



CHABOT
COLLEGE

2023 - 2024 Course Catalog ADDENDUM



CHABOT COLLEGE

ACADEMIC FREEDOM

Academic freedom exists and is nurtured in our community for the common good of all citizens. Students, faculty, administrators and society itself derive benefits from the practice of academic freedom with its open search for truth and its free exposition. Academic freedom is fundamental for the protection of the instructor's right in teaching and the student's right in learning in the classroom and on the campus. Academic freedom carries with it responsibilities correlative with rights, such responsibilities being implicit in all freedoms and assured by all members of the college to insure the rights of others.

Any issue involving the alleged violation of academic freedom on campus shall follow the procedures of academic due process as provided for the students, faculty, and the college, whichever be appropriate. (Board Manual, Policy 4030, adopted February 18, 2014)





CHABOT

COLLEGE



STATEMENT OF NON-DISCRIMINATION

Chabot College desires to maintain an academic and work environment which protects the dignity and promotes the mutual respect of all employees and students. Sexual harassment of employees or students will not be tolerated. In general, deliberate verbal comments, gestures or physical contact of a sexual nature that are unsolicited and unwelcomed will be considered harassment (Title VII of the Civil Rights Act of 1964).



"Never doubt that a small group of thoughtful, committed, citizens can change the world."

– Margaret Mead





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DISCLAIMER

Chabot College provides its catalog and other information for the general guidance of students, faculty, staff members, prospective students and other educational institutions. Every effort has been made to ensure its accuracy, although all information including but not limited to: costs, rules, regulations, program requirements, course content and staff, is subject to change at any time. Students should consult the college website (www.chabotcollege.edu), supplementary information, or college staff for the most up-to-date information.

This catalog is available in alternate format. Contact the Accessibility Center for Education, Building 2400 or call (510) 723-6725.

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Director, Public Relations, Marketing and Government Relations
Chabot-Las Positas Community College District
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CATALOG RIGHTS AND CONTINUOUS ATTENDANCE POLICY

Effective Fall 2023

A student has catalog rights for the purposes of meeting degree or certificate requirements by maintaining continuous attendance at the Chabot-Las Positas Community College District.

Continuous attendance is defined as enrollment in at least one semester during the academic year on a continuing basis. A student who does not attend for three consecutive semesters (fall, spring, summer) in one academic year or more is considered to be a returning student and would follow the catalog in effect at the time of their return. Students whose first semester of attendance is summer, would have catalog rights to the academic year immediately preceding the summer semester. Any academic record symbol (A-F, P, NP, I, P, RD, W, CW, EW, MW) shall constitute enrollment.

The Chabot College catalog rights and continuous attendance policy does not necessarily apply to the requirements at other institutions of higher education. Courses applicable towards major and general education requirements may change. Students who are planning to transfer are advised to consult the catalog of the institution to which they will transfer and consult www.assist.org for UC and CSU.

RESIDENCY REQUIREMENTS POLICY

Effective Fall 2022

In order to be granted an Associate Degree, of the total required units for the degree, at least 12 semester units must be completed in residence at Chabot College. Certificates do not require a minimum number of units to be completed in residence at Chabot College.





ABOUT MATH PLACEMENT

All students have access to transfer-level math courses after using the Math Course Selection (MCS), which also helps students place beyond the first level and consider lower level options.

It is helpful for you to complete the MCS at home before you attend a First Semester Planning session, so you can jump to talking to a counselor about your math choice.

Go to the Assessment Center website to learn more about how the Chabot Assessment Center can help you place into classes that match your skills and experience: www.chabotcollege.edu/counseling/assessment

The first-level transferable math courses are MTH 21, 33, 33S, 41 (Spring only), 43, 47; PSY 5; and BUS 19. MTH 21 is for students who need calculus; general students should choose another course. For more information about choosing a first-level transfer math course, use the Online Resources links below after completing the Math Course Selection in CLASS-Web.

HOW TO COMPLETE MATH COURSE SELECTION

Step 1: Log into CLASS-Web



Step 2: Click on the "Student Services" tab



Step 3: Toward the bottom of the page, click on the "Chabot Math Course Selection" link

Step 4: Follow the directions for each page and, when completed, a recommendation will be displayed.

ONLINE RESOURCES

To view math course options based on academic or career fields: tinyurl.com/ChabotMathByFields



For more detail about math courses: tinyurl.com/ChabotMathCourses



For more detail about self-placement above first-level transferable math course: tinyurl.com/CC2ndMath



SECTIONS WITH SUPPORT

This option is available for MTH 21, 43, 47, and PSY 5 for additional instructional support.

- PSY 5 students may additionally enroll in any section of PSY 5W workshop (0.5 unit). It is recommended especially for new college students with a high school GPA less than 2.3.
- MTH 43 and 47 students may additionally enroll in any section of MTH 220 Math Jam that is designated for their course. It is noncredit (no tuition cost, 1.5 hrs/wk) and recommended especially for new college students with a high school GPA less than 2.3.
- MTH 21 students may additionally enroll in any section of MTH 210 Math Jam that is designated for their course. It is noncredit (no tuition cost, 1.5 hrs/wk) and recommended for students with less than 3.4 HS GPA who never enrolled in calculus, and especially for students who less than 2.6 HS GPA and never enrolled in precalculus or IM 4.

OVERVIEW OF THE MATH COURSE SELECTION

Transfer-Level Courses	Precalculus in High School
<p>Do you plan to take Statistics and Liberal Arts Math (SLAM)? YES Take MTH 47, Math for Liberal Arts or MTH 41, Number Systems or MTH 43, Statistics or PSY 5, Statistics for Behavioral & Social Sciences</p> <p>Are you majoring in Business? YES ...and do you plan to take Applied Calculus? YES Start with MTH 31S (Summer 23) or MTH 21 (Fall 23), College Algebra NO Take BUS 19, Business Stats; or MTH 43 Intro Prob & Stats</p> <p>Are you majoring in Science, Technology, Engineering, and Math (STEM)? YES Start with MTH 31S (Summer 23) or MTH 21 (Fall 23), College Algebra</p>	<p>If you completed Precalculus or IM 4 in high school with C or higher but did not place into calculus (MTH 1 or 15) via MCS, you have the option to self-place higher than MTH 21. See QR code above for detail about self-placement.</p> <p>AP Exam Scores or Transfer Courses Present your documentation to a counselor for higher placement. Visit the Counseling website for more information at www.chabotcollege.edu/counseling.</p> <p>Pre-Transfer Courses To ensure that all students understand their right under AB 705 and the benefits of enrolling in transfer-level math course, a petition is required to enroll in a pre-transfer math course. The petition is located in CLASS-Web where the Math Course Selection is found. For more information, see https://tinyurl.com/CCPreTransferMath</p>

For information about updated placement process, please visit the Assessment Center website at www.chabotcollege.edu/counseling/assessment



