU

**MUSIC 652 (2.00 Units)**
**CLASSICAL GUITAR II**
1.00 hour lecture and 2.00 hours lab
Prerequisite: Completion of Music 651 with a grade of 'C' or better.
Grading: Letter Graded
The second course in a four-semester series that develops classical guitar techniques, including right and left hand development. Includes advanced beginning repertoire, note reading, preparation for solo and ensemble performance. Student must possess a nylon string guitar.
Transfer Credit: UC/CSU

**MUSIC 653 (2.00 Units)**
**CLASSICAL GUITAR III**
1.00 hour lecture and 2.00 hours lab
Prerequisite: Completion of Music 652 with a grade of 'C' or better.
Grading: Letter Graded
The third course in a four-semester series that develops classical guitar techniques, including right and left hand development. Includes intermediate repertoire, note reading, preparation for solo and ensemble performance. Student must possess a nylon string guitar.
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education

TBA** indicates that this course may be offered in TBA format
MUSIC 654 (2.00 Units)
CLASSICAL GUITAR IV
1.00 hour lecture and 2.00 hours lab
Prerequisite: Completion of Music 653 with a grade of ‘C’ or better.
Grading: Letter Graded
The fourth course in a four-semester series that develops classical guitar techniques, including right and left hand development. Includes intermediate repertoire, note reading, preparation for solo and ensemble performance. Student must possess a nylon string guitar.
Transfer Credit: UC/CSU

MUSIC 765 (1.00 Units)
PERCUSSION ENSEMBLE
3.00 hours lab
Grading: Letter Graded
This course provides the student with the opportunity to learn the principles of percussion ensemble playing as they apply to standard literature in the symphonic and commercial fields. Public performances will be given.
Transfer Credit: UC/CSU

MUSIC 775 (1.00 Units)
JAZZ ENSEMBLE
3.00 hours lab
Prerequisite: Music sight reading and facility on an appropriate instrument are required. Successful audition on first day of class is required for continued enrollment.
Grading: Letter Graded
This course provides experience in dance band/studio band performance. Students will rehearse standard and special arrangements with emphasis on sight-reading, intonation, jazz feel and improvisation. Music is prepared for public performances. Proficiency on an appropriate instrument and a successful audition are required for continued enrollment.
Transfer Credit: UC/CSU

NURSING

NURSING 185 (1.00 Units)
DIRECTED STUDY - NURSING
1.00 hour lecture
Grading: Pass/No Pass
Study is coordinated under the direction of a supervising instructor with current course content and skill development needs.
Transfer Credit: CSU

NURSING 302 (3.00 Units)
MATHEMATICS OF DRUGS AND SOLUTIONS
3.00 hours lecture
Grading: Letter Graded
After a review of relevant basic arithmetic, the student will use concepts of higher mathematics to gain knowledge of measurement systems, including apothecary and metric, and techniques, including solving for an unknown, for computing medication dosages, I.V. flow rates, and weight related dosages for children and adults.
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education

TBA** indicates that this course may be offered in TBA format
NURSING 321 (1.00 Units)
NURSING PROCESS
1.00 hour lecture
Prerequisite: Official admission into the nursing program or experience in Nursing permitting advanced placement in the Nursing Program.
Grading: Letter Graded
This course introduces the concepts of the nursing process and the Roy Adaptation model for nursing practice.
Transfer Credit: CSU

NURSING 323 (5.00 Units)
NURSING PROCESS & PRACTICE IN THE CARE OF ADULT CLIENT I
3.00 hours lecture and 6.00 hours lab
Prerequisites: Completion of program prerequisites and all previous courses in Nursing with a grade of "C" or better. A passing score on the Mathematics skills test is required for satisfactory clinical performance. Completion of Nursing 311, 315, 321 with a grade of "C" or better. Enrollment in Nursing 185 is recommended.
Effective Winter 2015 (Approved: CC, Senate)
Grading: Letter Graded
The care of the adult client with medical-surgical problems of selected physiological systems, utilizing the nursing process and the Roy Adaptation model is presented.
Transfer Credit: CSU

NURSING 325 (5.00 Units)
NURSING PROCESS & PRACTICE IN THE CARE OF ADULT CLIENT II
3.00 hours lecture and 6.00 hours lab
Prerequisites: Completion of program prerequisites and all previous courses in Nursing with a grade of "C" or better. A passing score on the Mathematics skills test is required for satisfactory clinical performance. Concurrent enrollment is Nursing 323 is required. Enrollment in Nursing 185 is recommended.
Grading: Letter Graded
The care of the adult client with medical-surgical problems of selected physiological systems utilizing the nursing process and the Roy Adaptation model is presented.
Transfer Credit: CSU

NURSING 327 (2.00 Units)
PATIENT CARE MANAGEMENT I
6.00 hours lab
Prerequisite: A grade of "C" or better in Nursing 311, 313, 315, and 321 and eligibility for the second semester, or admitted to the program advanced placement and completed one semester of clinical course work with a grade of "C" or better. Repeat: Eligible for 4th semester of nursing program.
Grading: Pass/No Pass
This elective course will increase proficiency in the use of the nursing process and the Roy Adaptation Model in the administration of client care. This class is open-entry, hours to be arranged.
Transfer Credit: CSU

NURSING 329 (2.00 Units)
ROLE TRANSITION LVN TO RN
2.00 hours lecture
Grading: Letter Graded
Transfer Credit: CSU

NURSING 329A (1.00 Units)
ROLE TRANSITION LVN TO RN
1.00 hour lecture
Prerequisites: Current LVN license or experience in nursing permitting advanced placement in nursing program. Concurrent enrollment in Nursing 321 recommended.
Grading: Letter Graded
This course is designed to assist the L.V.N. to make a successful transition to the role of RN student and pursue an RN license. Content will focus on resources available, role development, learning styles, dosage calculations, and heart, lung and bowel assessment.
Transfer Credit: CSU

NURSING 329B (1.00 Units)
ROLE TRANSITION LVN TO RN
1.00 hour lecture
Prerequisites: Completion of Nursing 329A. Current LVN license or experience in Nursing permitting advanced placement in nursing program. Concurrent enrollment in Nursing 311 recommended.
Grading: Letter Graded
Continues with content to assist the L.V.N. to make a successful transition to the role of R.N. nursing student. Content will focus on critical thinking, documentation of history and assessment, nursing process, calculation and administration of IV piggyback medications.
Transfer Credit: CSU

NURSING 333 (3.00 Units)
NURSING PROCESS & PRACTICE IN HEALTH CARE OF WOMEN/FAMILIES
1.50 hours lecture and 4.50 hours lab
Prerequisite: Completion of all program prerequisites and a Grade of "C" or better in all first year Nursing Program courses OR admission through the Advanced Placement LVN to RN route, and grade “C” or better in Anatomy I, Physiology 1, Microbiology 1 or 20, Psychology 41, Psychology 1 and English 101. Concurrent enrollment in Nursing 335 and 339 is required. Enrollment in Nursing 318 is recommended.
Grading: Letter Graded
A passing score on the Mathematics skills test is required for satisfactory clinical evaluation. Renewal of certain tests and immunizations may be required. This course applies the nursing process based on the Roy Adaptation model to care for women with maternity and gynecological conditions.
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
NURSING 335 (3.00 Units)
NURSING PROCESS AND PRACTICE IN THE CARE OF CHILDREN
1.67 hours lecture and 4.50 hours lab
Prerequisites: Completion of all program prerequisites and a grade of "C" or better in first year Nursing courses, or admission through the Advanced Placement LVN to RN route, and grade "C" or better in Anatomy 1, Physiology 1, Microbiology 1 or 20, Psychology 1, Psychology 41 and English 101.
Concurrent enrollment in Nursing 333 and 339 is required. Enrollment in Nursing 318 is recommended.
Grading: Letter Graded
A passing score on the mathematics skills test is required for satisfactory clinical evaluation. Renewal of certain tests and immunizations may be required. Assessment and care of the bio-psychosocial problems of children and their families utilizing the nursing process and the Roy Adaptation model is presented.
Transfer Credit: CSU

NURSING 339 (2.00 Units)
NURSING PROC & PRACTICE IN THE CARE OF THE GERIATRIC CLIENT
1.00 hour lecture and 3.00 hours lab
Prerequisite: Completion of all program prerequisites and completed Nursing 333 and 335 and preceding nursing courses, all with grade of "C" or better, OR admission to Nursing Program "LVN-30 unit option route.
Grading: Letter Graded
Assessment and care of the geriatric client in LTC, the community, and home health setting utilizing the nursing process and the Roy Adaptation model is presented. R.N. preceptors will be utilized in the Home Health setting.
Transfer Credit: CSU

NURSING 343 (3.00 Units)
NURSING PROCESS & PRACTICE IN PSY-SOCIAL ADAPTATION OF CLIENT
1.50 hours lecture and 4.50 hours lab
Prerequisite: "LVN-30 unit" option: Admission to Nursing Program and completion Nursing 339 with a grade of "C" or better.
LVN Advanced Placement: As above AND completion of required 2nd and 3rd semester nursing program courses and cognates, and Sociology 1 or Anthropology 102 with grades of "C" or better.
Grading: Letter Graded
This course includes assessment and care of clients in the psychiatric unit, intervention, and participation in group therapy, and practice using the nursing process and the Roy Adaptation model with emphasis on the psycho-social modes.
Transfer Credit: CSU

NURSING 345 (3.00 Units)
NURSING PROCESS & PRACTICE IN THE CARE OF ADULT CLIENT III
1.50 hours lecture and 4.50 hours lab
Prerequisite: "LVN-30 unit" option: Admission to Nursing Program and completion Nursing 339 with a grade of "C" or better. LVN Advanced Placement: As above AND completion of required 2nd and 3rd semester nursing program courses and cognates, and Sociology 1 or Anthropology 102 with grades of "C" or better.
Grading: Letter Graded
This course emphasizes the nursing process and the Roy Adaptation model in the care of clients with complex medical-surgical problems. High acuity care settings and the critical care units are utilized.
Transfer Credit: CSU

NURSING 347 (3.00 Units)
LEADERSHIP AND MANAGEMENT
0.50 hours lecture and 7.50 hours lab
Prerequisite: For lecture: Grade "C" or better in all required nursing courses and cognates listed in the Nursing curriculum for the selected route. For Lab: Completion of the Nursing 347 lecture component with a grade of "C" or better and a grade of "C" or better in Nursing 343 and 345.
Grading: Letter Graded
Depending on availability of experiences and preceptors, students' laboratory assignments will be individually arranged by assigned clinical instructor. Students should plan to attend all lecture and labs offered on campus. No grade will be given until both lecture and lab are completed. To complete the program, lecture grade must be a "C" or better plus a satisfactory grade in the lab. Focus is on the management and planning of client care. Roles as a member of the profession and as a manager of client care are emphasized. Integrated and comprehensive client-care utilizing the nursing process and the Roy Adaptation model is performed under the supervision of R.N. preceptor-role models.
Transfer Credit: CSU

NURSING 364 (3.00 Units)
PHARMACOLOGY
3.00 hours lecture
Grading: Letter Graded
This course is open to pre-nursing majors, nursing students and those interested in developing an understanding of medications. This course provides an understanding of basic pharmacology and the standards, policies, and regulations involved in medication administration. A brief review of the math concepts involved in the calculations of dosages is included. The course focus is on drug classifications, pharmacodynamics, chemical interactions, toxicology and the use of the nursing process in medication administration.
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
NURSING 399 (7.00 Units)
CERTIFIED NURSE ASSISTANT/CERTIFIED HOME HEALTH AIDE
4.50 hours lecture and 7.50 hours lab
Grading: Letter Graded
Transfer Credit: Non Transferable

NURSING 399A (5.00 Units)
CERTIFIED NURSE ASSISTANT
3.00 hours lecture and 6.00 hours lab
Must have AHA healthcare Provide BCLS card, have background check, and meet all health requirements of clinical agency prior to beginning clinical.
Grading: Letter Graded
Theory and clinical skills needed to work with residents/patients in the long term care facility and the acute care setting. After successful completion of this course, the student will be eligible to apply for certification and to take the State of California Certified Nurse Assistant examination.
Transfer Credit: Non Transferable

NURSING 399B (2.00 Units)
CERTIFIED HOME HEALTH AIDE
1.00 hour lecture and 2.00 hours lab
Grading: Letter Graded
Prerequisite: Completion of or concurrent enrollment in Nursing 399A. Lecture and clinical skills in working with residents/clients in the home care setting. Emphasis given to safety principles and to methods for providing physical care and emotional and social support. Upon successful completion of the course, the student is eligible to apply for certification as a Home Health Aide in the state of California.
Transfer Credit: Non Transferable

OCEANOGRAPHY

OCEANO 001 (3.00 Units)
INTRODUCTION TO OCEANOGRAPHY
3.00 hours lecture
Grading: Letter Graded
Physical Oceanography. Major topics to be studied include the formation and features of the sea floor, islands and coastlines, properties of seawater, waves, currents, tides and marine life. Special reference is made to the California coast and the problems of human uses of the sea. Includes field trips to costal Southern California sites.
Transfer Credit: UC/CSU

OCEANO 010 (2.00 Units)
PHYSICAL OCEANOGRAPHY LABORATORY
1.00 hour lecture and 2.00 hours lab
Prerequisite or corequisite: Completion of Oceanography 001 with a grade of “C” or better or concurrent enrollment.
Grading: Letter Graded
Introduction to the tools and techniques used in oceanographic research today. The student will learn analytic techniques used to study oceanographic features, seawater properties, currents, tides, and waves. Includes field trips to coastal Southern California sites.
Transfer Credit: UC/CSU

OCEANO 012 (3.00 Units)
LECTURES IN MARINE BIOLOGY
3.00 hours lecture
Grading: Letter Graded
Investigates the intertidal and offshore ocean habitats. The study of marine plants and animals, their ecology, morphology and economic importance to man.
Transfer Credit: UC/CSU

PERSONAL DEVELOPMENT
See Counseling

PHILOSOPHY

PHILOS 001 (3.00 Units)
INTRODUCTION TO PHILOSOPHY
3.00 hours lecture
Grading: Letter Graded
A study of the nature, sources, and justification of claims to knowledge, different views of the nature of reality, and the place of human beings within it.
DE**
Transfer Credit: UC/CSU

PHILOS 006 (3.00 Units)
LOGIC IN PRACTICE
3.00 hours lecture
Grading: Letter Graded
Formal and informal logic, exercises in reasoning and contemporary moral and social issues will be discussed.
DE**
Transfer Credit: UC/CSU

PHILOS 020 (3.00 Units)
ETHICS
3.00 hours lecture
Grading: Letter Graded
A study of the basic principles of moral evaluation and their application to contemporary controversial moral issues. The primary emphasis is in aiding students in developing critical abilities in moral evaluation.
DE**
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
PHILOS 033 (3.00 Units)
COMPARATIVE SURVEY OF WORLD RELIGIONS
3.00 hours lecture
Grading: Letter Graded
A survey of the historical development of the world’s great religions, with the origins, growth and contributions to man’s cultural heritage.
Transfer Credit: UC/CSU

PHOTOGRAPHY

PHOTO 047 (3.00 Units)
INTRODUCTION TO COMPUTERIZED DIGITAL PHOTOGRAPHY
2.00 hours lecture and 3.00 hours lab
Grading: Letter Graded
This course introduces the student to basic principles and artistic criteria of photography as implemented through the use of digital photographic technology. Students will be introduced to basic computer operation as well as functions of the digital camera and common software programs. Student must own an adjustable digital camera. Lab fee $15.
Transfer Credit: CSU

PHOTO 049 (6.00 Units)
ADVANCED PHOTOGRAPHIC DIGITAL IMAGING
3.00 hours lecture and 9.00 hours lab
Prerequisite: Completion of Photo 47 with a grade of ‘C’ or better.
Grading: Letter Graded
Students learn advanced digital imaging/Photoshop techniques which will incorporate the use of computers and photographic digital software to alter, enhance, and create new images that can be output to print and digital media. Detailed instruction in the application of Adobe Photoshop will be covered. Development of concept and design, and the use of photographic images are emphasized. Creation of specialized projects will integrate digital image manipulation, compositing/collaging, retouching, editing and other specialized Photoshop techniques.
Transfer Credit: CSU

PHOTO 121 (3.00 Units)
HISTORY AND APPRECIATION OF PHOTOGRAPHY
3.00 hours lecture
Grading: Letter Graded
This course covers the major historical developments in Photography from the origin of the camera to the present.
Transfer Credit: UC/CSU

PHYSICAL SCIENCE

PHYS SC 001 (3.00 Units)
PHYSICAL SCIENCE I
3.00 hours lecture
Grading: Letter Graded
Not open for credit to students who have completed Physics 11. This is a survey course introducing students to the basic concepts of physics, chemistry, astronomy and geology.
Transfer Credit: UC/CSU