MATH PLACEMENT UPDATES

NOTES ABOUT THE COURSE SEQUENCE CHART

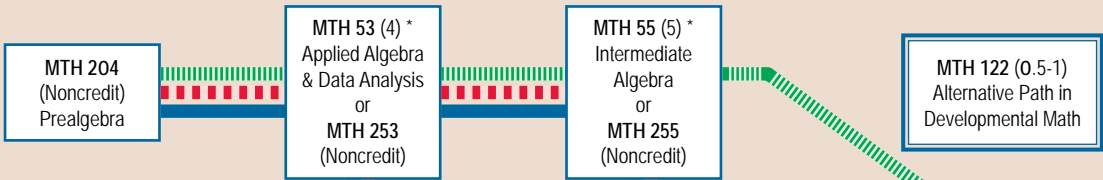
- The unit load for the course is in (parentheses).
- An * notes a class that meets the minimum requirement to satisfy the AA/AS math proficiency requirement. However, AB 705 gives you direct access to first-level transferable math courses, which you are encouraged to take to meet both the AA/AS math proficiency and transfer math requirements at the same time.
- A ± notes a class with the minimum requirement to satisfy the CSU GE math requirement.
- It is advised that you consult a Counselor to determine UC admission math requirements and visit www.assist.org to determine math requirements for your major.
- MTH 253 and MTH 255 are noncredit versions of MTH 53 and MTH 55, respectively. See <https://tinyurl.com/CCMathNC> for details.

MATH SEQUENCE

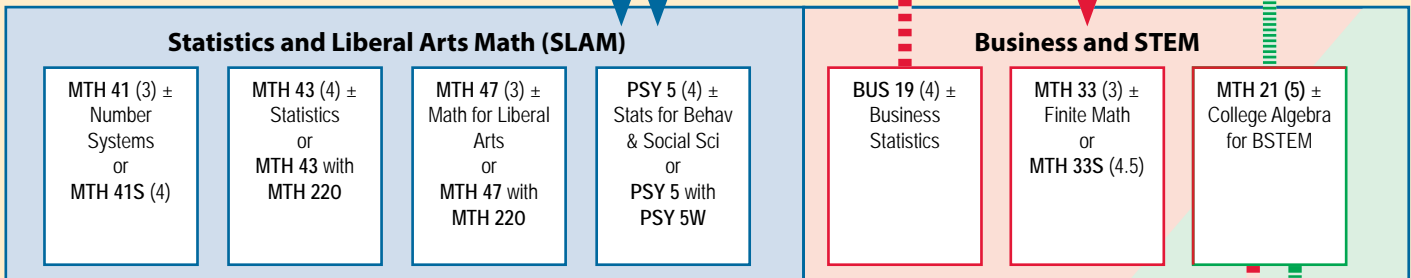
- The green slotted line shows the path for Science, Technology, Engineering, Mathematics (STEM) math courses.
- The red dashed line shows the path for Business majors
- The blue solid line shows the path for Statistics and Liberal Arts Math (SLAM) courses

Pre-Transfer Courses

A pre-transfer math prerequisite to any course is automatically satisfied per AB 705.



First-Level Transfer-Level Courses (take one)



MATH 122: MATH LAB

Math 122, Alternative Path in Developmental Mathematics is a self-paced course in which you independently work on an individualized curriculum online and have weekly or biweekly conference with the instructor about your progress. The curriculum is available up to precalculus.

This format works well for students who:

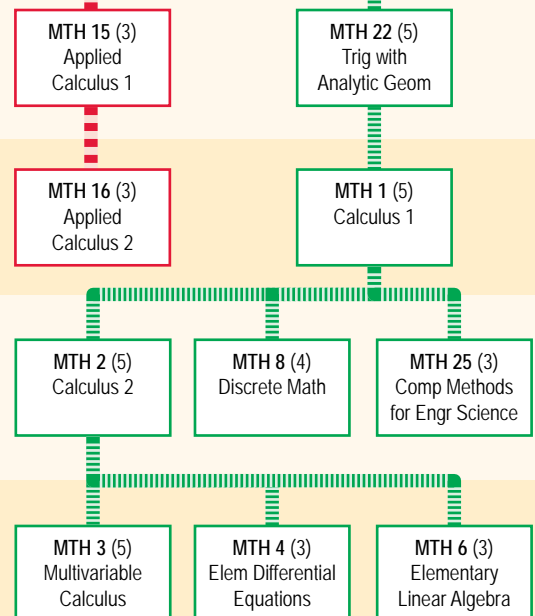
- Wish to review math independently before taking the course for which they are eligible.
- Have dropped a math course and wish to spend the remainder of the semester strengthening basic skills before they repeat the course.
- Are referred by the Chabot Nursing Program for TEAS preparation.
- Just want to brush up on math without the rigid structure of a class but still be guided by an instructor.

For more information about the Math Lab, visit: www.chabotcollege.edu/faculty/mho/apdm

Next-Level Transfer-Level Courses

MTH 2, MTH 8, and MTH 25 may be taken concurrently.

MTH 3, MTH 4, and MTH 6 may be taken concurrently.





DISTRICT BOARD POLICY BP 5500 STANDARDS OF STUDENT CONDUCT

REFERENCES

Education Code Sections 66300 and 66301; ACCJC Accreditation Standards I.C.8 and 10

The Chancellor shall establish procedures for the imposition of discipline on students in accordance with the requirements for due process of the federal and state law and regulations.

The procedures shall clearly define the conduct that is subject to discipline, and shall identify potential disciplinary actions, including but not limited to the removal, suspension, or expulsion of a student.

The Board of Trustees shall consider any recommendation from the Chancellor for expulsion. The Board shall consider an expulsion recommendation in closed session unless the student requests that the matter be considered in a public meeting. Final action by the Board on the expulsion shall be taken at a public meeting.

The procedures shall be made widely available to students through the college catalogs and other means.

The following conduct shall constitute good cause for discipline, including but not limited to the removal, suspension, or expulsion of a student, except for conduct that constitutes sexual harassment under Title IX, which shall be addressed under BP 3433 Prohibition of Sexual Harassment under Title IX:

- Causing, attempting to cause, or threatening to cause physical injury to another person.
- Possession, sale, or otherwise furnishing any firearm, knife, explosive, or other dangerous object, including but not limited to any facsimile firearm, knife, or explosive, unless, in the case of possession of any object of this type, the student has obtained written permission to possess the item from a District employee, which is concurred in by the college president.
- Unlawful possession, use, sale, offer to sell, or furnishing, or being under the influence of, any controlled substance listed in Chapter 2 (commencing with Section 11053) of Division 10 of the California Health and Safety Code, an alcoholic beverage, or an intoxicant of any kind; or unlawful possession of, or offering, arranging, or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code Section 11014.5.
- Committing or attempting to commit robbery or extortion.
- Causing or attempting to cause damage to District property or to private property on campus.