PHYS SC 014 (1.00 Units)
PHYSICAL SCIENCE LABORATORY
2.00 hours lab
Grading: Letter Graded
The study of nature through experiments in physics, geology, chemistry and astronomy.
Transfer Credit: UC/CSU

PHYSICS

PHYSICS 006 (4.00 Units)
GENERAL PHYSICS I
3.00 hours lecture and 3.00 hours lab
Prerequisite: Completion of Math 240 or equivalent with a grade of ‘C’ or better or concurrent enrollment.
Grading: Letter Graded
This is a trigonometry-based course covering classical mechanics and thermodynamics.
Transfer Credit: UC/CSU

PHYSICS 007 (4.00 Units)
GENERAL PHYSICS II
3.00 hours lecture and 3.00 hours lab
Prerequisite: Completion of Physics 006 with a grade of ‘C’ or better.
Grading: Letter Graded
Trigonometry based physics course in electricity and magnetism, optics and modern physics.
Transfer Credit: UC/CSU

PHYSICS 011 (4.00 Units)
INTRODUCTORY PHYSICS
3.00 hours lecture and 3.00 hours lab
Prerequisite: Completion of Mathematics 123C with a grade of ‘C’ or better.
Grading: Letter Graded
This course is not open for credit to students who have credit in Physics 006.
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
PHYSICS 018 (4.00 Units)  
SPECTROSCOPY USING SIDE ELUMINATED OPTICAL FIBERS  
2.50 hours lecture and 3.00 hours lab  
Prerequisite: Completion of Chemistry 065 and Physics 007 with a grade of 'C' or better.  
Grading: Letter Graded  
This course covers the basic principles of spectroscopy using side illuminated optical fibers. Topics include a review of Geometrical Optics, total internal reflection, partial internal reflection, Fresnel reflection, light propagation in optical fibers, Beer-Lambert’s Law, a historical review of side illuminated optical fibers and optical absorption, fluorescence and scattering.  
Transfer Credit: UC/CSU  
Effective Summer 2015 (Approved: CC, Senate, BOT, CCC)

PHYSICS 037 (5.00 Units)  
PHYSICS FOR ENGINEERS AND SCIENTISTS I  
4.00 hours lecture and 3.00 hours lab  
Prerequisites: Completion of Physics 011 and Mathematics 265 or equivalents with grades of 'C' or better.  
Grading: Letter Graded  
A calculus-based physics course for science and engineering majors covering classical mechanics and thermodynamics.  
Transfer Credit: UC/CSU

PHYSICS 038 (5.00 Units)  
PHYSICS FOR ENGINEERS AND SCIENTISTS II  
4.00 hours lecture and 3.00 hours lab  
Prerequisite: Completion of Physics 037 with a grade of 'C' or better or concurrent enrollment.  
Grading: Letter Graded  
Designed for Physics, Astronomy, Chemistry, Engineering & Mathematics majors. Topics include electric charge and electric fields, electric energy storage, electric currents, magnetism, electromagnetic induction, electromagnetic oscillations, AC circuits, and Maxwell’s Equations.  
Transfer Credit: UC/CSU  
Effective Summer 2015 (Approved: CC, Senate)

PHYSICS 039 (5.00 Units)  
PHYSICS FOR ENGINEERS AND SCIENTISTS III  
4.00 hours lecture and 3.00 hours lab  
Prerequisite: Completion of Physics 037 with a grade of 'C' or better. Completion of Math 266 with a grade of 'C' or better or concurrent enrollment.  
Grading: Letter Graded  
Third course in a series of physics with calculus for majors in chemistry, engineering, mathematics and physics. Topics include wave phenomena, electromagnetic radiation, relativity, quantum mechanics and nuclear physics.  
Transfer Credit: UC/CSU  
Effective Summer 2015 (Approved: CC, Senate)

PHYSIOLOGY

PHYSIOLOGY 001 (4.00 Units)  
INTRODUCTION TO HUMAN PHYSIOLOGY  
3.00 hours lecture and 3.00 hours lab  
Prerequisite: Completion of Chemistry 065, 066, 101 or one year of high school chemistry with a grade of ‘C’ or better. Concurrent enrollment in lecture and laboratory section is required.  
Grading: Letter Graded  
An introduction to principles of human physiology from chemical/cellular to system levels of organization with an emphasis on the maintenance of homeostasis by the various organ systems. Success in human physiology is enhanced by a prior background of human anatomy. This course meets the prerequisite for pre-nursing or preparation for allied-health occupations. Physiology 1 meets the California Nursing Board Standards for credit as Continuing Education for Registered Nurses and is approved for 80 hours of Continuing Education credit under provider number 02152. A materials fee of $20.00 is required.  
Transfer Credit: UC/CSU

POLITICAL SCIENCE

POL SCI 001 (3.00 Units)  
THE GOVERNMENT OF THE UNITED STATES  
3.00 hours lecture  
Grading: Letter Graded  
This is an introductory course in the principles and problems in the national, state, and local areas. This course meets California State University requirements for United States Constitution and California state and local government.  
DE**  
Transfer Credit: UC/CSU

POL SCI 002 (3.00 Units)  
MODERN WORLD GOVERNMENTS  
3.00 hours lecture  
Grading: Letter Graded  
An introduction to the comparative study of government and politics. Examines similarities and differences in political institutions, political processes, and public policy across diverse states and regions of the world. Emphasis is on Great Britain, France, Germany, Russia, and Asian, Latin American or African or Mideast governments such as Japan, Mexico and Nigeria or Iran.  
DE**  
Transfer Credit: UC/CSU
POL SCI 004 (3.00 Units)
INTRODUCTION TO STATE AND LOCAL GOVERNMENTS
3.00 hours lecture
Grading: Letter Graded
This general survey course introduces the student to the various functions, structures and services of California government, its relations to local governments, and their interrelationships with the federal government.
Transfer Credit: CSU

POL SCI 007 (3.00 Units)
CONTEMPORARY WORLD AFFAIRS
3.00 hours lecture
Grading: Letter Graded
This course analyzes political, historical, geographic, economic and strategic factors that underlie conflict and cooperation among nation-states, international organizations, and other political actors in the international system. Emphasis is on international relations theories, processes and policies.
Transfer Credit: UC/CSU

POL SCI 030 (3.00 Units)
THE POLITICAL PROCESS
3.00 hours lecture
Grading: Letter Graded
This course surveys the foundation and development of democracy in the United States. Emphasis is placed on the philosophies of the framers of the U.S. and California constitutions and the impact of the federal, state and local structure on the political processes and policies of the United States. This course meets California State University requirements for United States Constitution and California state and local government.
Transfer Credit: UC/CSU

POL SCI 041 (2.00 Units)
PRINCIPLES OF STUDENT LEADERSHIP
2.00 hours lecture
Grading: Letter Graded
This course prepares students in the theory and practice of organization, individual and group leadership, and the development of decision making skills. It is open to all students and emphasizes campus shared governance, including issues raised by the Associated Student Organization.
Transfer Credit: CSU

POL SCI 285 (3.00 Units)
DIRECTED STUDY - POLITICAL SCIENCE
2.00 hours lecture
Grading: Letter Graded
Students study Political Science on a contract basis under the direction of a supervising instructor.
*UC credit may be granted by petition after transfer.
Transfer Credit: CSU

POL SCI 385 (3.00 Units)
DIRECTED STUDY - POLITICAL SCIENCE
3.00 hours lecture
Grading: Letter Graded
This course allows students to pursue Directed Study in the field of Political Science on a contract basis under direction of the instructor. The student’s writing will analyze the policymaking process in the issue area chosen, including the identification of the problem, placement on the policy agenda, development/formulation and adoption of the policy, and its implementation and evaluation.
Transfer Credit: CSU

PROCESS PLANT TECHNOLOGY

PRPLTEK 101 (3.00 Units)
INDUSTRIAL WASTEWATER TREATMENT
3.00 hours lecture
Grading: Letter Graded
Transfer Credit: CSU
Effective Summer 2015 (Approved: CC, Senate)

PSYCHOLOGY

PSYCH 001 (3.00 Units)
GENERAL PSYCHOLOGY I
3.00 hours lecture
Grading: Letter Graded
This course covers a basic introduction to the scientific study of human behavior including emotion, motivation, growth & development, learning & memory, personality, intelligence, sensation, perception, social psychology, biology of behavior, abnormal behavior, and mental health. Relevant areas such as dreams, interpersonal communication, sexuality, aging, death, creativity, multi-cultural diversity, and stress are also presented.
DE**
Transfer Credit: UC/CSU

PSYCH 002 (3.00 Units)
BIOLOGICAL PSYCHOLOGY
3.00 hours lecture
Prerequisite: Completion of Psychology 001 with a grade of ‘C’ or better.
Grading: Letter Graded
This course is a study of the physiological basis of human behavior through an understanding of the structure and function of the sensory receptors, and the central nervous system, the muscular effectors, the glandular effectors, the physiological aspects of motivation, learning, emotion, memory, and other higher brain functions.
DE**
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education TBA** indicates that this course may be offered in TBA format
PSYCH 003 (3.00 Units)
PERSONALITY AND SOCIAL DEVELOPMENT
3.00 hours lecture
Grading: Letter Graded
This course encourages the attainment of more effective behavior through increased understanding of personality dynamics. Basic techniques for recognizing and dealing with emotions and defenses are studied. The student is invited to explore his or her own feelings and experiences in the light of fundamental principles of awareness, clarification, integration, and growth of selfhood.
DE**
Transfer Credit: CSU

PSYCH 010 (3.00 Units)
PRINCIPLES OF PSYCHOLOGY
3.00 hours lecture
Prerequisite: Completion of Math 227 or Stats 1 and Psychology 001 with a grade of 'C' or better.
Grading: Letter Graded
This course is an introduction to research design and statistical analysis for the behavioral sciences with a focus on the application of the philosophy of science and the scientific method. Students learn to design and conduct research, analyze data using descriptive and inferential statistics, and report results using the American Psychological Association format. The hands-on approach to this course exposes students to the challenges and skills involved in actively participating on a research team while conducting their own independent research projects.
Transfer Credit: UC/CSU

PSYCH 014 (3.00 Units)
ABNORMAL PSYCHOLOGY
3.00 hours lecture
Prerequisite: Completion of Psychology 001 with a grade of 'C' or better.
Grading: Letter Graded
This course considers the major diagnostic, etiologic, and treatment issues for a variety of categories of abnormal behavior and psychological disorders. The course examines disorders related to anxiety, stress, mood, schizophrenia, eating, substance abuse, memory and organic dysfunctions, and personality. Social, cultural, legal and ethical issues of psychopathology are included.
DE**
Transfer Credit: UC/CSU

PSYCH 041 (3.00 Units)
LIFE-SPAN PSYCHOLOGY: FROM INFANCY TO OLD AGE
3.00 hours lecture
Prerequisite: Completion of Psychology 001 with a grade of 'C' or better.
Grading: Letter Graded
This course presents the psychosocial development of the person from the pre-natal period to old age and death. Emphasis is placed on theories and their application to the behavioral, cognitive, social and biological aspects of human development. Topics covered in this course include physical development, intelligence, personality, self-concept, and social roles, tasks, changes, and adjustments related to each phase of the life-span.
DE**
Transfer Credit: UC/CSU

REAL ESTATE

REAL ES 001 (3.00 Units)
REAL ESTATE PRINCIPLES
3.00 hours lecture
Grading: Letter Graded
This is an overview of the fundamentals of real estate for those interested in getting a real estate state sales license or investing in real estate. Real Estate Sales license examination applicants are required to complete this course with a passing grade.
Transfer Credit: CSU

REAL ES 003 (3.00 Units)
REAL ESTATE PRACTICES
3.00 hours lecture
Prerequisite: Real Estate 1 or real estate sales license.
Grading: Letter Graded
Stresses day to day operations in real estate sales and brokerage activities. California’s real estate sales and broker’s license applicants are required to complete this course with a passing grade.
Transfer Credit: CSU

REAL ES 005 (3.00 Units)
LEGAL ASPECTS OF REAL ESTATE I
3.00 hours lecture
Grading: Letter Graded
A study of California real estate law. A broker exam required class.
Transfer Credit: CSU

REAL ES 007 (3.00 Units)
REAL ESTATE FINANCE I
3.00 hours lecture
Grading: Letter Graded
A broker exam required class. Studies the financing of purchased property.
Transfer Credit: CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
REAL ES 014 (3.00 Units)
PROPERTY MANAGEMENT
3.00 hours lecture
Grading: Letter Graded
A broker exam required class. Also meets part of the sales license requirement. Covers the management of residential real estate. This class is offered once a year.
Transfer Credit: CSU

REAL ES 016 (3.00 Units)
INCOME TAX ASPECTS OF REAL ESTATE
3.00 hours lecture
Grading: Letter Graded
This basic course covers the impact of Federal and California state income tax on the purchase, sale, exchange, and use of real property. Included among the topics covered are depreciation, capital gains, installment sales, and tax-saving opportunities.
Transfer Credit: CSU

REAL ES 018 (3.00 Units)
REAL ESTATE INVESTMENTS I
3.00 hours lecture
Grading: Letter Graded
A thorough analysis of investment factors is made to determine the value of commercial, industrial, and residential projects. Among the areas emphasized are site location, feasibility studies, zoning, other restrictions, financing, sales and leaseback, and condominiums.
Transfer Credit: CSU

REAL ES 021 (3.00 Units)
REAL ESTATE ECONOMICS
3.00 hours lecture
Required course for the real estate brokers license. Studies factors affecting the real estate market.
Grading: Letter Graded
Transfer Credit: CSU

SERVICE LEARNING

SERVLRN 100-1 (1.00 Units)
INTRODUCTION TO SERVICE LEARNING I
0.50 hours lecture and 1.00 hours lab
Grading: Pass/No Pass
This is an activity course in which students provide service to public and private agencies. It emphasizes course content while nurturing a sense of social responsibility, ethics of service, and civic skills in students. This course is integrated with and enhances the curriculum of the students by applying course content and classroom learning in courses with service learning components. This course may be scheduled at times to be arranged (TBA) for a minimum of 27.00 hours.
DE**
Transfer Credit: CSU

SOCIOLOGY

SOC 001 (3.00 Units)
INTRODUCTION TO SOCIOLOGY
3.00 hours lecture
Grading: Letter Graded
This course provides an introduction to the general principles of sociology, emphasizing social organization, change and interaction. Reference is made to varied world cultures with concentration upon social institutions in our own society. Topics include culture, status, role, personality, socialization, social groups, social power, family, social stratification, collective behavior, and social change.
DE**
Transfer Credit: UC/CSU

SOC 002 (3.00 Units)
AMERICAN SOCIAL PROBLEMS
3.00 hours lecture
Recommended prerequisite: Eligibility for English 101, or eligibility for and concurrent enrollment in English 28.
Grading: Letter Graded
This course analyzes social problems and aspects of social change in a multi-cultural environment. Problems analyzed objectively include those which reflect the pressing issues of population and family life, personal and social disorganization, crime and delinquency, economics and politics, education and propaganda, race and ethnic relations, social planning and reform and war and peace in a contracting world.
DE**
Transfer Credit: UC/CSU

SOC 004 (3.00 Units)
SOCIOLOGICAL ANALYSIS
3.00 hours lecture
Grading: Letter Graded
This class is an introduction to the scientific study of social phenomena. Topics include research design, conceptualization, measurement, sampling methodology, and both qualitative and quantitative data analysis. Students analyze specific data collected in the field.
Transfer Credit: UC/CSU

SOC 012 (3.00 Units)
MARRIAGE AND FAMILY LIFE
3.00 hours lecture
Grading: Letter Graded
This course provides a sociological analysis which contributes to an understanding of the origin, structure, and functions of marriage and family life. This course includes, but is not limited to, studies of sex roles, legal controls, religious attitudes, mixed marriages and financial and family planning. There is an emphasis on marriage and family as a social institution and on the multicultural influences on this institution in society today.
DE**
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
SOC 021 (3.00 Units)
HUMAN SEXUALITY
3.00 hours lecture
This course meets the California Nursing Board Standards for credit as continuing education for Registered Nurses and is approved for 60 hours of continuing education credit under provider number 02152.
Grading: Letter Graded
This course provides a comprehensive introduction to the cultural, behavioral, psychosocial, and biological aspects of human sexuality in a way that is meaningful to students. Topics will also include AIDS, physical and emotional orgasmic response, myths, sexual variance and dysfunction, gender identity, gender roles, communication about sex, love. Improving sexual satisfaction, sexuality throughout life cycle and cross-cultural variations in sexual expression.
DE**
Transfer Credit: UC/CSU

SPANISH

SPANISH 001 (5.00 Units)
ELEMENTARY SPANISH I
5.00 hours lecture
Credit is allowed for only one: Spanish 1 or the Spanish 21 and 22 combination.
Grading: Letter Graded
This course stresses the mastery of Spanish fundamentals. Particular emphasis is placed upon developing the student's ability to read, write, speak, and understand simple, idiomatic Spanish, including pronunciation, vocabulary, and elementary grammar.
Transfer Credit: UC/CSU