- Stealing or attempting to steal District property or private property on campus, or knowingly receiving stolen District property or private property on campus.
- Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the college or the District.
- Sexual assault or sexual exploitation regardless of the victim's affiliation with the District.
- Committing sexual harassment as defined by law or by District policies and procedures.
- Engaging in harassing or discriminatory behavior based on disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sexual orientation, or any other status protected by law.
- Engaging in intimidating conduct or bullying against another student or member of the District community through words or actions, including direct physical contact; verbal assaults, such as teasing or name-calling; social isolation or manipulation; and cyberbullying.
- Willful misconduct which results in injury or death to a student or to college personnel.
- Disruptive behavior, willful disobedience, habitual profanity or vulgarity, or the open and persistent defiance of the authority of, or persistent abuse of, college personnel or members of the District community.
- Cheating, plagiarism (including plagiarism in a student publication), or engaging in other academic dishonesty.
- Dishonesty, forgery, alteration, or misuse of college documents, records, or identification; or knowingly furnishing false information to the District.
- Unauthorized entry upon or use of college facilities.
- Lewd, indecent, or obscene conduct on District-owned or controlled property or at District-sponsored or supervised functions.
- Engaging in expression which is obscene; libelous, or slanderous; or which so incites students as to create a clear and present danger of the commission of unlawful acts on college premises, or the violation of lawful District administrative procedures, or the substantial disruption of the orderly operation of the District.
- Persistent, serious misconduct where other means of correction have failed to bring about proper conduct.
- Unauthorized preparation, giving, selling, transfer, distribution, or publication, for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to handwritten or typewritten class notes, except as permitted by any District policy or administrative procedure.

Students who engage in any of the above are subject to the procedures outlined in AP 5520 Student Discipline Procedures.



STUDENT RIGHTS AND RESPONSIBILITIES

District community is defined as the entirety of the public that interacts with the District, its Colleges, and District operations. This includes students, employees, visitors, and contractors.

Also see AP 5500 Standards of Student Conduct and AP 5520 Student Discipline Procedures.

Adopted: June 17, 2014

Board Reviewed: February 15, 2022

(Replaces former CLPCCD Policy 5512)

DISTRICT ADMINISTRATIVE PROCEDURE AP 5500 STANDARDS OF STUDENT CONDUCT

REFERENCES

Education Code Sections 66300 and 66301; ACCJC Accreditation Standards I.C.8 and 10

Students who violate any of the Standards of Student Conduct as outlined in BP 5500 Standards of Student Conduct will be subject to the discipline as delineated in AP 5520 Student Discipline Procedures.

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

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

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

This statement will specify one or more of the following actions that will be taken in the case:

1. Place on record a verbal or written reprimand.
2. Apply restorative justice or restitution practices which

require the student to take specific actions.

3. Place the student on probation, temporary exclusion, or suspension.
4. Recommend expulsion to the District Board of Trustees via the President of the College and the District Chancellor.
5. Assign the case for further review to a formal Hearing Committee.

The student may do one of the following:

1. Accept the VPSS/Designee decision.
2. Notify the VPSS/Designee in writing within two (2) working days to initiate a formal hearing.

DEFINITIONS

District means Chabot-Las Positas Community College District.

College means Chabot College or Las Positas College.

Student includes all persons taking courses at the College, both full time and part-time studies. Persons who are not officially enrolled for a particular term but who have a continuing relationship with the (College) are considered "students".

Faculty member means any persons hired by the (College/District) to conduct classroom activities.

Manager includes any person employed by the (College/District) performing assigned administrative, professional, or staff responsibilities.

Agent of the college includes any person who is a student, faculty member, classified professional, (College/District) official or any other person employed by the (College).

(College) premises includes all land, buildings, facilities, and other property in the possession of or owned, used or controlled by the (College) including adjacent streets and sidewalks.

College community includes any person who is a student, faculty member, staff, (College/District) official or any other person employed by the (College).

Organization means any number of persons who have complied with the formal requirements for (College) enrollment/registration.

Behavior includes conduct and expression.

Hazing means any method of initiation into a student organization, or any pastime or amusement engaged in with regard to such an organization or causes, or is likely to cause bodily danger, or physical or emotional harm, to any member of the college community.



Deadly weapons include any instrument or weapon of the kind commonly known as a blackjack, sling shot, billy club, sand club, sandbag, metal knuckles, any dirk, dagger, switchblade knife, or any knife having a blade longer than five inches, pistol, revolver, or any other firearm, any razor with an unguarded blade, any metal pipe or bar used or intended to be used as a club.

Shall is used in the imperative sense.

May is used in the permissive sense.

Policy is defined as the written regulations of the (College/District) as found in, but not limited to, the Student Code, and College Catalog.

Cheating includes, but is not limited to: fraud deceit, or dishonesty in an academic assignment or using or attempting to use materials, or assisting others in using materials which are prohibited or inappropriate in the context of the academic assignment in questions, such as: copying or attempting to copy from others during an exam or on an assignment, communicating answers with another person during an exam, preprogramming a calculator to contain answers or other unauthorized information for exams, using unauthorized materials, prepared answers, written notes, or concealed information during an exam, or allowing others to do an assignment or portion of an assignment for you, including the use of a commercial term-paper service.

Plagiarism includes, but is not limited to, the use, by paraphrase or direct quotation, of the published or unpublished work or another person without full and clear acknowledgement. It also includes the unacknowledged use of materials prepared; by another person or agency engaged in the selling of term papers or other academic materials.

Designee is the person(s) designated by the college or District. The Vice President of Student Services or college President may name a designee for Vice President of Student Services. The campus safety administrator or President may name a designee for campus safety administrator. The Chancellor may name the college President or another designee for Chancellor.

Day means a day during fall and spring semesters when the College is in session and regular classes are held, excluding Saturdays and Sundays. For the summer session, days—for purposes of notice and response under this Administrative Procedure—may be reasonably extended to ensure the responsible parties are able to appropriately attend to the issue. Notice of extension will be provided to the student.

District community refers to the entirety of the public that interacts with the District, its Colleges, and District operations. This includes students, employees, visitors, and contractors.

Also see BP 5500 Standards of Student Conduct and AP 5520 Student Discipline Procedures.