SPANISH 002 (5.00 Units)
ELEMENTARY SPANISH II
5.00 hours lecture
Prerequisite: Completion of Spanish I or the Spanish 21 and 22 combination with a grade of "C" or better or two years of high school Spanish or equivalent.
Grading: Letter Graded
This course is a continuation of Spanish 1. The student's ability to speak and understand Spanish is developed. Emphasis is also placed on correct pronunciation, vocabulary, and sentence structure. Reading and writing of basic Spanish are also further developed. Introduction to Hispanic culture.
Transfer Credit: UC/CSU

SPANISH 003 (5.00 Units)
INTERMEDIATE SPANISH I
5.00 hours lecture
Prerequisite: Completion of Spanish 2 with a grade of "C" or better, or three years of high school Spanish or equivalent.
A thorough review of Spanish grammar is given in this course along with an introduction to advanced grammatical concepts. Emphasis is also placed on the development of the student's ability to express written and oral language, vocabulary building, reading comprehension, and increasing proficiency in pronunciation.
Grading: Letter Graded
Completes and reviews the study of Spanish grammar. Introduction to Spanish literature.
Transfer Credit: UC/CSU
Effective Summer 2015 (Approved: CC, Senate)

SPANISH 004 (5.00 Units)
INTERMEDIATE SPANISH II
5.00 hours lecture
Prerequisite: Completion of Spanish 3 with a grade of "C" or better or four years of high school Spanish or equivalent.
This course is a continuation of Spanish 3. Further development of writing and communication skills through the study of representative Spanish and Latin American literary and cultural works where the focus is on analysis and discussion. Sustained study of grammar and vocabulary with emphasis on complex structures and styles and the use of idiomatic expressions will also be developed.
Grading: Letter Graded
Transfer Credit: UC/CSU
Effective Summer 2015 (Approved: CC, Senate)

SPANISH 008 (2.00 Units)
CONVERSATIONAL SPANISH
2.00 hours lecture
Prerequisite: Completion of Spanish 2 with a grade of "C" or better or equivalent.
Grading: Pass/No Pass
Transfer Credit: UC/CSU

SPANISH 012 (3.00 Units)
CONTEMPORARY MEXICAN LITERATURE
3.00 hours lecture
Grading: Letter Graded
This course includes a presentation of Mexican and Chicano literary works of various genres with emphasis on the 20th century. Students will read the texts in English. Lecture is also in English.
Transfer Credit: UC/CSU

SPANISH 021 (3.00 Units)
FUNDAMENTALS OF SPANISH I
3.00 hours lecture
Prerequisite: None. Not open to students having credit for Spanish 1.
This course is for absolute beginners. It covers the first half of Spanish 1. Offers an introduction to the fundamentals of Spanish pronunciation, grammar, vocabulary, sentence structure, and the use of idiomatic expressions. It stresses the ability to understand, read, write, and speak simple Spanish. Introduces cultural insights into Spanish and Spanish-speaking worlds.
Spanish 21 and 22 together are equivalent to Spanish 1.
Effective Summer 2015 (Approved: CC, Senate)
Grading: Letter Graded
Transfer Credit: UC/CSU

DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format
SPANISH 022 (3.00 Units)
FUNDAMENTALS OF SPANISH II
3.00 hours lecture
Prerequisite: Completion of Spanish 21 with a grade of "C" or better.
Grading: Letter Graded
This course completes the elementary grammar of Spanish. It offers practical material for simple conversation based on everyday experiences. Spanish 21 and 22 together are equivalent to Spanish 1.
Transfer Credit: UC/CSU

SPANISH 035 (5.00 Units)
SPANISH FOR SPANISH SPEAKERS I
5.00 hours lecture
Grading: Letter Graded
This course is designed to address the needs of the bilingual student. An introduction to written Spanish with an emphasis on the acquisition of a solid grammatical base, vocabulary enrichment, and spelling. Addresses all four skills in Spanish, but focuses on reading and writing. Includes readings on the geography, customs and cultures of Spain and Latin America.
Transfer Credit: UC/CSU

SPANISH 036 (5.00 Units)
SPANISH FOR SPANISH SPEAKERS II
5.00 hours lecture
Prerequisite: Completion of Spanish 35 with a grade of "C" or better.
Grading: Letter Graded
This course is a continuation of Spanish 35. Completes the study of grammar and continues the development of reading and writing skills. Further study of Spanish and Latin American culture and civilization.
Transfer Credit: UC/CSU

SPANISH 101 (1.00 Units)
SPANISH LANGUAGE LABORATORY
2.00 hours lab
Concurrent enrollment in Spanish class is required.
Grading: Pass/No Pass
An independent course in which students improve their reading, writing, speaking and comprehension skills by use of audio materials. Students must complete 36 hours for credit.
Transfer Credit: CSU

STATISTICS

STAT 001 (3.00 Units)
ELEMENTARY STATISTICS I FOR THE SOCIAL SCIENCES
3.00 hours lecture
Prerequisite: Completion of Mathematics 123C or higher or equivalent and Psychology 001 with a grade of "C" or better.
Recommended: Completion of Psychology 001 with a grade of "C" or better.
Grading: Letter Graded
Introduces fundamental tools of quantitative methods in research: data collection, organization, presentation, analysis and interpretation. Attention is given to tabulation, graphic presentation of data, measure of central tendency, variability, the normal curve, probability and statistical inference, linear correlation and research methods.
Transfer Credit: UC/CSU

SUPERVISED LEARNING ASSISTANCE

TUT 001T (0.00 Units)
SUPERVISED LEARNING ASSISTANCE
20.00 hours lab
Grading: No Grade Given
In this course, students will receive tutoring in a designated subject area(s) using course textbook(s) and other related materials. Cumulative progress and positive attendance records will be maintained for this non-credit, open entry/exit course. No tuition will be charged, nor will grades be received for enrollment in this course. This course will not appear on the student transcript.
Transfer Credit: Non Transferable

SUPERVISION

SUP 001 (3.00 Units)
ELEMENTS OF SUPERVISION
3.00 hours lecture
Grading: Letter Graded
This course covers the development of the many supervisory skills required of the first-line supervisor. This class is offered once a year.
Transfer Credit: CSU

SUPPLY WATER TECHNOLOGY

WATER 001 (3.00 Units)
MODERN WATER WORKS I
3.00 hours lecture
Grading: Letter Graded
Transfer Credit: Non Transferable

WATER 005 (3.00 Units)
WATER PURIFICATION II (POTABLE WATER)
3.00 hours lecture
Grading: Letter Graded
Transfer Credit: Non Transferable
Effective Winter 2015 (Approved: CC, Senate)
THEATER

THEATER 100 (3.00 Units)
INTRODUCTION TO THE THEATER
3.00 hours lecture
Grading: Letter Graded
A lecture course designed to provide the beginning student with a general knowledge of theater, television and motion pictures and their influences on modern society.
Transfer Credit: UC/CSU

THEATER 185 (1.00 Units)
DIRECTED STUDY—THEATER
1.00 hour lecture
Prerequisite: Student must qualify for advanced study in the Theater Arts Department.
Grading: Letter Graded
*UC credit may be granted by petition after transfer.
Transfer Credit: CSU
Effective Winter 2015 (Approved: CC, Senate)

THEATER 200 (3.00 Units)
INTRODUCTION TO ACTING
3.00 hours lecture
Grading: Letter Graded
Gain an appreciation of the work of the actor, and develop greater confidence in the projection of one’s personality.
Transfer Credit: UC/CSU

THEATER 232 (2.00 Units)
PLAY PRODUCTION II
6.00 hours lab
Grading: Letter Graded
Training and practice are given in all phases of mounting plays for stage and television.
TBA**
Transfer Credit: UC/CSU

THEATER 250 (2.00 Units)
CHILDREN’S THEATER PRODUCTION
6.00 hours lab
Grading: Letter Graded
The student gains experience in acting, directing and producing children’s plays.
TBA**
Transfer Credit: CSU

THEATER 270 (3.00 Units)
BEGINNING ACTING
3.00 hours lecture
Grading: Letter Graded
Learn techniques and skills for solving acting problems, and acquire fundamental knowledge of the acting process which can then be tested through the rehearsal and performance of scenes.
Transfer Credit: UC/CSU

THEATER 275 (2.00 Units)
SCENE STUDY
1.00 hour lecture and 2.00 hours lab
Prerequisite: Theater 270 or equivalent.
Grading: Letter Graded
Students have a chance to plan, rehearse, stage and produce projects in a repertory theater atmosphere.
Transfer Credit: UC/CSU

THEATER 279 (2.00 Units)
MUSICAL THEATER
1.00 hour lecture and 2.00 hours lab
Grading: Letter Graded
A performance class which integrates the elements of voice, dance and acting as required for performing in musicals. Emphasis is placed on learning musical theater techniques and preparing successful audition material for musicals.
Transfer Credit: UC/CSU

THEATER 291 (1.00 Units)
REHEARSALS AND PERFORMANCES I
3.00 hours lab
Grading: Letter Graded
This course affords the student the opportunity to customized their involvement in a theatrical production, based on their individual interest and skill level.
Transfer Credit: UC/CSU

THEATER 292 (2.00 Units)
REHEARSALS AND PERFORMANCES II
6.00 hours lab
Grading: Letter Graded
This course affords the student the opportunity to customized their involvement in a theatrical production, based on their individual interest and skill level.
TBA**
Transfer Credit: UC/CSU

*DE** indicates that this course may be offered as Distance Education
TBA** indicates that this course may be offered in TBA format

2014-2016 General Catalog

Course Descriptions * 197
THEATER 300 (3.00 Units)
INTRODUCTION TO STAGE CRAFT
3.00 hours lecture
This course is required of all theater majors.
Grading: Letter Graded
An introduction to technical theater 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.
Transfer Credit: UC/CSU

THEATER 310 (3.00 Units)
INTRODUCTION TO THEATRICAL LIGHTING
3.00 hours lecture
This course is required of all theater majors.
Grading: Letter Graded
This course involves the study and execution of stage lighting with emphasis on equipment, control, color and their relationship to design.
Transfer Credit: UC/CSU

THEATER 323 (3.00 Units)
STAGE MANAGEMENT AND PRODUCTION
3.00 hours lecture
Grading: Letter Graded
This course is a study of stage managerial practices and procedures. Students will study the organization of theatrical and multimedia production and the various aspects which interconnect in the production process.
Transfer Credit: UC/CSU

THEATER 550 (2.00 Units)
MULTIMEDIA PRODUCTION FOR THE STAGE
6.00 hours lab
Grading: Letter Graded
Students taking this course will develop theater skills including: video camera operation, video studio operation, telecommunication technology, and other ways of incorporating digital technology into the performing arts. Focus of this course will be on collaborative productions with other campuses within the United States and international sites.
Transfer Credit: CSU

VOCATIONAL EDUCATION

VOC ED 053CE (0.00 Units)
SPANISH FOR PUBLIC PERSONNEL
3.00 hours lecture
Grading: No Grade Given
Transfer Credit: Non Transferable

VOC ED 100CE (0.00 Units)
TYPING
3.00 hours lecture
Grading: No Grade Given
Transfer Credit: Non Transferable

VOC ED 106CE (0.00 Units)
WORD PROCESSING
3.00 hours lecture
Grading: No Grade Given
Transfer Credit: Non Transferable

VOC ED 117CE (0.00 Units)
CLERICAL SKILLS
3.00 hours lecture
Grading: No Grade Given
Transfer Credit: Non Transferable

WILDLAND FIRE TECHNOLOGY

WFT 302 (1.00 Units)
BASIC INCIDENT COMMAND SYSTEM (I-200)
1.00 hour lecture
Grading: Letter Graded
This course is designed to enable wildland fire personnel to operate efficiently during an incident or event within the Incident Command System (ICS). This course focuses on the management of single agency resources.
Transfer Credit: Non Transferable

WFT 313 (0.50 Units)
INTRODUCTION TO WILDLAND FIRE BEHAVIOR
0.50 hours lecture
Grading: Letter Graded
Transfer Credit: Non Transferable

WFTO 351 (0.50 Units)
WILDLAND FIRE SAFETY REVIEW
0.50 hours lecture
Grading: Letter Graded
This course is a review of safety techniques used in fighting wildland fires. Emphasis is on the environmental factors such as weather, fuel and topography and their impact on the behavior of wildland fires. Historical fire incidents, in which deaths have occurred due to lack of environmental awareness are reviewed.
Transfer Credit: Non Transferable

Effective Winter 2015 (Approved: CC, Senate)
College Presidents

Raymond J. Casey, (Director) 1949-1958
Wendell C. Black, 1958-1971
Kenneth W. Williams, (Acting) 1971-1972
Eugene A. Pimentel, 1972-1979
Edward W. Robings, (Acting) 1979-1980
James L. Heinselman, 1980-1989
James L. Heinselman, 1990-1998
Francisco C. Quiambao Jr., (Acting) 1999-2000
Dr. Linda M. Spink, 2000-2010
Marvin Martinez, 2010-2013
Farley Herzek, (Interim) 2013-2014
Dr. Otto W.K. Lee, 2014-

Faculty

Joshua Abarbanel (2001)
Instructor, Art
B.S., UC Los Angeles; M.F.A., UC Berkeley

Michael Agopian (2002)
Associate Professor, Sociology
M.A., CSU Los Angeles; Ph.D., Univ. of Southern Calif.

Tigran Alikhanyan (2012)
Assistant Professor, Mathematics
M.S., Yereven State University, Armenia,
M.S., UC Los Angeles

Karen Amano-Tompkins (2014)
Instructor, English
A.B. Cornell University, M.A. Columbia University

Joachin Arias (2007)
Instructor, Chemistry
B.S., M.S. CSU Los Angeles; Ph.D., UC Los Angeles

Jenny Arzaga (2010)
Assistant Professor, Nursing
B.S.N., CSU Dominguez Hills; M.S.N., CSU Dominguez Hills

Stephanie A. Atkinson-Alston (2013)
Dean, Academic Affairs
A.A., Columbia College, B.S., Southern Illinois Univ., M.A., CSU
Fresno, Ed.D., Fielding Graduate University

Nabeel Barakat (1994)
Associate Professor, Health and Kinesiology
Chairperson, Kinesiology
B.A., M.A., CSU Long Beach

Juan Baez (2010)
Instructor, Theater Arts
B.A., CSU Dominguez Hills, M.A., CSU Los Angeles

Cassandra A. Betts (1990)
Instructor, Child Development Department
B.A., San Jose State Univ.; M.A., Atlanta Univ.

Adrienne C. Brown (2013)
Instructor, Counseling
Career Counselor, Career & Transfer Center
A.A. Fullerton College, B.A. UC Los Angeles,
M.A. San Diego State University

Stephanie D. Brown (2013)
Instructor, Communications
B.A., CSU Dominguez Hills, M.F.A. Mills College

Scott Callihan (2009)
Associate Professor, Architecture
B.A., Cal Poly Pomona

Andrea C. Cano (2012)
Instructor, English as a Second Language (ESL)
B.A., Univ. of California, Berkeley; M.S. CSU Fullerton; Fulbright Fellow, Chile, 2007

Carmen Carrillo (1993)
Acting Dean, Academic Affairs
Professor, English
A.A., L.A. Valley College; B.A., Loyola Marymount Univ.;
M.A., Univ. of Iowa

James Carver (2011)
Instructor, Mathematics
B.S., University of Arkansas, Fort Smith, M.S., Northern Arizona
University

Van Chaney (2013)
Instructor, Political Science
B.A., Loyola Marymount Univ.; M.P.A., CSU Northridge

Msien-ming Chen (2014)
Instructor, Technical Theater
B.A., CSU Long Beach; M.F.A., CSU Long Beach

Elizabeth Colocho (2000)
Professor, Counseling
B.A., M.A., CSU Dominguez Hills

John Corbally (1988)
Faculty

Professor, English
B.S., M.A., CSU Los Angeles

Leslie Cordova-Trujillo (2008)
Instructor, Health & Kinesiology
B.S., M.A., CSU Los Angeles

Alexandra Sasha David (2013)
Instructor, Anthropology
B.A., Cornell Univ.; M.A., Ph.D., UC Los Angeles

Charles L. Davis (1981)
Professor, Computer Information Systems
B.A., San Diego State Univ.; M.B.A., Pepperdine Univ.

Giovanni Delrosario (2010)
Associate Professor, Culinary Arts
A.A.S. Truckee Meadows Comm. College,
B.S., M. Ed., Univ. of Nevada, Las Vegas

Ibtesam Dessouky (2000)
Librarian, Library Science
B.A., M.L.S., Univ. of Illinois, Urbana-Champaign

Dean Dowty (2014)
Instructor, Health and Kinesiology
B.A., Utah State Univ., M.A. American Public Univ.

Jassiel Dominguez (2014)
Counselor
B.A., UC Santa Barbara; M.Ed., UC Los Angeles

Ana Esther Escandon (1995)
Associate Professor, Biology and Physiology
B.S., M.S., CSU Long Beach; Ph.D., UC Los Angeles

Joy P. Fisher (1988)
Professor, Counseling
Chairperson, Counseling Division
B.A., M.S., CSU Long Beach

Michael Fradkin (2013)
Instructor, Economics
A.A., Pierce College; B.S., CSU Northridge; M.A., CSU Los Angeles

Mani S. Gagrat (1979)
Professor, Mathematics
B.A., M.A., Univ. of Kanpur, India;
Ph.D., Indian Institute of Technology

Eddie Galvan (2014)
Instructor, Psychology
A.A., Rio Hondo College; B.A., M.S., CSU Los Angeles

Gary Gonzales (1989)
Professor, Counseling
B.A., M.S., CSU Long Beach

Paul F. Grady (1987)
Professor, English as a Second Language
Director, Learning Assistance Center
B.A., State College at Boston; M.A., Univ. of Hawaii

Jean R. Grooms (2013)
Assistant Professor, English
B.S., Middle Tennessee State University; M.A. CSU Dominguez Hills

Amarylles D. Hall (1996)
Counselor, Special Programs
B.S., M.S., California State Univ. Los Angeles

Associate Professor, Spanish
B.A., M.A., CSU Long Beach

Michael J. Hiscocks (2000)
Instructor, Music
B.M., M.M., CSU Northridge

Fredrick Ho (2007)
Assistant Professor, Accounting
B.S., Univ. of Southern Calif.; MBA, CSU Los Angeles

Wendy Hoffman (2013)
Instructor, Business
B.S., M.B.A., M.A., CSU Dominguez Hills

Delores Jones Hudson (1995)
Assistant Professor, English
B.A., M.A., CSU Dominguez Hills

Basil O. Ibe (1997)
Instructor, Chemistry
B.S., Pepperdine Univ.; M.S., Idaho State Univ.;
Ph.D., Univ. of Texas at Austin

Maritza Jimenez-Zeljak (2000)
Instructor, Mathematics
B.A. Mathematics; M.S. Applied Mathematics, CSU Long Beach

Ellen Joiner (1996)
Professor, History
M.A., Univ. of Nebraska-Lincoln; Ph.D., Univ. of Illinois-Chicago

Lorrie Kato (2013)
Instructor, Psychology
B.A., UC Irvine; M.A., Univ. Southern Calif.; M.A. Pepperdine;
Ph.D., Fielding Graduate Univ.
Faculty

Daniel Keller, DMA (2010)
Associate Professor, Music
B.M., Northern Arizona Univ.; M.M., Univ. of Oklahoma;
D.M.A., Univ. of Southern California

Shazia Khan (2009)
Assistant Professor, Developmental Communications
B.A., CSU Fullerton, M.A., Univ. of LaVerne

Yesenia King (2012)
Instructor, Sociology
A.A., Orange Coast College; B.A., CSU Long Beach;
M.A. CSU Fullerton

Lora Lane (1996)
Instructor, Computer Science Information Technology
B.S., M.S., CSU Northridge

Deborah Larson (2010)
Assistant Professor, Nursing
B.S.N., Barry College; N.P. University of Miami; M.N. UC Los Angeles

Jonathon Lee (1995)
Librarian
Chairperson, Library Division
B.A., Univ. of Judaism; M.L.I.S., UC Los Angeles

Elsie Linares (2007)
Instructor, Computer Applications and Office Technologies (CAOT)
A.A., Los Angeles Harbor College; B.A., M.A., CSU Los Angeles

William Loiterman (1970)
Professor, Political Science and History
A.B., M.A., Ph.D., UC Los Angeles

Priscilla Lopez (2014)
Associate Dean, Grants Management, Economic & Workforce Development
B.S., CSU Fresno; M.B.A., CSU Long Beach

Evelyn Lum (2000)
Instructor, Nursing
B.S.N., Andrews Univ.; M.N., UC Los Angeles

Frank Ma (1989)
Associate Professor, Mathematics
B.S., Univ. of New Mexico; M.S., Michigan St. Univ.;
Ph.D., Univ. of Michigan

Elliott J. Mason, Jr. (1973)
Assistant Professor, Counseling
B.A., Univ. of Redlands; M.Div., Yale Univ.; M.A., Stanford Univ.;
Ph.D., California School of Professional Psychology

Jay D. McCafferty (1982)
Associate Professor, Art
B.A., CSU Los Angeles; M.F.A., UC Irvine

Timothy McCord (1999)
Assistant Professor, Physiology
B.S., Ph.D., UC Irvine

Susan Welsh McMurray (1997)
Associate Professor, English
B.A., M.A., CSU Dominguez Hills

Carol J. Minami (1976)
Instructor, Child Development Center
B.A., CSU Long Beach

Edie Moore (2006)
Associate Professor, Nursing
B.S., CSU Dominguez Hills, M.S.N., UC Los Angeles

Maria Elena Moreno (1978)
Instructor, Child Development Center
A.A., Los Angeles Harbor College

Steven L. Morris (1989)
Professor, Physics and Astronomy
B.S., Univ. of Toronto; M.S., St. Mary’s Univ., Halifax;
Ph.D., Univ. of Calgary

Tissa Munasinghe (1998)
Associate Professor, Earth Sciences
B.S., Univ. of Peradeniya, Sri Lanka; Ph.D., UC San Diego

Micaela Murillo (2008)
Counselor
B.A., M.A., CSU Dominguez Hills

Daryle Nagano-Krier (2008)
Assistant Professor, Communication Studies
B.A., M.A., CSU Fullerton

Kaman Ng (2013)
Counselor/Coordinator, EOPS/CARE/CalWorks
B.A., UC Santa Cruz; M.A., San Diego State Univ.

Son Nguyen (2010)
Instructor, History
B.A., M.A., Cal Poly Pomona

Sue Nowinski (2004)
Associate Professor, Nursing
B.S.N. CSU Long Beach; M.S.N. CSU Los Angeles

David O’Shaughnessy (1997)
Instructor, Philosophy and Humanities
B.A., Biola Univ.; M.A., San Francisco State Univ.
Norkor Omaboe (2002)
Associate Professor, Health and Kinesiology
B.A., B.S., University of Lausanne, Switzerland, M.S., CSULB

Nobeyba Ortega (2012)
Assistant Professor, Nursing
B.S.N., CSU Dominguez Hills; M.S.N., CSU Long Beach

Joyce E. Parker (1971)
Professor, Family and Consumer Studies
Chairperson, Science and Family and Consumer Studies Division
B.S., M.A., CSU Long Beach

Professor, Counseling
B.S., CSU Dominguez Hills; M.S., CSU Los Angeles

Elena Reigadas (2007)
Assistant Professor, Psychology
B.A., CSU Dominguez Hills; M.A., Claremont Graduate Univ.;
Ph.D., Claremont Graduate Univ.

Melanie Patton Renfrew (1997)
Associate Professor, Geography
B.A., Bethel College; B.A., Univ. of Minnesota, Duluth;
M.A., Univ. of Minnesota; Ph.D., UC Los Angeles

Michael Reid (2011)
Instructor, Administration of Justice
A.A., Golden West College; B.S., Univ. of LaVerne.;
M.A., Chapman Univ.

Delia Renteria (2012)
Assistant Professor, Spanish
B.A., Occidental College; M.A., CSU Long Beach

Susan Rhi-Kleinert (2012)
Associate Dean, Grants Management & Resource Development
B.A., CSU Northridge; MBA, Woodbury University

Corey Rodgers (2014)
Dean, Admission and Records-Enrollment Management
B.A. Univ. of CA, Irvine; M.A. Claremont Graduate Univ.

Zahra T. Romero (1999)
Instructor, Mathematics
B.A., Hope College, Holland, MI; M.A., Western Michigan Univ.

Sara Rubio (2012)
Instructor, Counseling
Transfer Director/Counselor, Career & Transfer Center
B.A. UC San Diego, M.A. San Diego State University

Daniel Ruiz, Jr. (2011)
Assistant Professor, Counseling
B.A., CSU Long Beach; M.A., CSU Dominguez Hills

Farzaneh Saddigh (2000)
Professor, Mathematics
B.A., Lincoln Univ.; M.A., Univ. of Missouri

Andrew Sanchez (2010)
Assistant Dean, Economic and Workforce Development
B.A., CSU San Francisco; M.S., Hunter College, City Univ. of New York

Sandra Sanchez (2011)
Dean, Economic and Workforce Development
B.S., CSU Long Beach; M.B.A., Univ. of Redlands

Stanley C. Sandell, Jr. (1974)
Professor, Business Law; Chairperson, Business Division
A.A., Glendale Community College; B.S., M.B.A, Univ. of Southern Calif.; J.D., Southwestern Univ.

Hale Savard (2011)
Assistant Professor, English
B.A., CSU Long Beach, M.A. CSU Long Beach

Joyce Saxton (1987)
Professor, Nursing
B.S., Univ. of Rochester; M.A., Univ. of San Francisco;
M.S., Univ. of Utah

John Paul Sikora (2012)
Assistant Professor, Mathematics
B.A., M.S., California State University Northridge

Byron J. Smith (2000)
Instructor, Music
B.M., CSU Long Beach, M.M., CSU Los Angeles

Michael Song (2000)
Instructor, Architecture
B.A., Cal Poly Pomona; M.A., Art Center College of Design

Jim Stanbery (1970)
Professor, Political Science
A.B., UC Berkeley; M.A., CSU Long Beach

Susan L. Steele (1999)
Counselor, Special Programs and Services
B.A., M.A., Univ. of Colorado at Colorado Springs

Carole K. Stevenson (1993)
Director, Student Health Center
BSN, St. Louis University, MSN, University of Connecticut
Family Nurse Practitioner-Certified, University of Colorado
Faculty

Kent Stoddart (2008)
Assistant Professor, English
B.A., M.A., California State Univ. Los Angeles

Craig D. Sutherland (1995)
Instructor, Engineering and Mechanical Drafting
A.S., Los Angeles Harbor College; B.S., CSU Long Beach

Nestor Tan (1995)
Associate Vice President, Administrative Services
B.S., Adamson Univ.; M.B.A., Keller Graduate School of Mgt. of DeVry Univ.

Cindy Tseng (2014)
Instructor, Music
B.A., UCLA; M.M. Northwestern Univ., Ph.D. (ABD) Univ. of Oklahoma

Mario Valadez (2014)
Instructor, History
A.A., Golden West College; B.A., UC Los Angeles; M.A., UC Santa Barbara

Bobbi Villalobos, (2013)
Dean, Academic Affairs
A.A. Pasadena City College; BA Humboldt State; M.A. CSU Long Beach; Ed.D., Pepperdine University

Kathy T. Vo (2010)
Assistant Professor, Nursing
B.S.N., CSU Dominguez Hills; M.S.N., CSU Dominguez Hills

Randy L. Wade (2002)
Instructor, Biology
B.A., UC Berkeley; M.S., Ph.D., Northern Arizona Univ.

Associate Professor, English
B.A., Gonzaga Univ.; M.A., Boston College; Ph.D., Univ. of Southern Calif.

Doris Webster (1979)
Professor, Nursing
B.S.N., P.H.N., CSU Los Angeles; M.N., UC Los Angeles

Lynn Yamakawa (1994)
Professor, Nursing
Chairperson, Nursing
B.S.N., M.S.N., CSU Long Beach

Dean, Student Services
B.A., CU Northridge; M.A., Loyola Marymount Univ.

Susan E. Yoder (1995)
Associate Professor, Biological Science
B.A., UC Santa Barbara; M.S., CSU Los Angeles; Ph.D., UC Irvine

Bradley J. Young (2000)
Professor, Administration of Justice
Chairperson, Social and Behavioral Sciences Division
A.A., El Camino College; B.S., CSU Long Beach; M.A., Chapman Univ.

Faculty Emeriti

Clare F. Adams, 1993-1998
Dean of Academic Affairs

*Claudius A.V. Aklamakpe, 1969-1992
Assistant Professor of Anthropology

Norma Almquist, 1966-1980
Associate Professor of English

Ruth M. Anderson, 1966-1985
Professor of Music

David E. Arant, 1966-2003
Professor of Accounting

Ann I. Arnold, 1977-2004
Professor of Nursing

Susanne L. Aultz 1976-2007
Associate Professor of Music

*Nathan M. Banks, 1959-1982
Professor of Physics

*Sydell L. Baral, 1965-1995
Professor of Speech and Speech Pathology

Instructor of Earth Science

*Camille L. Baxter, 1955-1976
Professor; Library Coordinator

Professor of Mathematics

Richard F. Bernard, 1962-1979
Associate Professor of History;
Assistant Dean of Student Personnel Svcs

*Joe H. Berry, 1950-1972
Professor of Physical Education

Professor of Music

*Patricia A. Binding, 1961-1989
Professor of Physical Education

President
Muriel R. Blatt, 1968-1989
Professor of English
Pamela A. Bleich, 1961-1989
Professor of Library Services
Samuel Bluefarb, Ph.D., 1958-1979
Associate Professor of English
*Mary P. Borell 2000-2007
Instructor of English
Charles Bossler 1983-2006
Dean of Student Services
*Thomas L. Bottone, 1970-2006
Professor of Speech
Muriel E. Brewer, 1969-1976
Instructor of Special Reading and English
Barbara S. Burd, 1970-1989
Instructor of Nursing
Peggy C. Burkhardt, Ph.D., 1979-1989
Professor of English
Nuria Bustamante, 1989-2003
Instructor of Spanish
Rosemary Butte, Ph.D., 1954-1980
Professor of English
Margaret B. Cain, Ed.D., 1964-1974
Professor of English
Russell I. Calkins, 1961-1980
Assistant Professor of Automotive Technology
*Albert J. Campbell, 1970-1983
Associate Professor of Business
*Elisabeth R. Campbell, 1981-2000
Chairperson, Library Division; Professor of Library Services
Katherine Campbell, 1996-2015
Chairperson, Humanities and Fine Arts
Professor, Speech
Nancy E. Carson 1977-2007
Academic Affairs; Professor of Nursing
King Carter, 1977 - 2012
Instructor of Afro-American Studies; Chairperson, PACE
Professor of Speech
Professor of Mexican-American Studies; Instructor of Spanish
*Donald V. Carlucci, 1965-1987
Professor of Physical Education
*Raymond J. Casey, 1948-1958
Director
*John Cassone, 1959-1994
*Deceased

Associate Professor of Art
Professor of Business
Professor of Theater
Associate Professor of Physical Education
*Joseph F. Chartier, 1958-1982
Instructor of Automotive Technology
David Ching 1994-2014
Dean, Student Services and Evening Operations
Ruth M. Clarke, 1960-1979
Professor of Nursing
Dorothy Clayton 1976-2003
Professor of Education and Developmental Communications
Katherine A. Cleland, 1981-2012
Professor, Nursing
F. James Clines, 1949-1980
Professor of Vocational Education; Coordinator of Vocational Education
Peter Coad, Ph.D., 1979-1989
Professor of Physics
Marilyn Cohn, 1964-2000
Professor of Health
Eugene B. Collins, 1957-1974
Professor of Chemistry
Amy Coury, 1963-1989
Professor of Nursing
Associate Professor of History and Political Science
Assistant Dean of Academic Affairs
Karen Crummer, 1976-2013
Director, Child Development Center
*Kermit Dale, 1967-1974
Dean of Instruction
*Harold Daniels 1971-2000
Professor of Physical Education
*Joan Dawson, 1964-1990
Professor of English
*Dolores T. Denova 1984-2000
Professor of Business
Assistant Dean of Instruction
Professor of Mathematics
Patricia A. DiLeva, 1976-2008

Los Angeles Harbor College
Faculty Emeriti

Professor of Nursing and Physical Education, Health and Wellness

Professor of Education Psychology, Counselor
Leige Doffoney, 2009-2013
Dean, Academic Affairs
Reine B. Dorion, 1968-1992
Associate Professor of French
Stephen Downey 1980-2003
Professor of Mathematics
*Robert W. Dunn, 1954-1985
Professor of Political Science and History
Bonnie Easley, 1987-2000
Professor of History; Director of Learning Assistance Center;
Coordinator, Distance Education Programs
Marjorie S. Edelen 1979-2004
Associate Professor of English; Director of Learning Assistance Center; Coordinator, Distance Education Programs
Professor of Developmental Communications
Professor of Reading
Gerald Eliot, Ph.D., 1959-1985
Professor of Economics
*Patricia M. Elmore, 1970-1989
Associate Professor of Afro-American Studies
*Julian Enguidanos, 1960-1987
Assistant Professor of Spanish
Ellen Z. Erchul, Ph.D., 1957-1972
Professor of Sociology
*F. Fallon Evans, 1988-1992
Instructor of English
Donald M. Faber, 1970-1995
Professor of Physical Education and Recreation
Sally Smith Fasteau 1983-2013
Professor, Special Education, Director, Learning Assistance Center
*Howard V. Filer, 1964-1979
Professor of Printing
*Frank E. Fishbaugh, 1957-1985
Associate Professor of Business Data Processing
*Kenneth A. Fiske, 1961-1986
Professor of Electronics
Jesse J. Flores, 1969-1989
Assistant Professor of Counseling Services
Claudia B. Fonda-Bonardi, 1967-2004
Assistant Professor of English
Linda Forrest, 1971-2002