Adopted: March 18, 2014; Revised August 2016

Board Reviewed: January 18, 2022

(Replaces former Administrative Rules and Procedures 5512)







DISCONTINUED PROGRAMS

COMMUNICATION STUDIES (COMM)

Degree

AA Speech Communications

COURSE DEACTIVATION

COMPUTER SCIENCE (CSCI)

CSCI 5 Technology for Academic Success 1 Unit

GEOGRAPHY (GEO)

GEO 95 Work Experience 1-3 Units

GEO 96 Work Experience Seminar 1 Unit

MASS COMMUNICATIONS (MCOM)

MCOM 24 Newspaper Production IV 3 Units

MATHEMATICS (MTH)

MTH 65B Elementary Algebra B 3 Units

MTH 103 Basic Mathematics 3 Units

NURSING (NURS)

NURS 64 Pharmacology for Professional Nurses 3 Units

NURS 73 Intravenous Therapy Lab 0.5 Units

NURS 88 Pathophysiology 3 Units

PSYCHOLOGY - COUNSELING (PSCN)

PSCN 85 Fieldwork: Social Work and Human Services 3 Units





NEW, CORRECTED, AND MODIFIED NONCREDIT COURSE LISTING

ENGLISH

NON-CREDIT PREPARATION FOR ENGLISH COMPOSITION

Certificate of Competency

Learn or review strategies for reading critically in an academic setting, managing the steps of the writing process, and learning to access and use sources. This program is designed for students who are looking to practice their reading and writing in a low stakes environment before taking transfer-level, for-credit English courses. English 1, Critical Reading and Composition is required for most Associate's Degree and transfer programs. Students who earn the Non-credit Preparation for English Composition Certificate will be prepared with strategies for the reading and writing required in English 1 as well.

Career Opportunities

Critical reading and composition skills provide a foundation for skills required in most degree-level or transfer-level quantitative courses. Critical reading and composition skills developed in this program are essential preparation for careers such as, office manager, executive assistant, HR assistant.

Program Learning Outcomes

1. Critically respond to the ideas and information in academic texts;
2. Independently read and understand complex academic texts;
3. Develop and apply a series of metacognitive strategies for reading comprehension and analytical writing, to establish a strong foundation for transfer-level English.

Required Core (choose 2 courses)

		Hours
ENGL 201A	Non-Credit Preparation for Composition I	45
ENGL 201B	Non-Credit Preparation for English Composition II	45
ENGL 202	Noncredit Reading, Writing, and Reasoning— Accelerated Course	90
ENGL 215	Support with Writing and Reading	18-54

Total Hours:

63-144

ENGLISH (ENGL) COURSE UPDATES

202 Noncredit Reading, Writing, and Reasoning— Accelerated Course

90 Hours

New course

Preparation for academic reading, critical thinking, and writing expected in transfer and associate-degree classes. This course is designed to prepare students to move, in one semester, into English 1. It includes in-class time to practice college-level reading and writing, using primary texts of diverse authors, including marginalized voices. This course is tuition free and students may repeat this course until mastery of the skills is met. This course is tuition free and students may repeat this course until mastery of the skills is met. It is equivalent to the English 102 credit course of the same title; both options cover the same content and students will be enrolled in the same class at the same time. If a student chooses to move from noncredit to credit courses, please meet with English faculty to discuss assessing equivalency and credit by exam. This course can be used to earn a Certificate of Competency in Preparation for English Composition. Available Certificates can be found in the Chabot College Catalog.





APPRENTICESHIP: CONSTRUCTION SYSTEM ELECTRICAL LOW VOLTAGE (CEST)

CONSTRUCTION SYSTEM ELECTRICAL LOW VOLTAGE (CEST) COURSES

9701 Introduction to Construction Electronic Systems Technician I 3 Units

This course provides the Construction Electronic Systems Technician apprentice with instruction in the following areas: Basic safety, including accident prevention, lockout/tagout, trenching and lifting safety, firefighting, and electrical safety guidelines. Measurements and calculations, including units of imperial and metric measure, decimal and fractional numbers. Use of hand and power tools. Reading and care of blueprints. Rigging safety, equipment, crane hand signals, estimating size and weight of load. Methods used to move equipment and materials. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9702 Introduction to Construction Electronic Systems Technician II 3 Units

This course provides the Construction Electronic Systems Technician apprentice with instruction in basic principles of electrical safety and hazard procedures, including working with toxics and vapors. Students are also provided with instruction in techniques used to hand bend conduits and install anchors and supports. Additional instruction included an introduction to basic electrical theory and test equipment, the use of National Electric Code (NEC) boxes, fittings and conductors, and the interpretation of related electrical blueprints and commercial/industrial/residential symbols, diagrams and schematics used for wiring. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9703 Intermediate Construction Electronic Systems Technician I 3 Units

This course provides the Construction Electronic Systems Technician with instruction in mathematics related to the trade and electronic theory, including common electrical formulas, quantities, units, and analyzing the operation of electrical circuits. Standard electronic measurement tools, such as multimeters, wattmeters, and megohmmeters, and techniques for their use. Alternating Current (AC) and Direct Current (DC) electrical systems and grounding, and blueprint reading related to the trade. Application of wire, cable, and their termination. Student will learn applicable codes and standards and how to determine which codes and standards apply for a given application. Student must be a state registered apprentice in this trade. 36 hours lecture, 54 hours laboratory.

9704 Intermediate Construction Electronic Systems Technician II 3 Units

This course provides the Construction Electronic Systems Technician with instruction in types of cabling, switches and relays, terminating conductors, low-voltage codes and standards, and computer cabling applications. Installation, configuration, and troubleshooting of computer networking appliances. Study of fiber optic theory, devices, and systems. Basic theory, installation, and operation of wireless communication systems. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9705 Advanced Construction Electronic Systems Technician I 3 Units

This course provides the Construction Electronic Systems Technician with instruction in wire and cable selection, advanced buses and networks, fiber optic installation, cable and satellite television systems, and wireless communications. Students will learn the components, cabling, and installation techniques specific to audio, video, broadband, and digital communication systems. Student must be a state registered apprentice in this trade. 36 hours lecture, 54 hours laboratory.

9706 Advanced Construction Electronic Systems Technician II 3 Units

This course provides the Construction Electronic Systems Technician with instruction in wire and cable selection, advanced buses and networks, fiber optic installation, cable and satellite television systems, and wireless communications. Students will learn the components, cabling, and installation techniques specific to audio, video, broadband, and digital communication systems. Student must be a state registered apprentice in this trade. 36 hours lecture, 54 hours laboratory.

9795 Occupational Work Experience - Construction Electronic Systems Technician 1-8 Units New course

College supervised on-the-job training. Apprenticeship work experience in an occupation related to student's apprenticeship program. Cooperative effort of the work supervisor, student, Joint Apprenticeship Training Council (JATC) or Program Sponsor, and instructor to achieve work-based learning objectives. Student must be enrolled in an apprenticeship program. Each Unit of Credit requires 75 hours of paid work experience. Students can earn 1 to 8 units per semester for a maximum of 16 units of Cooperative Work Experience, which includes General Work Experience and Occupational Work Experience/Internship. 60-480 hours unpaid or 75-600 hours paid work experience.



APPRENTICESHIP: ELECTRICAL CONSTRUCTION (ELEC)

ELECTRICAL CONSTRUCTION (ELEC) COURSE UPDATES

9701 Introduction to Electrical Construction I 3 Units

This course provides the electrical worker with instruction in general construction site safety, measurements and formulas, use of hand and power tools, interpretation of blueprints, basic rigging techniques and methods used to move equipment and materials. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9702 Introduction to Electrical Construction II 3 Units

This course provides the electrical student with instruction in basic principles of electrical safety and hazard procedures, including working with toxics and vapors. Students are also provided with instruction in techniques used to hand bend conduits and install anchors and supports. Additional instruction includes an introduction to basic electrical theory and test equipment, the use of National Electric Code (NEC) boxes, fittings and conductors, and the interpretation of related electrical blueprints and commercial/industrial/residential symbols, diagrams and schematics used for wiring. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9703 Intermediate Electrical Construction I 3 Units

This course covers the installation of connections for conductor termination and splices; use of cable pulling instruments and National Electrical Manufacturers Association (NEMA) and National Electrical Code (NEC) standards for cable tray; installation of electrical service and related components and equipment; use of material take-off methods and troubleshooting techniques; identification of ratings for current breakers and fuses and regulations for sizing use, and installation of relay switches, conductors and overrides; electrical lighting principles, types and applications. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9704 Intermediate Electrical Construction II 3 Units

This course is an intermediate study of electrical techniques. Topics include the principles of alternating currents, the characteristics of circuits, transformers, motor theory applications, grounding purposes and methods, National Electrical Code (NEC) requirements for conduit bending, types of bends, specifications for boxes and fittings, and location considerations. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9705 Advanced Electrical Construction I 3 Units

This course is an advanced study of electrical techniques. Topics include branch load calculations for circuits and varied electrical appliances, electrical conductors, devices used for overprotection of loads, currents, circuits and fuses, fill requirements for boxes/raceways, principles of wiring devices, switches and receptacles, requirements for distribution equipment, settings for voltage, switch gear, circuits and components, distribution system transformers, National Electrical Code (NEC) requirements, and troubleshooting. This course is designed for students in the Electrical program. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9706 Advanced Electrical Construction II 3 Units

This course provides the electrical worker with instruction in basic lighting and National Electrical Code (NEC) requirements for indoor and outdoor lighting. Topics include introductory motor basics, including calculations, transformers, instruments for testing, wiring, protection, maintenance, and troubleshooting for various types of motors and motor controls. This course also covers an introduction to heating, ventilation, and air conditioning (HVAC) systems and refrigeration theory, including compressors, operating systems and system maintenance equipment, and safety requirements. The principles of combustion, hazardous materials, their reactions in varied locations, and the use of safety equipment is also included in this course. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9707 Electrical Construction Specialties I 3 Units

This course provides the electrical worker with instruction in calculations for wiring commercial and residential dwellings and National Electrical Code (NEC) requirements for lighting and specialty fixtures. Topics include the standby emergency electrical systems and system applications, disconnect switches, feeder and branch circuits for direct current (DC) systems, theory and operating principles for solid-state devices, operational amplifier circuits, transformers and components of fire alarm and security systems, and installation methods for smoke and heat detectors. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9708 Electrical Construction Specialties II 3 Units

This course is designed to provide the electrical worker with advanced instruction in controls for motors, starters, relays, switches and transformers as well as in the installation and connection of gas burner controls and commercial and industrial Heating Ventilation and Air Conditioning (HVAC) control systems. Topics also include National Electrical Code (NEC) and Occupational Safety and Health Administration (OSHA) requirements for connecting and grounding varied welding machines, installation and protection of heat-tracing and freeze protection equipment, principles and maintenance of motors, and selection of materials and tools required for high voltage termination/splices according to manufacturer's specifications. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.


**9795 Occupational Work Experience -
Electrical Construction**
1-8 Units

New course

College supervised on-the-job training. Apprenticeship work experience in an occupation related to student's apprenticeship program. Cooperative effort of the work supervisor, student, Joint Apprenticeship Training Council (JATC) or Program Sponsor, and instructor to achieve work-based learning objectives. Student must be enrolled in an apprenticeship program. Each Unit of Credit requires 75 hours of paid work experience. Students can earn 1 to 8 units per semester for a maximum of 16 units of Cooperative Work Experience, which includes General Work Experience and Occupational Work Experience/Internship. 60-480 hours unpaid or 75-600 hours paid work experience.

APPRENTICESHIP: PIPEFITTING (PLPF)
PIPEFITTING (PLPF) COURSE UPDATES
9701 Introduction to Plumbing I
3 Units

This course is designed to give the plumbing/pipefitting student introductory information regarding OSHA (Occupational Safety & Health Administration) standards of safety and precautions for working on the construction site; a review of math as it relates to plumbing, hand and power tool usage, basic plumbing blueprint reading, welding and basic rigging. This course is designed for students planning a career in the plumbing/pipefitting trade. Student must be a registered State indentured apprentice. May not receive credit if PLBG 9701 has been completed successfully. 36 hours lecture, 72 hours laboratory.

9702 Introduction to Plumbing II
3 Units

This course is designed to give the plumbing/pipefitting student an introduction to reading and interpreting the International Association of Plumbing & Mechanical Officials (IAPMO) uniform plumbing codes and residential plumbing drawings, identifying various types of pipe and the procedures for working with the pipe. This course also includes identification of various plumbing lines and their components. This course is designed for students planning a career in the plumbing trade. Student must be a registered State indentured apprentice. May not receive credit if PLBG 9702 has been completed successfully. 36 hours lecture, 72 hours laboratory.

9703 Intermediate Plumbing I
3 Units

This course is designed to give the plumbing/pipefitting student an introduction to reading and interpreting the International Association of Plumbing & Mechanical Officials (IAPMO) uniform plumbing codes and residential plumbing drawings, identifying various types of pipe and the procedures for working with the pipe. This course also includes identification of various plumbing lines and their components. This course is designed for students planning a career in the plumbing trade. Student must be a registered State indentured apprentice. May not receive credit if PLBG 9703 has been completed successfully. 36 hours lecture, 72 hours laboratory.

9704 Intermediate Plumbing II
3 Units

This course is designed to give the intermediate plumbing/pipefitting student the ability to perform testing of water supply piping and systems, installation of the components of a water supply system, and the ability to read and interpret commercial plumbing drawings for project requirements according to local and national codes. The application of advanced trade math concepts is further developed. This course is designed for students planning a career in the plumbing trade. Student must be a registered State indentured apprentice. May not receive credit if PLBG 9704 has been completed successfully. 36 hours lecture, 72 hours laboratory.

9705 Advanced Plumbing I formerly
3 Units

(Formerly PLBG 9705)

This course is designed to provide the advanced pipefitting/pipefitting student with the ability to perform applications of advanced math for plumbers and methods of handling waste. This course also provides information relating to water softening measures, methods of locating buried lines, the installation and maintenance of waste pressure booster systems, and the prevention of backflow. This course is designed for students planning a career in the plumbing/pipefitting trade. Student must be a registered State indentured apprentice. 36 hours lecture, 72 hours laboratory.