Professor of Chemistry
Martha Foster, 1989-2008
Assistant Professor, Nursing
Lawrence H. Frank, 1967-1994
Instructor of History
Beverly V. Fridley, 1968-2003
Professor of Psychology
Joan C. Fu, 1979 - 2012
Professor, Physics
Alice K. Fuerst, 1966-1981
Associate Professor of German and Spanish
Barbara T. Gallardo 1976 - 2011
Professor of Humanities, Philosophy and Anthropology
Professor of Mathematics
Janet Bell Garber, 1973-1986
Associate Professor of Biology
Andrea J. Gargaro, 1972-1995
Professor of Nursing
Dwight L. Garner, 1949-1977
Professor of Speech
Professor of Political Science and History
Dean of Instruction/Evening-Outreach
Harold W. Garvin, 1956-1979
Professor of Political Science
*Dora F. Gaut, 1968-1987
Instructor of Nursing
Associate Professor of Nursing; Assistant Dean of Instruction
Associate Professor of Theater Arts; Assistant Dean of Student Affairs
Professor of Nursing
Robert F. Gervais, 1957-1970
Associate Professor of Engineering
A. Lea Gettings, 1969-1986
Professor of Child Development
Regis C. Ginn, 1970-1989
Instructor of English
*Leonard Glover, 1976-2014
Professor, Electronics
Alfonse Gobran, 1958-1985
Professor of Mathematics
Sally Gogin, 1989-2004

*Deceased
Faculty Emeriti

Eugene N. Gottsdanker, 1957-1971
   Professor of Library Services

William L. Gram, 1966-1995
   Professor of Geology

*Victor D. Grassian 1971-2006
   Professor of Philosophy

Mahlon S. Green, 1968-1986
   Professor of Biology

Dennis Griffith, 2000-2011
   Professor of Child Development

Brenda Guertin, 1989-2012
   Professor of Counseling

*Robert J. Hanson, 1970-1986
   Professor of Business

Frank Harris, 1984-1989
   Professor of Automotive Technology

*Stephen P. Harshfield, 1972-1986
   Professor of Psychology; Counselor with Disabled

*J. Rayburn Hatfield, 1949-1969
   Dean of Educational Services

Jarmila Havlena, 1960-1983
   Professor of Art

   Professor of Engineering & Mechanical Drafting

James H. Heffron, 1963-1995
   Professor of Office Administration

Larry W. Heimgartner, 1973-2009
   Professor of Theater Arts

Elisabeth A. Heisch, 1965-1974
   Associate Professor of English

A. Leon Henry, 1989 - 2011
   Instructor, Physical Education

*Steve Hirsch, 1984-2014
   Associate Professor, Counseling and Psychology; EOP&S

Wendy W. Hollis, 1983-2007
   Nursing; Chairperson, Health Sciences Division

Charles R. Huff, 1958-2010
   Professor, Mathematics and Astronomy

*William R. Hughes, 1959-1984
   Instructor, English

David M. Humphreys, 2007-2012
   Dean, Academic Affairs

Christie O. Ichikawa, 1968-1989
   Professor of Nursing

Martin H. Ivener, 1968-1989
   Professor of Finance

Marilouise E. Jackson, 1972-1986
   Associate Professor of Nursing

Allan Jacobson, 1977-1993
   Professor of Developmental Communications

*Norman Jacot, 1956-1975
   Professor of Physical Education

*Armine Janeves, 1949-1971
   Professor of Business

DeAnn Jennings, 1978-2008
   Associate Professor of Art

Louise S. Johnson, Ph.D., 1957-1966
   Associate Professor of Psychology

Harold E. Johnston, 1971-1986
   Professor of Automotive Technology

*Harold H. Jones, 1949-1965
   Division Chairman, Humanities and Fine Arts

   Associate Professor, Counselor

Steve Judge, 1993-2003
   Instructor of Automotive Technology

Coni Juno, 1989-2014
   Associate Professor, Counseling

Kathleen Keller 1973-2007
   Professor of Mathematics

Verne B. Kelsey, 1966-1989
   Associate Professor of Physical Education

*Norman J. Kettering, 1949-1972
   Professor of Science

   Associate Professor of Technical Math & Computer Science

Jane Kimball, 1989-1995
   Assistant Professor of Nursing

Clarence O. Kimes, Jr., 1970-1989
   Professor of English

Robert B. Kirklin, 1977-1995
   Professor of Computer Information Systems

Fred F. Kokawa, 1980-1993
   Instructor of Automotive Technology

   Instructor of Humanities

Sylvia S. Lamont, 1964-1995
   Associate Professor of Library Services

Bruce W. Lemon 1972-2006
   Professor of Sociology; Chairperson, Behavioral Sciences Division

*Roberta Lindberg, 1958-1968

*Deceased
**Faculty Emeriti**

*Division Chairman, Nursing and Home Economics*
*Biserka V. Livesay, 1966-1994*
Professor of Humanities and Fine Arts
Marian Locascio, 2004-2014
Librarian, Library Science
David L. Loftin 1971-2002
Associate Professor of Psychology
Professor of English
James R. Madden, 1966-1984
Professor of Business
Nina Malone 1999-2012
Dean, Student Life
*Ramon M. Mann, 1968-1995*
Professor of Counseling Services
*Carmen L. Marinella, 1959-1981*
Professor of Business
Jean R. Marton, 1959-1983
Professor of Physical Education; Counselor
*J. Quentin Mason, Ph.D., 1978-1986*
Vice President of Administration
Samuel M. Mathews, Jr., 1970-1995
Professor of Mathematics
Jean M. McAlary, 1951-1976
Professor of Anthropology
*Regina E. McClain, 1949-1984*
Professor of Office Administration
Calvin C. McDaniel, 1953-1983
Professor of Chemistry
Lauren J. McKenzie, 1976-2013
Professor, Mathematics
Chairperson, Mathematics and Physical Sciences Division
*William H. McMasters, 1952-1969*
Assistant Dean of Admissions and Guidance
Walter H. McMullen, Jr., 1964-1995
Professor of Business
*Bobbie W. McTee, 1968-1995*
Professor of Physical Education
Gary E. Miller 1968-2011
Professor of Economics
*Kenneth B. Miller, 1977-2009*
Instructor of Music
E. Norene Monroe, 1970-1982
Instructor of Nursing
Raymond L. Moore, 1966-1995
Associate Professor of German
*Eunice L. Moorefield, Ph.D., 1950-1968*
*Deceased

Associate Professor of French
Maria Elena Moreno, 1978-2011
Instructor, Child Development Center
Vincent V. Mottola, 1969-1985
Professor of Physical Education; Assistant Dean of Student Affairs
Lorenz A. Mundstock, 1960-1995
Instructor of Philosophy
Albert Murphy, 1975-1982
Instructor of Air Conditioning and Refrigeration
Sachiye Nakano 1969-2002
Professor of Dance
*Loretta Newman, 1949-1977*
Professor of Psychology and Reading
Jeanne M. Nichols, 1960-1990
Professor of English
*Richard D. Noble, 1956-1980*
Professor of Psychology; Counselor
*Clarence W. Norris, Ed.D., 1972-1981*
Dean of Student Personnel Services
Rodney H. Oakes, 1972-2000
Associate Professor of Music
James P. O’Brien 1975-2001
Instructor of Physical Education
*Nance O’Neall, 1964-1972*
Associate Professor; Librarian
Reith Paine, 1967-1989
Professor of Mechanical Drafting and Engineering Technology
David M. Palmquist, 1958-1980
Professor of Mathematics
*Richard G. Parker, 1959-1983*
Professor of Humanities
Abbie L. Patterson (2003)
Vice President, Student Services
Jane P. Pavlina, 1982 - 2011
Professor, Mathematics
*Miriam H. Pearce, 1964-1983*
Professor of Nursing
*Reuben G. Plaskoff, 1959-1980*
Associate Professor of Speech, Drama
Evelyn Portis, 1994-2007
Professor of Nursing; Director of Learning Assistance Center; Coordinator, Distance Education Programs
*George Potter, 1971-1986*
Professor of Business
*George D. Price, 1968-1995*
Instructor of Biology
John R. Quier, 1954-1983
Vocational Education Administrator;
**Faculty Emeriti**

Professor of Vocational Education
Jack S. Radabaugh, Ph.D., 1968-1986
Professor of History and Environmental Studies; Assistant Dean of Admissions and Records

* Doris M. Ray 1960-2001
  Professor of Anatomy, Microbiology and Biology

* Martin Reiter, 1963-1983
  Professor of Geology

Associate Professor of Music

* Floyd M. Rhea, 1958-1985
  Division Chairman, Physical Education

Robert K. Richards, 2001 - 2011
Associate Dean, Academic Affairs

Bruce L. Ripley, 1968-1983
Instructor of Air Conditioning and Refrigeration

* Don J. Rogan, 1950-1975
  Associate Professor of History

Luis M. Rosas, 1978-2015
Vice President, Academic Affairs

* Sydney Ruffner, Ph.D., 1949-1972
  Associate Professor of Spanish

Kaye M. Sakai, 1973-1983
Librarian

B.H. Sampson, J.D., 1972-1982
Instructor of Business

Marilyn R. Sanacore 1973-2002
Professor of Nursing

* Janice H. Sandell, 1970 - 2011
  Professor of Sociology

* Samuel H. Sandt, 1989-2003
  Assistant Professor of Anthropology

* Antonio Q. Sarinana, 1970-1983
  Instructor of Sociology; Instructor-Advisor

* JoAnn Sarver 1997-2002
  Instructor of Business

Chesley T. Saunders, 1965-1983
Associate Professor of Physical Education

* Russell L. Sawyer, 1971-1982
  Instructor of Business

  Assistant Professor of Psychology

Joan Reighley Schaffner, 1988-1999
Professor of Nursing

Shirley A. Schwanzara 1972-2001
Professor of Biology

Robert Schweitzer, 1958-1984
Professor of Physics

Linda K. Shafor, 1971-2003
Assistant Professor of Physical Education

Adell Shay, 2000-2008
Associate Professor, Business Mgmt. & Marketing

Josephine M. Shepherd, 1963-1982
Professor of Nursing

  Professor of Microbiology

Harvey N. Siegel, 2001 - 2011
Assistant Professor of Administration of Justice

Patricia D. Singleton, 1959-1987
Associate Professor of Earth Science

Arnold Small, 1969-1986
Professor of Biology

Arlene Smith (2000)
Professor of Nursing

* Jack E. Smith, Ed.D., 1974-1984
  Professor of Economics; Vice President of Academic Affairs

June Burlingame Smith, 1986-2011
Professor, English

Leila R. Smith, 1965-1995
Professor of Office Administration

John M. Snider, Ph.D., 1965-1971
Instructor of Chemistry

Rose K. Snider, 1971-1986
Assistant Professor of Library Services

* Francis Sonico, Jr., 1969-1998
  Associate Professor of Computer Technology

Joan M. Sorensen, 1970-1984
Associate Professor of Nursing

  Vice President of Academic Affairs

Professor of Nursing, Assistant Dean of EOP&S

* Rosalyne S. Stern, 1980-1995
  Professor of French

  Instructor of History

George F. Swade, Sr., 1974-2010
Athletic Director

Elizabeth M. Swanson, 1961-1982
Associate Professor of Physical Education

* Robert Tabing, 1964-1979

* Deceased
Professor of Physical Education, Instructor-Advisor
Sherrill Tabing, 1966-2003
Professor of Psychology
*Thelma V. Taylor, 1949-1968
Library Coordinator
*Shirley K. Tendick, 1966-1999
Professor of Chemistry
Vitalina C. Thiel, Ph.D., 1975-1989
Associate Professor of Spanish
William D. Timberlake 1966-2002
Associate Professor of Chemistry
*Herbert A. Thomas, 1958-1977
Professor of Botany
Jack T. Thomas, 1966-1995
Professor of Biology and Physiology
*Annemarie Towner, 1964-1970
Assistant Professor of English
Deborah Tull (1988)
Director, Disabled Student Programs and Services
John Vosbigian, 1959-1993
Professor of Chemistry
Jack O. Wade, 1969-1983
Professor of English
Montague M. Wadey, 1950-1980
Professor of Biology; Counselor
Patricia I. Wainwright, 1978-1995
Vice President of Academic Affairs
Osamu Arthur Wakita 1965-2008
Professor of Architecture
*Terry D. Wallace, 1972-1993
Instructor of Physical Education
Associate Professor of English
*Van Guelder Waring, 1963-1978
Division Chairman, Social Science
*John Warstler 1984-2007
Instructor of Computer Information Systems
Pamela E. Watkins, 2000 - 2011
Associate Professor, English
Cheryl F. Watson, 1975 - 2011
Professor of Child Development
Nancy W. Webber, 1965-2000
Professor of Art
Professor of Nursing
*Karl R. Weber, 1956-1974

Professor of Business
R. David Weber, 1997-2005
Instructor of History and Economics
Don M. Weems, 1989-2010
Instructor, Physical Education
*Lawrence C. Welch, Ph.D., 1949-1970
Professor of Philosophy
*Gordon A. Wells, 1962-1995
Professor of Physical Education
*John K. Whelan, 1960-1978
Professor of Journalism
James J. White, 1967-2006
Professor of Physical Education
Patricia Wickers, 1993-2013
Professor, Nursing
*Kenneth R. Williams, 1950-1977
Dean of Educational Services
J. Harrison Wilson, 1980-1995
Associate Professor of Music
Mark D. Wood (1980)
Chairperson, Humanities and Fine Arts
Laurel Woodley, 1986-2004
Professor of Biology
*Lawrence J. Wong, 1976-1999
Assistant Professor of Music
Robert G. Wrenn, 1956-1995
Division Chairman, Professor of Business
Barbara R. Wright, Ed.D.,
1959-1981
Professor of Nursing
*Selwyn W. Yancy, 1949-1974
Division Chairman, Physical Education
William M. Young, 1968-1986
Associate Professor of Physical Education
*Henry P. Zbojniewicz, 1971-1995
Assistant Professor of Counseling Services
John Zoeger, 1970-1984
Associate Professor of Biology
*Nicholas Zorotovich, 1949-1970
Division Chairman, Social Sciences
Jo Rae T. Zuckerman, 1964-1999
Professor of Psychology; International Student Advisor

*Deceased
Adjunct Faculty

Lucille Acquaye-Baddoo,  
Political Science
Edward Afana, Jr.,  
Vocational Education
Peter A. Aguilera, Sociology
Geoffrey Aguirre, English
Arif Ahmed, Accounting
Deborah Aitken, Music
Brandon Alcocer, Kinesiology
Cheri Allmond, Nursing
Tommy Amano-Tompkins, English
Julia Anderson, Communication Studies

Nenita Andres-Sandor, Mathematics
Craig Antrim, Art
Lourdes Antonio, Nursing
Marc Alvilar, Kinesiology
Lloyd Ashmore, CSIT
Erin Auerbach, Journalism
Seongok Bae, French
Nagy Bakhum, Architecture
Natalie Bakhum, Architecture
Ramon Baltazar, Business
Marissa Banuelos, Sociology
Maria Barrio De Mendoza, Spanish
William Bell, Kinesiology
Yolanda Bell, Nursing
Sage Bennet, Philosophy
Beverly Berlin, Nursing
George Blake, English
Lisa Blod, Vocational Education
Allison Boyce, English
Mason Boyer, English
Romulo Broas, Mathematics
Kristy Brooks, Psychology
Brad Brown, Nursing
Paula Brown, Health
Thanh-Thuy Bui, Life Science
Larry Calabrese, Life Science
Cynthia Caloia, French
Daisy Carr, Life Science
Franny Chan, Economics
Thomas Chambers, Psychology
Anita L. Chang, Music
David Ching, Accounting
Barbara Christie, Ph.D.,