9706 Advanced Plumbing II
3 Units

(Formerly PLBG 9706)

This course is designed to provide the advanced plumbing/pipefitting student with the ability to organize job tasks, clean and disinfect potable water systems, thaw frozen pipes, and install main to meter water services and solar systems. This course also covers the ability to rough-in fixtures for residential, commercial and handicapped settings and install natural gas. This course is designed for students planning a career in the plumbing/pipefitting trade. Student must be a registered State indentured apprentice. 36 hours lecture, 72 hours laboratory.

9707 Plumbing Construction Specialties I
3 Units

(Formerly PLBG 9707)

This course is designed to introduce the plumbing student to specialty topics such as swimming pool installation, medical gas systems, mobile home and mobile home park plumbing systems, and private water waste and treatment systems. This course is designed for students planning a career in the plumbing trade. Student must be a registered State indentured apprentice. 36 hours lecture, 72 hours laboratory.

9708 Plumbing Construction Specialties II
3 Units

(Formerly PLBG 9708)

This course is designed to prepare the advanced plumbing student to apply plumbing codes to correctly design and build plumbing systems. Primary topics include coverage of codes pertaining to plumbing fixtures and fittings, water heaters and fuel piping, drainage, waste and vent systems, sewage and reclaimed water systems, sizing and standards, shielded metal arc welding and alternate plumbing systems. This course is designed for students planning a career in the plumbing trade. Student must be a registered State indentured apprentice. 36 hours lecture, 72 hours laboratory.



NEW, CORRECTED, AND MODIFIED COURSE LISTING, PLPF, APRO

9735 Pipefitting Construction Specialties I 3 Units

This course is designed to give the pipefitting student instruction in pipe hangers and supports, identifying and installing valves, field routing and vessel trim, spring can supports. Emphasis is placed on planning work activities and performing non-destructive examination testing. Student must be a registered State indentured apprentice. 36 hours lecture, 72 hours laboratory.

9740 Pipefitting Construction Specialties II 3 Units

This course is designed to give the Pipefitting student instruction in advanced pipe fabrication, aligning pipe to rotating equipment, steam traps, in-line specialties, special piping, hot taps and maintaining valves. Student must be a registered State indentured apprentice. 36 hours lecture, 72 hours laboratory.

9745 Pipefitting Construction Specialties III 3 Units

This course is designed to give the Pipefitting student an introduction to advanced rigging practices, installation of couplings, mechanical seals, and conventional alignment and laser alignment. Student must be a registered State indentured apprentice. 36 hours lecture, 72 hours laboratory.

9750 Pipefitting Construction Specialties IV 3 Units

This course is designed to give the Pipefitting student an introduction to steam systems, high-pressure systems, heaters, furnaces, heat exchangers, cooling towers and fin fans. Hydrostatic and pneumatic testing, basic hydraulic systems, troubleshooting and repairing hydraulic systems. Student must be a registered State indentured apprentice. 36 hours lecture, 72 hours laboratory.

9795 Occupational Work Experience - Plumbing/Pipefitting 1-8 Units

New course

College supervised on-the-job training. Apprenticeship work experience in an occupation related to student's apprenticeship program. Cooperative effort of the work supervisor, student, Joint Apprenticeship Training Council (JATC) or Program Sponsor, and instructor to achieve work-based learning objectives. Student must be enrolled in an apprenticeship program. Each Unit of Credit requires 75 hours of paid work experience. Students can earn 1 to 8 units per semester for a maximum of 16 units of Cooperative Work Experience, which includes General Work Experience and Occupational Work Experience/Internship. 60-480 hours unpaid or 75-600 hours paid work experience.

APPRENTICESHIP: ROOFING (APRO)

ROOFING (APRO) COURSE UPDATES

9701 Introduction to Roofing/Waterproof Industry 3 Units

Introduction to the apprenticeship program for the roofing and waterproofing industry including safety, use of tools and equipment, types of roofs and structural design. Student must be registered in the IRCC Apprentice Program. 36 hours lecture, 54 hours laboratory.

9702 Roof/Waterproof Material/Equipment 3 Units

Preparation and application of various roofing and waterproofing materials including bitumen and asphalt products, built-up roofing materials and adhesives, rigid roofing materials, elastomeric and plastic membranes, flashing materials, fasteners and operation and maintenance of small engines. Student must be registered in the IRCC Apprentice Program. 36 hours lecture, 54 hours laboratory.

9703 Build-Up Roofing Assemblies 3 Units

Preparation and application of built-up roofing assemblies and related components. Including roof preparation, handling, and loading of Built-up roofing materials. Operation, maintenance, and safety of kettle operation. Overview of other built-up roofing consideration - Insulation, Sumps and drains and Flashings. Student must be registered in the IRCC Apprentice Program. 36 hours lecture, 54 hours laboratory.

9704 Cold-Applied Roofing Systems 3 Units

Preparation and application of cold-applied assemblies and related components including waterproofing, dampproofing, asphaltic, bituminous sheet and membrane, elastomeric sheet and fluid applied systems. Student must be registered in the IRCC Apprentice Program. 36 hours lecture, 54 hours laboratory.

9705 Roofing Shingles 3 Units

Application and maintenance of various roofing shingle systems including safety, preliminary work, new construction, reroofing, roll roofing and wood shingles and shakes. Student must be registered in the IRCC Apprentice Program. 36 hours lecture, 54 hours laboratory.

9706 Rigid Roofing 3 Units

The preparation and application of rigid roof materials, including one and two piece Mission tiles, Roman tiles, Concrete interlocking tiles, slate and rigid materials. Hoisting and handling of rigid materials. Student must be registered in the IRCC Apprentice Program. 36 hours lecture, 54 hours laboratory.

9707 Maintenance/Repair/Re-Roofing 3 Units

The maintenance, repair and re-roofing, waterproofing and dampproofing of built-up, shingle, cold applied, single-ply and rigid roofs. Includes safety, material handling and leak detection. Student must be registered in the IRCC Apprentice Program. 36 hours lecture, 54 hours laboratory.

9708 Single-Ply Roofing and Waterproofing Systems 3 Units

The application and maintenance of single-ply roofing and waterproofing systems. Includes materials and safety of EDPM, Modified Bitumen and Thermoplastic systems. Student must be registered in the IRCC Apprentice Program. 36 hours lecture, 54 hours laboratory.

9709 Plans and Specifications 3 Units

The development and application of plans, specifications, regulations, cost estimating and mathematics for the roofing and waterproofing industry. Use of and reading plans, specification and codes related to the roofing trade. Mathematics, and square determinations. Student must be registered in the IRCC Apprentice Program. 36 hours lecture, 54 hours laboratory.



9710 Standard First Aid 3 Units

Development of first aid knowledge and skills necessary to care for most personal injuries and to meet most personal injuries, including but not limited to heat related illness, burns, bleeding, shock, stroke, seizures, and allergies. Accident prevention. Development of CPR knowledge and skills necessary to care for victims of sudden cardiac arrest, and use of AED. Successful completion of the knowledge and skills tests qualifies for an American Red Cross Adult CPR, AED and Standard First Aid Certification, valid for 2 years. Student must be registered in the IRCC Apprentice Program. 36 hours lecture, 54 hours laboratory.

9795 Occupational Work Experience - Roofing Apprenticeship 1-8 Units

New course

College supervised on-the-job training. Apprenticeship work experience in an occupation related to student's apprenticeship program. Cooperative effort of the work supervisor, student, Joint Apprenticeship Training Council (JATC) or Program Sponsor, and instructor to achieve work-based learning objectives. Student must be enrolled in an apprenticeship program. Each Unit of Credit requires 75 hours of paid work experience. Students can earn 1 to 8 units per semester for a maximum of 16 units of Cooperative Work Experience, which includes General Work Experience and Occupational Work Experience/Internship. 60-480 hours unpaid or 75-600 hours paid work experience.

**APPRENTICESHIP:
SHEETMETAL (SHEE)**

SHEETMETAL (SHEE) COURSE UPDATES

9795 Occupational Work Experience - Sheet Metal 1-8 Units

New course

College supervised on-the-job training. Apprenticeship work experience in an occupation related to student's apprenticeship program. Cooperative effort of the work supervisor, student, Joint Apprenticeship Training Council (JATC) or Program Sponsor, and instructor to achieve work-based learning objectives. Student must be enrolled in an apprenticeship program. Each Unit of Credit requires 75 hours of paid work experience. Students can earn 1 to 8 units per semester for a maximum of 16 units of Cooperative Work Experience, which includes General Work Experience and Occupational Work Experience/Internship. 60-480 hours unpaid or 75-600 hours paid work experience.

**APPRENTICESHIP:
TELECOMMUNICATIONS (APTE)**

**TELECOMMUNICATIONS (APTE)
COURSE UPDATES**

9707 Fiber Installation & Maintenance 3 Units

Introduction to Fiber Optic Technology. Provides coverage of theory, installation procedures, testing procedures, proper maintenance, and trouble analysis of Fiber Optics Systems. Introduction to multimode and single mode fiber. Coverage of how generic fiber optic systems operate. Procedures for interpreting the output of fiber optic monitor controls, optical time domain reflectometers and error rate test sets. Student must be a registered State indentured apprentice and/or approved by the CWA Joint Apprenticeship committee (CWA-JAC). 54 hours lecture.

9714 Introduction to Computer Networking 3 Units

The Course provides a thorough overview of networking basics: MAC and IP addressing, hubs and switches, packets and ports, and OSI versus TCP/IP models, cabling, topologies and Ethernet basics, basics of TCP/IP and an overview of routing, major TCP/IP applications, http, https protocols, ports and network naming conventions. This course also discusses VLAN, VPNs, IPv6 and remote connectivity; Using wired (Ethernet) and wireless (Wi-Fi) methods to connect the computers and equipment in a network; sharing files between computers and explaining how to manage connections to those services with DHCP and DNS addressing; setting up an Internet connection and configuring security and local-storage options for the network. Student must be a registered State indentured apprentice and/or approved by the CWA Joint Apprenticeship committee (CWA-JAC). 54 hours lecture.

9715 Computer Literacy 3 Units

Introduction to computers including: What is a computer, what's inside a computer, laptop and desktop computers, hardware, software, Microsoft Windows, Internet, World Wide Web, multimedia, browsers, Microsoft Word, Microsoft Excel, and an awareness of computer software in use including programming languages, electronic mail, storage devices, and printing. No prior computer experience necessary; course recommended for students of any major who want to learn about computers and how to use them. Student must be a registered State indentured apprentice and/or approved by the CWA Joint Apprenticeship Committee (CWA-JAC). 54 hours lecture.



NEW, CORRECTED, AND MODIFIED COURSE LISTING, APTE, ARCH

9716 Installation Skills-Level 3

3 Units

Advanced level procedures and practices of installing and maintaining telecommunications and associated equipment. Hands on exercises in testing and fusion splicing with fiber optic cabling circuits. The course discusses principles of security, intrusion detection systems, exploring the basics of design, and provides examples of the application of various types of sensors used to provide intrusion detection, various types of access control systems, video surveillance fundamentals, notification display devices, special systems such as nurse call, codes, standards, regulations, and organizations. Student must be a registered State indentured apprentice and/or approved by the CWA Joint Apprenticeship Committee (CWA-JAC). 54 hours lecture.

9718 Installation Skills-Level 2

3 Units

Intermediate level procedures and practices of installing telecommunications equipment, including EIA/TIA standards and applicable NEC and IEEE codes and standards for the telecommunications industry. Demonstrative proficiency in termination and testing of copper in accordance with the EIA/TIA 568 and 569 standards. Student must be a registered State indentured apprentice and/or approved by the CWA Joint Apprenticeship Committee (CWA-JAC). 54 hours lecture.

9720 Health and Safety

3 Units

Coverage of health and safety issues and procedures in the telecommunications industry. Included in the course will be an introduction to OSHA, health and safety related to falls, electrocution, falling objects, trench hazards, personal protective and lifesaving equipment, health hazards in construction, CPR and first aid training. In addition, overall and direct use of appropriate tools and equipment required to install and maintain communications systems are covered. Student must be a registered State indentured apprentice and/or approved by the CWA Joint Apprenticeship Committee (CWA-JAC). 54 hours lecture.

9721 Fiber Installation & Maintenance Level 2

3 Units

New course

Provides coverage of theory, and hands-on coverage of splicing activities necessary for the installation procedures; testing procedures; proper maintenance and trouble analysis of Fiber Optics Systems including multimode and single mode fiber. Coverage of how to splice fiber optic cables using a fusion splicer and connectorizing fiber cables with connectors. Procedures on open and close splice cases and closures. Procedures for interpreting fiber optical time domain reflectometers (OTDR). Student must be a registered State indentured apprentice and/or approved by the CWA Joint Apprenticeship Committee (CWA-JAC). 54 hours lecture.

9795 Occupational Work Experience -

Telecommunications Apprenticeship

1-8 Units

New course

College supervised on-the-job training. Apprenticeship work experience in an occupation related to student's apprenticeship program. Cooperative effort of the work supervisor, student, Joint Apprenticeship Training Council (JATC) or Program Sponsor, and instructor to achieve work-based learning objectives. Student must be enrolled in an apprenticeship program. Each Unit of Credit requires 75 hours of paid work experience. Students can earn 1 to 8 units per semester for a maximum of 16 units of Cooperative Work Experience, which includes General Work Experience and Occupational Work Experience/Internship. 60-480 hours unpaid or 75-600 hours paid work experience.