Curriculum Development Specialist
Carolyn Clark, Sociology
Katherine A. Cleland, Nursing
Daniel Coffman, Fire Technology
John Coleman, Philosophy
Tim Coleman, Humanities
Nina Collins, Nursing
Christina Couroux, Life Science
Catherine Crouch, Life Science
Anjanelle Crum, English
Patricia Daskivich, English
Agnes Davies, English
John Desulima-Przyborow, Mathematics
Marco Franco Di Domenico, English
William Diaz-Brown, History
Edith Dimo, Spanish
Robert Dongell, English
Bruce Dovner, Mathematics
Deanna Drew, English
Yolanda Duncan,
Certified Nurse Assistant
John Dudley, Accounting
Denise Dumars, English
Renee Elisadez, History
Robert Estrada, Kinesiology
Farid Faridpak, Mathematics
Janet Favreau, Music
Claude Fiddler, Art
Jacqueline Freedman, Art
Elizabeth Froes, Nursing
Joan Gahan, Nursing
Debra Gaines, Nursing
Catherine Garay, Spanish
Timothy Garvin, History
Darryle Gatlin, History
Dave Gayle, Life Science
Stephen Gelman,
Vocational Education/ ESL
Nancy Giallombardo, Nursing
Abraham Gill, Mathematics
Benito Gomez, Spanish
Edwin Gomez, Art
Steven Goomas,
Music & Recording Arts
Marvin B. Gordy, Music
Christopher Graciano,

Administration of Justice
Wallace Graves,
Administration of Justice
Laura Gray, Child Development
Lynda Greenberg, Art & Humanities
Paul Greenberg, Philosophy
Matthew Greif, Music
Karen Grugas, Child Development
Dennis Griffith, Child Development
Tom Guinn, Life Science
Kenneth Gunderson, Real Estate
Erika Gutierrez, Sociology
Amaryllis Hall, CAOT
Walter Hamilton, CIS
Hamza Hamza, Mathematics
Yvette Hawley, English
James Heffron, CAOT
Larry Heimgartner, Theater Arts
Catherine Hendrickson, Librarian
Cassandra Hendrix, Parenting
Kasara Heneks, Mathematics
Robert Henrichs, Counseling
Kenneth Hillger, Life Science
Timothy Hillis, Sociology
Evan Hirschelman, Music
Kathleen Hitt, History
Nina Hixon, Business
Thu Hang Hoang, Mathematics
Wendy Hoole, Anthropology
Patricia Hoovler, English
Jeffrey Hoppenstand, Humanities
Karl Houben, Chemistry
Shiuling Huang, Mathematics
Roxana Huete, Communication Studies
Nielson Hul, English
Aura Imbarus, English
Dora Jacildo, Child Development
Gregory Jackson, Culinary Arts
Gail Jacobs, Art
Payal Jain, Psychology
DeAnn Jennings, Art & Photography
John Paul Joson, Nursing
George Judd, Mathematics
Woody Karnes, Psychology
Sean Kelleher, Business
Patricia Kellner, Geography
James Keville, Art
Sholeh Khoroooshi, Political Science
Arlene Kidakarn, Nursing
Jane Kimball, Nursing
Michael Kinrade,
Administration of Justice
Carl Kirnbauer, Real Estate
Kumiko Kitagawa, Japanese
Gerry Koehler, Spanish
George Kolarov, Finance
Yuhaniz Koletty, Counseling (Personal Development)
Stacy Komai, Kinesiology
Hovsep Kotelayan, CIS
Marlene Koven, Spanish
Lorenz Krueger,
Communication Studies
Joseph Krupa, Administration of Justice
Megan Lange, Service Learning
Cynthia Latulip,
Family & Consumer Studies
Janet Laurin, Business
Terry Lawton, Health
Duc Le, Mathematics
Helen Le, Sociology
Donald Lechman, English
Daniel Lehman, Librarian
Josua Leibner, Humanities
Stephanie Leonard, Psychology
Ronald Linden, Art
Jose Lopez, Sociology
Victoria Loschuk, Art
Christian Lozado, English
Tod Lychkoff, Art
Kendra Lynch, Music
Leo Lynch, Mathematics
Perry Lynn, History
John Mack, Oceanography
Jose Macias, Mathematics
Christopher Mandia,
Communications
Ronald Maricich, Real Estate
Linda Mason, Nursing
Lida Masoudipour, Chemistry
Dee Masters, English
Marguerite McCormick, Nursing
Claudette McClennen, Counseling
Linda McGee, Administration of Justice
Christopher Graciano,
Administration of Justice
Rodger McGinness, Business
Don McIntyre, Humanities
George McMullen, Music
Leon Meggerson,
Mathematics
Joelle Mendoza, English
Andrea Miles, History
Gary Miller, Economics
Lori Minor, Service Learning
Susan Morales, Nursing
Scott Morris, Music
Jack Muncherian, Mathematics
Judith Myers, Personal Development
Ruben Nadler, Electronics
Marie Nagaya, Life Science
Alma Narez-Acosta, Counseling
Richard Nelson, Life Science
Can Nguyen, Computer Technology
Chau Nguyen, Computer Technology
Zhijun Ni, Mathematics
Norma Noguera, Mathematics
Maria Teresa Nunez, Spanish
Rodney Oakes, Music
Michael Oates, Communication Studies
Tedja Oepomo, Associate Professor,
Mathematics
JoNeen Ohlaker, Child Development
William Ohm, Mathematics
Benjamin Ong, Architecture
Denise Orme, Psychology
Humberto Ortiz, Mathematics
Laxmi Pandey, Health
Janaki Parikh, Anthropology
Erik Pastora, Culinary Arts
Ann Patterson, Music
Alberto Pimentel, Sociology
Keith Plutchok, Kinesiology
Kenneth Poole, Political Science
Dorothy Presley, CAOT
Vincent Pruden, Art & Photography
Melissa Punnoose, Nursing
Jorge Quintero, Geography
Adrianna Ramirez, History
Susan Ramirez,
Vocational Education IESL
Dorothy Ray, Communication Studies
Mona Dallas Reddick, Associate
Professor, Anthropology & Humanities
Natalie Ricard,
Developmental Communications
Robert Richards, Sociology
Jeffrey Rigby, Anthropology
Gary Robertson,
Communication Studies
John Scott Robertson,
Administration of Justice
Michael Scott Robertson,
Anthropology
Paul Rodriguez, Political Science
Sandra Romero, Mathematics
Mario Rueda, Fire Technology
Pilar Rustad, Spanish
Vineeta Sachdev, Chemistry
Ramsey Salem, Mathematics
Christopher Salisbury, English
Errol Sanborn, English
Frank Sandoval, History
Samuel Sandt, Anthropology
Mariko Saso, Mathematics
Constance Schwartzman, Nursing
Ray Shackelford, Fire Technology
Dale Shannon, ESL
Mark Shannon, Communication Studies
Michi Shimura, Japanese
Beverly Shue, Life Science
Alicia Sichan, Psychology
Daniel Simon, History
James Sitterly, Music
James Siama, English
Justin Smith, History
Kevin Smith, History
Lora Smith, Nursing
Donette Steele, Psychology
Elizabeth Steiglitz, Nursing
Theresa Stein, English
Michael Suzuki, Biology
Steven Swaim, English
Ladd Terry, Art
Jack Thomas, Life Science
Michael Thomas, Fire Technology
Joan Thomas-Spiegel,
Adjunct Faculty

Associate Professor, Psychology
Darrell Thompson, Associate
  Professor, Humanities & Philosophy
Shantel Thornton, Psychology
Sanubo Toeque, Chemistry
Dominic Trutanich, Business
Albert Turner, Kinesiology
David Turner, Architecture
Theresa Ursic, History
Mario Valadez, History
Kym Valvieja, Child Development
Angelica Vega,
  ESL, Developmental Communications
Ruben Vega, Political Science
Jenny Veliz-Urza, Nursing
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  Counselor-SPF
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Brian Wade, Life Science
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Cheryl Watson, Child Development
David Weber, History
Glenn Weiss,
  Emergency Department Assistant
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John Wheeler, Sociology
James White, Kinesiology
Russ Whiting, Astronomy and Physics
Tricia Wickers, Nursing
Aileen Wilson-Aus, Business
Louis Wolff, Accounting
Rich Wong, Mathematics
James Worley, Accounting
Mits Yamashita, Kinesiology
Veronica Yanez-Diaz, Nursing
Florence Yates, Kinesiology
Maricela Zaragoza, English
Shanna Zareski, Journalism
Lazaro V. Zamora, English
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Arif Ahmed
Assistant Administrative Analyst

Andre Alexander
Custodian

Angelo Almonte
Senior Office Assistant

Anthony Alvarez
Stock Control Assistant

Albert Askew
Stock Control Supervisor

Michelle Barreau
Financial Aid Technician

Epifania “Fanny” Baquir
Accounting Technician

Robert Barker
Student Recruitment Coordinator

Brian Beaubien
Gardener

Ricky Benjamin
Custodian

Cheryl Betancourt
Admissions & Records & Evaluation Technician

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Patricia Brough-Cervantes
Library Technician

Tuc Buu
Gardener

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Custodian

Carlos Castillo
Custodian

Joseph Cha
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Maria Chavez
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Aimee Cisneros
Admissions & Records Assistant

Ivan Clarke
Manager, College Information Systems

Jacqueline Copeland
Senior Secretary

Rodrigo Cornejo
Custodian

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Life Sciences Lab Technician

David Craig
Maintenance Assistant

Leon Cruz
SFP Office Assistant

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Admissions & Records Assistant

Timothy Davis
Instructional Assistant – Assistive Technology

Elizabeth Desylva
Administrative Aide

Lakshman De Silva
Accountant

Ismael Del Rosario
Admissions & Records & Evaluation Technician

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Custodian

Daniel Dumas
Custodial Supervisor

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Custodian

Anthony Edgar
Custodian

Marquis Edwards
Custodian

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Director of College Facilities

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Assistant Research Analyst

Denise Faamasino
Library Technician

Jared Fowler
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Martin Gallegos
Simulation Technician

Salvador Gallegos
Stock Control Aide

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Wheanokqueah Gillam
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Financial Aid Technician

Teresa Gonzalez
Financial Aid Technician

Tatyana Grinberg
Senior Accountant

Thach Ha
Gardener

Shawn Harris
Custodian

Brian Henderson
Administrative Secretary

Rigoberto Huerta
Stock Control Aide

Danielle Jack
Executive Assistant to the President

Jazmyne Johnson
Administrative Secretary

Bryon Jones
Custodian

Rickey Jones
Custodian

Thomas Jones
General Foreman

Kerry Keener
Senior Secretary

Hovsep Kotelyan
Computer & Network Support Specialist

Robyn Lamoreux
Library Technician

Catherine Landrum
Instructional Assistant - Language Arts

Megan Lange
Instruction Assistant, Learning Assistance Center

Trang Le
Gardener

Terrence Lew
Data Communication Specialist

Traci Liley
Library Technician

Pablo Limon
Admissions Technician

Martin Linley

2014-2016 General Catalog
Custodian
Candy Luin
Admissions & Records Assistant
Jose Luna
Student Services Assistant
Cynthia Machado
Admissions & Records Assistant
Christopher Mandia
Secretary
Jo Ann Mardesich
Accounting Technician
Timothy Mariner
Data Management Support Assistant
Alfredo Martinez
Chemistry Lab Technician
Cristian Martinez-Contreras
Student Services Aide
Olga Mascorro
Financial Aid Technician
Jerry McClellan
Web Designer
Claudette McClenney
Administrative Analyst – SPOC- CHRS
Christol McDonald
Athletic Trainer
Georgia “Lynn” McGuire
Senior Office Assistant - Initiator
Patrick McNeal
Kinesiology/Athletics Facilities
Alejandro Mendoza
Payroll Assistant
Marian Messina
Administrative Aide
Crystal Milbury
Assistant Bookstore Manager
Angela Miller
Secretary
Lauren Miller
Special Services Assistant
Lori Minor
Academic Scheduling Specialist
Thomas Moore, III
Painter
David Mora
Custodian
Jose Moreno
Electrician
Willie Muckelroy
Plumber
Nadine Muro
Instructional Assistant - Mathematics
Carla Musa-Muldoon
Community Services Manager
Maria Navarro
Kinesiology/Health and Wellness
Women’s Facilities
Tin Ngo
Lead Gardener
Huynh Nguyen
Computer & Network Support Specialist
My Nguyen
Computer & Network Support Specialist
Julie Nunez
Instructional Assistant, Nursing
Vicki Nuno-Cobos
Community Services Aide
Marco Ortega
Senior Accounting Technician
Albert Palmer
Custodian
Yvette Parra
Secretary
Johnny Phung
Online Multimedia Specialist
Michael Pursey
Operations Manager
Melissa Quiroz
Accounting Assistant
Edgar Reyes
Maintenance Assistant
Antuan Roberts
Custodian
Kenneth Roberts
Lead Support Services Assistant
Esperanza Robledo
Community Services Aide
Adan Rodriguez-Encinas
Admissions & Records Assistant
Arthur Ruelas
Locksmith
Hauson Sanders
Custodian
Citlally Santana
Student Services Assistant
Maureen Schaller
Senior Secretary
Devin Simmons
Custodian
Sergio Soto
Community Services Assistant
Keith Standifer
Heating + Air Conditioning Technician
Steven Swaim
SFP-Program Technician
Nola Timms
Secretary
Kym Valvieja
Instructional Assistant - Child Development
Marina Vargas
Admissions & Records Assistant
Mary Vargas
Facilities Assistant
Angelica Vega
Secretary
Billy Velasco
Athletic Trainer - Assistant
Esther Villanueva
Financial Aid Supervisor
Maria Virula
Custodian
William Vowels
Maintenance Assistant
Patricia Walker
Admissions & Records Assistant
Eric Warren
Custodian
Piper Watkins
SFP Program Technician
Xavier Watkins
Custodian
Kimberly Watson
SFP Program Specialist
Marcia Webb
Regional College Procurement Specialist
Derrick Williams
Senior Custodial Supervisor
Vania Yalamova
SFP Program Specialist
Robert York
Piano Accompanist
Angeles Zesati
SFP-Program Specialist
INDEX

A
Academic and Progress Probation 39
Academic Freedom, 7
Academic Honors 38
Academic Renewal 45
Academic Standards and Challenge Procedures 38
Achieving the Dream 6
Accounting
  Degree 54
  Certificate 54
  Courses 116
Accreditation 4
Administration of Justice
  Degree 55
  Certificate 56
  Courses 117
Admission and Matriculation 12
Admission Eligibility 12
Admission, Procedures 12
Affirmative Action 7
Anatomy
  Courses 118
Anthropology
  Courses 119
Architectural Technology
  Degree 56
  Certificate 57
Architecture
  Courses 120
Art
  Degree 57
  Certificate 59
  Courses 122
Assessment Examinations 12, 27
Associate Degree (AA) and (AS) 46
Associate Degree and Certificate Programs 52
Associated Students 36
Astronomy
  Courses 125
Athletics 37
Attendance 39
Auditing Classes 39

B
Basic Skills
  Courses 126
Biology
  Courses 126
Bookstore 22
Business
  Degree 59
  Certificate 61
  Courses 127
Business Office / Cashier’s Office 23

C
Cal Grants 30
CalWORKs/GAIN 23, 47
CARE (Cooperative Agencies Resources for Education) 23
Career Center 23
Cashier’s Office 23
Certificate of Achievement 50
Chemistry
  Degree 63
  Courses 128
Child Development
  Degree 63
  Courses 118
Child Development Center 24
Classroom Courtesy 7
College Advisory Committees 7
College Organizations 37
College Presidents 189
College Programs 49
College Publications 36
College Security and Safety 27
Communication Studies
  Courses 131
Computer and Internet Services 24
Computer Applications and Office Technologies (CAOT)
  Degree 65
  Certificate 67
  Courses 132
Computer Information Systems
  Degree 70
  Certificate 71
  Courses 134

Dance
  Courses 111
Developmental Communications
  Courses 141
Disabled Student Programs and Services 24
Dismissal 40
Distance Education 24
District Policies and Procedures 7
Division and Program Listing 51
Drafting
  Degree 75
  Certificate 76
  Courses 141
Drug-Free Campus 7

Computer Science Information Technology (CSIT)
  Courses 136
Computer Technology
  Degree 71
  Certificate 72
  Courses 137
Concurrent Enrollment 454
Cooperative Education
  Courses 139
Copyright Statement 7
Counseling
  Courses 139
Counseling Services 13, 24
Course Repetition 39
Credit for Courses Completed at Foreign Colleges and Universities 44
Credit for Courses Completed at Non-Accredited Institutions 44
Credit for Graduates of Diploma Schools of Nursing 44
Credit for Law Enforcement Academy Training 44
Credit for Military Service Training 44
Culinary Arts
  Degree 73
  Certificate 74
  Courses 139
  Food Services 25
E
Economics  
Courses 143
Electrical Construction and Maintenance  
Courses 143
Electronic Engineering Technology  
Degree 76  
Certificate 77
Electronics  
Courses 143
Emergency Department Assistant  
Courses 144
Engineering  
Degree 76  
Courses 145
English  
Degree 79  
Courses 146  
Course Sequence 147
English as a Second Language  
Courses 150
Enrollment  
Fee 16  
Process 12
Enrollment Fee Waiver (BOGFW) 30
Environmental Design  
Courses 151
Environmental Science  
Courses 151
Equal Opportunity Policy 2  
Compliance Procedure 2
Evening and Outreach Classes 47
Exemption 15
Extended Opportunity Program and Services (EOP&S) 24
Extension Program 47
Finance  
Courses 151
Financial Aid 22, 29
Fire Technology  
Degree 80  
Certificate 81
Courses 151
Food Services 25
French  
Courses 153
Functions of the Community Colleges 5
G
General Education Requirements  
A.A Degree, 111
CSU 100
For Transfer 97
Plan A 112
Plan B 113
Geography  
Courses 153
Geology  
Courses 153
Grades and Grade Changes 43
Grading Symbols and Definitions 42
Graduation Requirements 52
H
Harbor College Facts 6
Health  
Courses 154
Health Occupation  
Courses 154
Health Services 25
High School Students 13
History  
Degree 81  
Courses 154  
of the College 4  
of the LACCD 4
Honors Transfer Program 48
Humanities  
Courses 157
I
Identification/Library Services Card 36
IGETC  
Information 114
Transfer Curriculum 115
J
Japanese  
Courses 158
Job Placement Center 25
Journalism  
Courses 158
K
Kinesiology  
Degree 83  
Courses 158
L
LACCD 4
Learning Foundations  
Courses 163
Learning Resource Center 26
Learning Skills  
Courses 164
Legal Aid 26
Liberal Arts and Sciences  
Degree 84, 111
Liberal Studies  
Degree 86
Library + Learning Resource Center 25
Library Science  
Courses 164
Life Skills Center 22
Loans 31
Lost and Found 26
M
Management  
Courses 164
Map 208
Marketing  
Courses 165
Mathematics  
Degree 87
Courses 165
Course Sequence 167
Matriculation 14
Microbiology
Courses 169
Mission Statement
LACCD 4
LAHC 4
Music
Degree 88
Certificate 89
Courses 169

N
Nursing
Degree 95
Courses, 179

O
Oceanography
Courses 179
Ombudsperson 26
Open Enrollment 17
Orientation 13, 27

P
PACE Program 48
Parking 27
Pass/No-Pass Option 44
Payment 13
Pell Grant 25
Personal Development
See Counseling
Petition for Graduation 53
Philosophy
Courses 180
Photography
Courses 180
Physical Education
See Kinesiology
Physical Science
Courses 181
Physics
Degree 101
Courses 181
Physiology
Courses 181
Political Science
Courses 182
Prerequisites 13, 41
Process Plant Technology
Courses 182
Project Academic Success Action
Plan 27
Psychology
Degree 102
Courses 182
Real Estate
Degree 104
Certificate 105
Courses 183
Recording Devices 8
Registration, Procedures 13
Residency Requirements 16
Scholarships 232
Service Learning
Courses 184
Sexual Harassment Policy 8
Sheriff Services 27
Skills Certificate 47
Smoking Policy
Social Security Beneficiaries 31
Sociology
Courses 184
Spanish
Courses 185
Special Credit 43
Special Programs and Services 28
Speech
See Communication Studies
Staff
College 203
Statistics
Courses 186
Student Activities 30
Student Conduct Standards 9
Student Government 36
Student Grievance Procedures 10
Student I.D. Numbers 13, 30
Student Learning Outcomes 11
Student Records/Directory
Information 22
Student Services 18
Student Success and Support
Program 14
Student Trustee Election Procedure 37
Students’ Rights and Responsibilities 13
Study Load Limitations 45
Summer and Winter Intersessions 11
Supervised Learning Assistance
Courses 186
Supervision
Courses 186
Supplemental Educational Opportunity
Grant (FSEOG) 30
Tax Credits 30
Tech Prep 28
Theater
Courses 187
Transcripts 45
Transfer 46
Transfer Services Center 28
Transfer to Independent California
Colleges and Universities 109
Transfer to the California State
University (CSU) System 107
Transfer to the University of
California (UC) System 108
Tutorial Services 28
Veterans’ Services 29
Waiver, Enrollment Fee (BOGFW) 30
WildFire Land Technology
Courses 188
Work Study Program (FWS) 30
Fall 2014 ACADEMIC CALENDAR

Los Angeles Harbor College

Fall 2014 ACADEMIC CALENDAR

It is the student’s responsibility to adhere to the deadline dates listed below and to drop a class no longer being attended. Your failure to drop a class by the deadline date will result in a “W” or an “F” on your academic record. Failure to drop by deadlines means that fees will be owed. Admissions and registration hours: February 10-13 & 18-20, Monday – Thursday 9:00 a.m. – 1:30 p.m. & 4:30 – 7:00 p.m. Friday closed. Regular admissions office hours: Monday – Thursday 9:30 a.m. – 1:30 p.m. & 4:30 p.m. to 6:30 p.m. Friday closed. All calendar dates are subject to change.

Fall 2014 Semester Classes Begin September 2 and End December 21, 2014

Applications accepted online
February 24, 2014 – August 18, 2014

Note: Depending on enrollment, the online application system may open again on October 1 to accept applications for late start classes.

Students may drop classes using internet
May 9, 2014 – November 23, 2014

Residency Determination Date
August 31, 2014

DAY AND EVENING FULL-TERM CLASSES begin
September 2, 2014

PACE CLASSES – FIRST SESSION begins
September 2, 2014

HOLIDAY: Labor Day (Campus Closed)
September 1, 2014

Add permits signed by instructor needed to enroll in classes
September 2 – September 14, 2014

Program Changes and Late Registration
September 2 – September 9, 2014

Note: Short-term classes have different add/drop dates.

Consult the Admissions and Records office for correct dates.

Fall 2014 Graduation Petition Applications
September 2 – October 15, 2014

LAST DAY TO:

Add a full-term class
September 14, 2014

Drop full-term classes to receive refund or without paying fee
September 14, 2014

(Refund must be picked up from cashier by September 30, 2014)

Drop short-term classes or PACE classes to receive refund or without paying a fee:

Drop regular full-term classes without receiving a “W”
The first week of class

Elect Credit/No Credit – full-term classes
September 11, 2014 (in-person)

Elect Credit/No Credit – short-term classes or PACE classes
September 14, 2014 (online)

Petition for Graduation
October 20, 2014

Drop full-term classes with a “W”
November 20, 2014 (in-person)

Note: Short-term classes have different drop dates. Consult the Admissions and Records office for correct dates.

PACE CLASSES – SECOND SESSION begin
October 22, 2014

Holiday: Veterans’ Day (Offices Closed)
November 11, 2014

Holiday: Thanksgiving (Offices Closed)
November 27 – November 30, 2014

Final Examinations
December 15 – 21, 2014

Last day of Fall Semester classes
December 21, 2014

Los Angeles Harbor College
Spring 2015 ACADEMIC CALENDAR

It is the student’s responsibility to adhere to the deadline dates listed below and to drop a class no longer being attended. Your failure to drop a class by the deadline date will result in a “W” or an “F” on your academic record. Failure to drop by deadlines means that fees will be owed. Admissions and registration hours: February 9-12 & 16-19, Monday – Thursday 9:00 a.m. – 1:30 p.m. & 4:30 – 7:00 p.m. Friday closed. Regular admissions office hours: Monday – Thursday 9:30 a.m. – 1:30 p.m. & 4:30 p.m. to 6:30 p.m.. Friday closed. All calendar dates are subject to change.

Spring 2015 Semester Classes Begin February 9 and End June 7, 2015

Residency Determination Date: February 8, 2015

Internet registration for:
- EOPS/DPSP/Veterans/Cal WORKs continuing: November 17, 2014 – February 8, 2015
- Fully Matriculated continuing students: November 20, 2014 – February 8, 2015
- Fully Matriculated new and returning students: November 28, 2014 – February 8, 2015

Late registration and program changes require add permits signed by instructor to enroll in classes: February 9 – 24, 2015

Students may drop classes using internet: November 17, 2014 – May 10, 2015

Class Begin:
- DAY AND EVENING FULL-TERM CLASSES: February 9, 2015
- SATURDAY CLASSES: February 21, 2015
- PACE CLASSES – Second begins: April 14, 2015

Holidays (No Classes):
- President’s Day (campus closed): February 13 – 16, 2015
- Cesar Chavez Day (campus closed): March 31, 2015
- Spring Break: April 4 – 10, 2015

LAST DAY TO:
- Add classes (in person at Admission and Records with instructor’s add permit): February 22, 2015
- Submit audit cards: February 22, 2015
- Elect Credit/No Credit – full-term classes: March 3, 2015
- Drop or change full term classes without incurring fees: February 22, 2015
- Claim a refund of enrollment fees and non-resident tuition: February 22, 2015
- Drop full term classes without a grade of “W” in person: February 19, 2015
- Drop full term classes without a grade of “W” online: February 22, 2015
- Drop full term classes with a grade of “W” in person: May 7, 2015
- Drop full term classes with a grade of “W” online: May 10, 2015

Short Term Class
Last day to:
- Drop short-term classes or PACE classes to receive refund or without paying a fee: First week of class
- Elect Credit/No Credit – short-term classes or PACE classes: Second week of class

General Calendar Dates
- Spring 2015 Graduation Petition Applications: January 2 – March 5, 2015
- Final Examinations: June 1 – 7, 2015
- Refund must be picked up from cashier by: March 13, 2015
- Last day of Spring Semester classes: June 7, 2015
- Graduation Commencement Day: June 11, 2015
FALL 2015 ACADEMIC CALENDAR

It is the student’s responsibility to adhere to the deadline dates listed below and to drop a class no longer being attended. Your failure to drop a class by the deadline date will result in a “W” or an “F” on your academic record. Failure to drop by deadlines means that fees will be owed. Admissions and registration hours: February 9-12 & 16-19, Monday – Thursday 9:00 a.m. – 1:30 p.m. & 4:30 – 7:00 p.m. Friday closed. Regular admissions office hours: Monday – Thursday 9:30 a.m. – 1:30 p.m. & 4:30 p.m. to 6:30 p.m.. Friday closed. All calendar dates are subject to change.

FALL 2015 SEMESTER CLASSES BEGIN AUGUST 31 AND END DECEMBER 20, 2015

Applications accepted
Residency Determination Date
April 13, 2015 – August 30, 2015
August 30, 2015

Internet registration for:
• EOPS/DSPS/Veterans/Cal WORKs continuing
  May 4, 2015 – August 30, 2015
• Fully Matriculated continuing students
  May 7, 2015 – August 30, 2015
• Fully Matriculated new and returning students
  May 25, 2015 – August 30, 2015
• K-12 and special admits students
  June 8, 2015 – August 30, 2015

Late registration and program changes require add permits signed by instructor to enroll in classes
August 31 – September 10, 2015

Students may drop classes using internet
May 4, 2015 – November 22, 2015

Class Begin:
• DAY AND EVENING FULL-TERM CLASSES
  August 31, 2015
• SATURDAY CLASSES
  September 12, 2015
• PACE CLASSES – FIRST SESSION begin
  August 31, 2015
• PACE CLASSES – SECOND SESSION begins
  October 27, 2015

Holidays (No Classes):
• Labor Day (campus closed)
  September 5 – 7, 2015
• Veterans Day (campus closed)
  November 11, 2015
• Thanksgiving (campus closed)
  November 26 – 29, 2015

Last day to:
• Add full term class with instructors add permit
  September 10, 2015
• Submit audit cards
  September 10, 2015
• Elect Credit/No Credit – full-term classes
  September 15, 2015
• Drop full term classes in person without incurring fees or a grade of “W”
  September 10, 2015
• Drop full term classes online without incurring fees or a grade of “W”
  September 13, 2015
• Drop full term classes with a grade of “W” in person
  November 19, 2015
• Drop full term classes with a grade of “W” online
  November 22, 2015

Short Term Class

Last day to:
• Drop FIRST SESSION short-term classes/PACE classes and receive a refund or without paying a fee
  September 7, 2015
• Drop SECOND SESSION short-term classes/PACE classes and receive a refund or without paying a fee
  November 1, 2015
• Elect Credit/No Credit – short-term classes or PACE classes
  Second week of class

General Calendar Dates
• Fall 2015 Graduation Petition Applications
  September 3 – October 15, 2015
• Final Examinations
  December 14 – 20, 2015
• Last day of Fall Semester classes
  December 20, 2015
**Spring 2016 Academic Calendar**

It is the student’s responsibility to adhere to the deadline dates listed below and to drop a class no longer being attended. Your failure to drop a class by the deadline date will result in a “W” or an “F” on your academic record. Failure to drop by deadlines means that fees will be owed. Admissions and registration hours: February 8-11 & 15-18, Monday – Thursday 9:00 a.m. – 1:30 p.m. & 4:30 – 7:00 p.m. Friday closed. Regular admissions office hours: Monday – Thursday 9:30 a.m. – 1:30 p.m. & 4:30 p.m. to 6:30 p.m.. Friday closed. All calendar dates are subject to change.

**Spring 2016 Semester Classes Begin February 8 and End June 6, 2016**

- Applications accepted: October 3, 2015 - February 1, 2016
- Residency Determination Date: February 7, 2016

**Internet registration for:**
- Fully Matriculated continuing students: November 19, 2015 - February 7, 2016
- Fully Matriculated new and returning students: December 7, 2015 - February 7, 2016
- K-12 and special admits students: December 21, 2015 - February 7, 2016

**Registration and program changes require add permits signed by instructor to enroll in classes:**
February 8 - 21, 2015

**Students may drop classes using internet:**
November 16, 2015 - May 10, 2016

**CLASSES BEGIN:**
- Day and Evening Full-Term Classes: February 8, 2016
- Saturday Classes: February 20, 2016
- PACE Classes – First Session begins: February 10, 2016
- PACE Classes – Second Session begins: April 12, 2016

**HOLIDAYS (No Classes):**
- President’s Day (campus closed): February 12 - 15, 2016
- Cesar Chavez Day (campus closed): March 31, 2016 - April 1, 2016
- Spring Break: April 2 - 8, 2016

**LAST DAY TO:**
- Add classes: February 21, 2016
- Submit audit cards: February 22, 2016
- Elect Credit/No Credit - full-term classes: March 3, 2016
- Drop full term classes in person without incurring fees or a grade of “W”: February 18, 2016
- Drop full term classes online without incurring fees or a grade of “W”: February 21, 2016
- Drop full term classes with a grade of “W” in person: May 5, 2016
- Drop full term classes with a grade of “W” online: May 8, 2016

**SHORT-TERM CLASSES**

**LAST DAY TO:**
- Drop PACE First Session to a receive refund: February 19, 2016
- Drop PACE Second Session to a receive refund: April 18, 2016

*Note: Other short-term classes have different drop dates. Consult Admissions and Records office for correct dates.

**GENERAL CALENDAR DATES**
- Spring 2016 Graduation Petition Applications: January 4 - March 3, 2016
- Spring 2016 Final Examinations: May 31 - June 6, 2016
- Spring 2016 Graduation Commencement Day: June 9, 2016
Student/General Public Parking Lot

Daily Parking Permit Machines

LEGEND

AST PLANETARIUM
CA CULINARY ARTS
CDC CHILD DEVELOPMENT CENTER
CS COMMUNITY SERVICES & Extension Program
DS DRAMA SPEECH/THEATER
FA FINE ARTS
GC GENERAL CLASSROOMS
LAUSD L.A. UNIFIED COMPLEX
LLRC LIBRARY / LEARNING RESOURCE CENTER
MU MUSIC BUILDING

NU NURSING
NEA NORTHEAST ACADEMIC
PE/W PE/WELLNESS
PH PHYSICS
SCC SCIENCE COMPLEX
SHC/B SEAHWARK CENTER/BOOKSTORE
SSA STUDENT SERVICES & ADMINISTRATION BUILDING
TECH TECHNOLOGY

Facilities, Maintenance & Operations

Student Parking Lots: 4, 5, 6, 7, 8, and West Parking Structure

Staff Parking Lots: 1, 2, 3, 4, 6, 8, 9, 9A, 10, and West Parking Structure

Guest/Visitor all day paid parking: Any student parking lot with $2 paid permit from parking permit machines.

Parking Questions? Visit the Sheriff’s Office or call (310) 233-4600
ADVANCED PLACEMENT CREDIT

COURSE EQUIVALENCY

Course equivalency for Advanced Placement exams, for purposes other than meeting General Education and graduation competency requirements for the Associate Degree, shall be determined by the college using policies developed in consultation with the college’s Academic Senate, in accordance with the provisions of LACCD Board Rules, Chapter XVIII, Article I.

If a student wishes to use AP exams to meet a major or area of emphasis graduation requirement, the student must file a general petition. Please consult with a counselor.

CSU GE BREADTH AND IGETC

The placement of courses in the California State University General Education Breadth (CSU GE Breadth) and the Intersegmental General Education Transfer Curriculum (IGETC) Plans is determined by the University of California and California State University systems respectively; therefore it is not necessary for the college to grant course equivalency for this to occur. Pages 224-227 indicate how AP tests are used to meet these requirements.

Note: Advanced Placement course equivalency credit cannot be used toward AAT/AST major requirements.

The above statement is accompanied by the most up-to-date version of the information contained in the table beginning on page 224.

ADVANCED PLACEMENT (AP) EXAM EQUIVALENCY

AP exam results may be used to establish course equivalency for a major area of emphasis graduation requirement by petition. Consult a counselor for more information. AP exam results may be used to establish course equivalency for designated CSU GE Breadth or IGETC. Note: Advanced Placement course equivalency credit cannot be used toward AAT/AST major requirements. Consult a counselor for more information.

The table beginning on page 224 lists courses equivalencies for AP exams. Note: this list may be updated without notice. To view the most up-to-date version, see LACCD Administrative Regulation E-110 at http://laccd.edu/About/Documents/AdministrativeRegulations/E-110.docx.

EQUIVALENCY FOR COURSES TAKEN AT OTHER INSTITUTIONS

A course taken at another institution may be counted toward satisfying an area of emphasis at Harbor College if found to be equivalent by a counselor or Admissions and Records evaluator or by petition. Consult a counselor for more information. A course taken at another accredited institution may be counted toward satisfying a requirement for an award program at Harbor College if found to be equivalent by a counselor or Admissions and Records evaluator or by petition. Consult a counselor for more information.

WAIVER OF LACCD GENERAL EDUCATION AREA E REQUIREMENT FOR HIGH-UNIT MAJOR AWARDS

Students pursuing degrees in high-unit majors (those requiring 42 or more units in the major) may request to waive the 3-unit LACCD GE Area E requirement when they submit their graduation petition.
<table>
<thead>
<tr>
<th>EXAM</th>
<th>Score</th>
<th>Semester Units Toward Associate Degree GE Req.</th>
<th>Sem. Units Toward GE Requirements</th>
<th>Associate Degree GE area</th>
<th>Graduation Competency Requirement Fulfilled. Board Rule: Chapter VI: 6201.14</th>
<th>Title V American Intuitions Requirement Board Rule: Chapter VI: 6201.04</th>
<th>IGETC Applicability</th>
<th>CSU GE Breadth Applicability</th>
</tr>
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<tbody>
<tr>
<td>Art History</td>
<td>4,5</td>
<td>6</td>
<td>3</td>
<td>Section C: Humanities</td>
<td></td>
<td>3A OR 3B 3 sem. Units 4 qt. Units</td>
<td>C1 OR C2 3 semester Units</td>
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<tr>
<td>Art Studio: General Portfolio or Drawing Portfolio</td>
<td>3</td>
<td>6</td>
<td>3</td>
<td>Section C: Humanities</td>
<td></td>
<td>NA</td>
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<tr>
<td>Biology/Biological Sciences</td>
<td>3,4,5</td>
<td>8</td>
<td>3</td>
<td>Section A: Natural Sciences</td>
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<td>SB with lab 4 sem. units 5 qt. Units</td>
<td>B2 and B3 4 sem. units</td>
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<td>Chemistry</td>
<td>3,4,5</td>
<td>8</td>
<td>3</td>
<td>Section A: Natural Sciences</td>
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<td>5A with lab 4 sem. units 5 qt. Units</td>
<td>B1 and B3 4 sem. units</td>
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<td>Chinese Language and Culture</td>
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<td>8</td>
<td>3</td>
<td>Section C: Humanities</td>
<td></td>
<td>3B and 6A 3 sem. units 4 qt. units</td>
<td>C2 3 sem. units</td>
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<td>Computer Science Rom A</td>
<td>3,4,5</td>
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<td>3</td>
<td>Section D: Language and Rationality</td>
<td></td>
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<td>3</td>
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<tr>
<td>Economics: Macroeconomics</td>
<td>3</td>
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<td>Section B: Social and Behavioral Sciences</td>
<td></td>
<td>4 3 sem. Units 4 qt. units</td>
<td>D2 3 Sem. units</td>
<td></td>
</tr>
<tr>
<td>Economics: Microeconomics</td>
<td>3</td>
<td>4,5</td>
<td>3</td>
<td>Section B: Social and Behavioral Sciences</td>
<td></td>
<td>4 3 sem. Units 4 qt. units</td>
<td>D2 3 Sem. units</td>
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<tr>
<td>EXAM</td>
<td>Score</td>
<td>Semester Units Toward Associate Degree GE Req.</td>
<td>Sem. Units Toward GE Requirements</td>
<td>Associate Degree GE area Fulfilled Board Rule: Chapter VI: 6201.04</td>
<td>Graduation Competency Requirement Fulfilled. Board Rule: Chapter VI: 6201.14</td>
<td>Title V American Intuitions Requirement Board Rule:</td>
<td>IGETC Applicability</td>
<td>CSU GE Breadth Applicability</td>
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<td>English Language &amp; Composition or Composition and Literature</td>
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<td>Section D: Language &amp; Rhetoric</td>
<td>Reading on Written Expression Competency Satisfied</td>
<td>1A</td>
<td>3 sem. Units</td>
<td>A2</td>
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<td>3</td>
<td></td>
<td></td>
<td>3 qt. units</td>
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<td>3</td>
<td></td>
<td></td>
<td>3 qt. units</td>
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<td>3</td>
<td>Section D: Language &amp; Rhetoric</td>
<td>Reading on Written Expression Competency Satisfied</td>
<td>3 sem. Units</td>
<td>A2</td>
<td>6 sem units</td>
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<td>French Language</td>
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<td>3B and 6A</td>
<td>3 sem. Units</td>
<td>A2</td>
</tr>
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<td></td>
<td>3</td>
<td></td>
<td></td>
<td>4 qt. units</td>
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<td></td>
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<td></td>
<td></td>
<td>3B and 6A</td>
<td>3 sem. Units</td>
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<td>3B and 6A</td>
<td>3 sem. Units</td>
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<td></td>
<td></td>
<td>3</td>
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<td>4 qt. units</td>
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<td></td>
<td>3</td>
<td></td>
<td></td>
<td>3B and 6A</td>
<td>3 sem. units</td>
<td>C2</td>
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<td></td>
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<td>3</td>
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<td></td>
<td>4 qt. units</td>
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<td>3B and 6A</td>
<td>3 sem. Units</td>
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<td>4 qt. units</td>
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<td>3B and 6A</td>
<td>3 sem. units</td>
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<td>3</td>
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<td></td>
<td>4 qt. units</td>
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<td>3</td>
<td>Section B1: American Institution</td>
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<td>American Institutions Satisfied</td>
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<td>D8+or-2</td>
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<td></td>
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<td>Section B2: Social and Behavioral Sciences</td>
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<td>3</td>
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<td></td>
<td>3 qt. units</td>
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<td>History: Hispanic</td>
<td>3</td>
<td>4</td>
<td>6</td>
<td>Section B7: Social and Behavioral Sciences and Section C: Humanities</td>
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<td>3B or 4</td>
<td>3 sem. units</td>
<td>C2 or D4</td>
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<tr>
<td></td>
<td>4,5</td>
<td></td>
<td>6</td>
<td></td>
<td></td>
<td>4 gt. units</td>
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<td>EXAM</td>
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<td>Sem Units Toward Associate GE Req.</td>
<td>Sem. Units Toward GE Requirements</td>
<td>Associate Degree GE area Fulfilled Board Rule: Chapter VI: 6201.04</td>
<td>Graduation Competency Requirement Fulfilled Board Rule: Chapter VI: 6201.14</td>
<td>Title V American Intuitions Requirement Board Rule: Chapter VI: 6201.04</td>
<td>IGETC Applicability</td>
<td>CSU GE Breadth Applicability</td>
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<td>History: U.S.</td>
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<td>6</td>
<td>Section B1: American Institution</td>
<td>American Institutions Satisfied</td>
<td>3B or 4 3 sem. units 4 qt. units</td>
<td>C2 or D6+US-1 3 sem. units</td>
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<td>Section B2: Social and Behavioral Sciences</td>
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<td>3B or 4 3 sem. units 4 qt. units</td>
<td>C2 or D6 3 sem. units</td>
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<td>4 3 sem. units 4 qt. units</td>
<td>D5 3 sem. units</td>
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<td>3</td>
<td>Section C: Humanities</td>
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<td>3B and 6A 3 sem. units 4 qt. units</td>
<td>C2 3 sem. units</td>
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<td>Japanese Language &amp; Culture</td>
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<td>3</td>
<td>Section C: Humanities</td>
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<td>3B and 6A 3 sem. units 4 qt. units</td>
<td>C2 3 sem. units</td>
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<td>Latin Literature</td>
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<td>3B and 6A 3 sem. units 4 qt. units</td>
<td>C2 3 sem. units (removal fall 2009)</td>
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<td>3,4,5</td>
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<td>3</td>
<td>Section C: Humanities</td>
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<td>3B and 6A 3 sem. units 4 qt. units</td>
<td>C2 3 sem. units</td>
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<td>2A 3 sem. units 4 qt. units</td>
<td>B4 3 sem. units</td>
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<td>Section D: Language &amp; Rationale: Area 2. Communication and Analytical Thinking</td>
<td>Mathematics Competency Satisfied</td>
<td>2A 3 sem. units 4 qt. units</td>
<td>B4 3 sem. units</td>
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<td>C1 3 sem. units (Removal Fall D9)</td>
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<td>Sem. Units Toward GE Requirements</td>
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<td>Graduation Competency Requirement Fulfilled Board Rule: Chapter VI: 6201.14</td>
<td>Title V American Intuitions Requirement Board Rule: Chapter VI: 6201.04</td>
<td>IGETC Applicability</td>
<td>CSU GE Breadth Applicability</td>
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<td>Physics B</td>
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<td>B1 and R3</td>
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<td>Physics C 1 GR 2</td>
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<td>4</td>
<td>3</td>
<td>Section A Natural Science</td>
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<td>B1 and R3</td>
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<td>B1 and R3</td>
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<td>Section A Natural Science</td>
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<td>B1 and R3</td>
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<td>Section B2 Social and Behavioral Sciences</td>
<td>4 3 sem. units 4 gt units</td>
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<td>3</td>
<td>Section C Humanities</td>
<td>3B and 6A 3 sem. units 4 gt units</td>
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<td>C2</td>
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<td>Spanish Literature</td>
<td>3,4,5</td>
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<td>3</td>
<td>Section C Humanities</td>
<td>3B and 6A 3 sem. units 4 gt units</td>
<td></td>
<td>C2</td>
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<td>Statistics</td>
<td>3,4,5</td>
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<td>3</td>
<td>Section D Language &amp; Rationality: Area 2 Communication and Analytical Thinking</td>
<td>Mathematics Competency Satisfied</td>
<td></td>
<td>2A</td>
<td>B4</td>
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A Message from Dr. Otto Lee,
President of Los Angeles Harbor College
65 Years of Educational Opportunity to Our Community

Welcome to Los Angeles Harbor College, the college of choice for Harbor area residents for 65 years. Harbor College is known for the superb teaching and personalized attention that we offer students. As you read through this catalog, you will see that Harbor College offers a broad range of programs geared toward helping students prepare themselves for lives in the 21st Century. We are proud of our faculty and staff who care about each and every student— and our rigorous academic programs. Our students transfer to UCLA, USC, Cal State Dominguez Hills and other colleges both within and outside California.

From the moment you step on our campus, we offer a variety of programs and services to help you achieve your goals. From the Counseling Office, Transfer Center, Learning Skills Center, to the Veterans Center, Financial Aid, as well as numerous workshops, our staff will assist you in making your learning experience here a success. We also offer numerous co-curricular student activities that will enrich your experience here at Harbor College including our excellent athletics program that boasts several state championships in different sports, several student clubs that reflect a wide diversity of interests, and our Associated Students Organization (ASO) emphasizing student participation in campus and off-campus activities. ASO offers an unparalleled opportunity to expand your leadership skills through participation in the ASO Senate and/or on the ASO Executive Board as well as advocacy at the local, state, and federal levels addressing issues that affect students.

Thanks to California voters, this is an exciting time for Harbor College as we enter the final phase of the implementation of Propositions A and AA and Measure J— the bond programs responsible for several new buildings on our campus including our new Library Learning Resource Center (LLRC) and Science Complex that opened during the 2013-2014 academic year.

Again, welcome to Harbor College. We look forward to serving you.

Remember, Education Changes Everything

EMERGENCY RESPONSE MANUAL

IN CASE OF EMERGENCY, DIAL 911 FROM ANY CAMPUS PHONE
OR 310-233-4600 IF CALLING FROM A CELL PHONE TO AVOID ANY UNNECESSARY DELAYS IN RESPONSE

ACTIVE SHOOTER
If the Active Shooter is INSIDE your building:
• Remain calm.
• If possible, exit the building via safest possible route away from the threat.
• If you cannot get out safely, find the nearest location that provides safety. barricade doors by any means possible, shut off lights, move to an area of the room where you cannot be seen or heard, and keep as quiet as possible. Turn cell phones to silent mode.
• Call 911 as soon as it’s safe to do so.
• Stay focused on survival and keep others around you focused.
• Do not exit a building during the shooting—there is a danger from falling debris.

If indoors, “Duck, Cover, and Hold On” under a table or desk or if possible, use your coat to cover your head and torso. If you are trapped by fire in a room:
• Check all doors for heat prior to opening them.
• If you are caught in smoke, drop to your hands and knees and crawl.
• If the fire is small, attempt to extinguish it with a fire extinguisher.
• Do not panic and activate the nearest fire alarm.

Earthquake
Stay calm.
If indoors, “Duck, Cover, and Hold On” under a table or desk or against an inside wall until the shaking stops. Protect your head and neck with your arms. If you are in a hallway, drop to the floor against an interior wall and protect your head and neck with your arms.

Do not wait for instructions.
Do not exit a building if you are trapped by fire, falling debris.

Fire or Explosion
Do not pan and activate the nearest fire alarm.
• Call 911 or the Campus Sheriff Station to report the location of the fire.
• Do not panic and activate the nearest fire alarm.
• If the fire is small, attempt to extinguish it with a fire extinguisher.

Do not activate the nearest fire alarm.
• If the fire is large, evacuate the building via the nearest exit.
• Close all doors when exiting.
• Use stairways and keep to the right.
• If you are caught in smoke, drop to your hands and knees and crawl.
• Breathe shallowly through your nose and use your clothing to cover your nose and mouth.
• Proceed to the nearest evacuation area.
• If you are trapped by fire in a room:
  • Place moist cloth material around/under the door to keep smoke out.
  • Retreat—Close as many doors as possible between you and the fire.
  • Be prepared to signal from windows, but do not break the glass unless absolutely necessary (Outside smoke and draft could be drawn in).

IMPORTANT PHONE NUMBERS
General Information (310) 233-4230 For Departments, Dial (310) 233 + extension

Admissions & Records ................................ 4090 SSA Lobby
Art Gallery .............................................. 4411 FA 100
Assessment Center Office ................................ 4072 SSA 118
Associated Students Org. ................................ 4594 SHC 201
Athletics .................................................. 4140 Athletics
Bookstore .................................................. 4170 SHC 105
CalWorks .................................................. 4403 OV 1B
Career Guidance Center ................................ 4282 SSA 105
Cashiers Office .......................................... 4212 SHC, 1st Fl.
Child Development Center ................................ 4200 CDC
Community Services .................................... 4450 B 16
Compliance Office ...................................... 213-801-2000, x2315
Computer Science ..................................... 4230 SSA Lobby
Counseling ................................................ 4265 SSA 207
Extended Opportunity Programs and Services ........ 4450
Financial Aid .......................................... 4320 SSA 114
Foundation Office ..................................... 4336 SSA 237
Health Services (Nurse) ............................... 4520 Cafe 110
Honors Program ........................................ 4038 SSA 130
Instructional Programs ................................ 4020 SSA 218
International Students ................................ 4111 SSA 115
Learning Assistance Center ......................... 4149 LAC
Library .................................................... 4480 LRC
Lost & Found ............................................ 4618 Sheriff
Matriculation ............................................ 4043 SSA 103E
Nursing Program ....................................... 4360 NU Lobby
PACE Program ......................................... 4522 NEA 167
Plan for Accelerated College Education .................. 4600 PE Bldg.
Sheriff’s Office ......................................... 4600 PE Bldg.
Student Services ....................................... 4030 SSA 203
Transfer Services Center .............................. 4282 SSA 105
Tutoring Office ......................................... 4149 LRC 114
Veteran Affairs Office ................................ 4232 SSA 114
Instructional Labs ......................................
Biology .................................................... 4553 SCC 213
Chemistry .................................................. 4360 NU 148
Finance .................................................... 4436
Foundation ............................................. 4498 LAC 105B
Health Sciences ........................................ 4498 LAC 105B
Math ...................................................... 4429
Music ...................................................... 4498 LAC 105B
Nursing .................................................... 4360 NU 148
Reading .................................................... 4149 LAC 111
Writing ..................................................... 4148 LAC 104A

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