ARCHITECTURE (ARCH)

Degrees

AA Architecture

Certificate of Achievement

Architecture Technology

ARCHITECTURE

Associate in Arts

The Chabot College Architecture Program is a well-established program that prepares students to transfer into architecture programs at 4-year universities. Students may complete the program by earning an Associate of Arts (AA) degree in Architecture or Certificate of Achievement in Architecture Technology or transfer without a degree. Our program provides upgraded Building Information Modeling (B.I.M) computer labs and drafting studios with state-of-the-art computer drafting software for students to complete. Required courses cover design, drafting, building code, construction materials, interior design, graphics, 3-D modeling, urban design and landscape architecture.

Career Opportunities

This degree is designed to prepare students with knowledge of architecture building codes, drafting skills and building designs. Students who obtain this degree will be able to work with Architects, Landscape Architects, Developers, Interior Designers, Historic Preservation and Government Agencies. It is also designed as basic coursework for transferring into advanced degree programs in architecture and related fields.



Program Learning Outcomes

1. Develop architectural and freehand.
2. Identify and explain the behavior appearance and use building materials.
3. Incorporate the basic Uniform Building Code requirements to construction drawings.
4. Describe and apply knowledge of the structural systems using wood, steel, masonry, and concrete.

First Year

ARCH 2A	Architectural Graphics in Drawing and Sketching	3
ARCH 2B	Architectural Graphics in Color Rendering	3
ARCH 3	Digital Tools for Design and Visual Communication (same as ID 49)	3
ARCH 14	California Architecture and Urban Design	3
ARCH 33	Digital Communication in Modeling	3

Second Year

ARCH 4A	Architectural Drafting Principles I	3
ARCH 4B	Architectural Drafting Principles II	3
ARCH 8A	Fundamentals of Architectural Design I	4
ARCH 8B	Fundamentals of Architectural Design II	4
ARCH 12	Construction Materials and Methods	3
ARCH 16	People and Environmental Design	3

Major Requirements	35 units
General Education	25 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

ARCHITECTURE TECHNOLOGY

Certificate of Achievement

The Chabot College Architecture Program is a well-established program that prepares students to transfer into architecture programs at 4-year universities. Students may complete the program by earning an Associate of Arts (AA) degree in Architecture, or Certificate of Achievement in Architecture Technology, or transfer without a degree. Our program provides upgraded Building Information Modeling (B.I.M) computer labs and drafting studios with state-of-the-art computer drafting software for students to complete. Required courses cover design, drafting, building code, construction materials, interior design, graphics, 3-D modeling, urban design and landscape architecture.

Career Opportunities

This certificate of achievement is designed to prepare students for employment as assistant Architects, assistant landscape architects, junior developers, interior designers, architectural drafters, architectural office managers, model-making workers, and building construction workers.

Program Learning Outcomes

1. Develop computer rendering and drafting skills.
2. Develop advanced presentation skills in 3D forms and posters.
3. Incorporate Uniform Building Code requirements and City regulations to residential
4. Use different materials such as wood, truss, steel, masonry, and concrete to apply to structural systems.

First Year

		Units
ARCH 2A	Architectural Graphics in Drawing and Sketching	3
ARCH 3	Digital Tools for Design and Visual Communication (same as ID 49)	3
ARCH 14	California Architecture and Urban Design	3
ARCH 2B	Architectural Graphics in Color Rendering	3
ARCH 4A	Architectural Drafting Principles I	3
ARCH 33	Digital Communication in Modeling	3

Second Year

ARCH 4B	Architectural Drafting Principles II	3
ARCH 8A	Fundamentals of Architectural Design I	4
ARCH 12	Construction Materials and Methods	3
ARCH 8B	Fundamentals of Architectural Design II	4
ARCH 16	People and Environmental Design	3
ARCH 80	Architectural Education and Practice	2

Total	37
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ARCHITECTURE (ARCH) COURSE UPDATES

3 Digital Tools for Design and Visual Communication 3 Units

(Formerly 4.0 units course)

(See also ID 49)

Introduction to digital tools with computer-aided design drafting. Ability to effectively use basic design principles in two dimensions. Topics include command basics including drawing entity creation and modification, industry layering standards, text and dimensioning systems appropriate to architecture, creating symbol libraries, external reference techniques, model and paper space commands, and plotting techniques. May not receive credit if ID 49 or ARCH 68 has been completed. 36 hours lecture, 72 hours laboratory.

4A Architectural Drafting Principles I 3 Units

Introduction to principles and practice of architectural drafting with emphasis on working drawings for wood frame construction; introduction to drafting concepts and conventions for architectural working drawings, basic building systems, and architectural applications of computer-aided drafting technology. 36 hours lecture, 72 hours laboratory. **Prerequisite:** ARCH 3 (same as ID 49) or ARCH 68 or ID 49.



NEW, CORRECTED, AND MODIFIED COURSE LISTING, ART

ART (ART)

Degrees

AA Fine Art Sculpture

FINE ART SCULPTURE

Associate in Arts

Correction: List A should say ART 16B not Art 16A (already listed under required core)

The sculpture program provides a sequenced studio approach to three-dimensional creations in a variety of materials and techniques that prepare students for lifelong learning as a professional artist. Through working from observation and imagination as the backbone of the curriculum, students learn about medium, form, and content. The principal component of the program is studio activity, and students explore studio work that demonstrates individual expression, critical thinking, and an awareness of historical and contemporary art making. Critical dialogue and rigorous expectations about craftsmanship and studio best practices support work toward an artistic vision.

Career Opportunities

The Associate of Fine Arts degree is offered for the student eventually seeking a Bachelor of Fine Arts degree, the position of a professional artist or designer. The A.F.A. degree program is demanding, requiring high quality performance in order to develop the professional competence of talented students toward successful entrance into the professional art field. Job opportunities include curate an art gallery or mobile business, develop an effective portfolio that leads to successful marketing and entrepreneurship or set up, maintain, and manage a safe and effective studio. Job titles include: Commercial Artist, Designer, Exhibition Designer, Art Critic/Writer, Art Director.

Program Learning Outcomes

1. Gain functional competence with principles of visual organization, including the ability to work with visual elements in two and three dimensions; color theory and its applications; and drawing.
2. Present work that demonstrates perceptual acuity, conceptual understanding, and technical facility at a professional entry level in sculpture.
3. Become familiar with the historical achievements, current major issues, processes, and directions of sculpture.
4. Be afforded opportunities to exhibit their work and to experience and participate in critiques and discussions of their work and the work of others.

Required Core		Units
ART 2A	Introduction to Drawing	3
ART 16A	Introduction to Ceramics I	3
ART 17A	Beginning Sculpture 1	3
ART 17B	Beginning Sculpture 2	3
ART 20	All Media Sculpture	3
ART 22	Metal Sculpture - Lost Wax Bronze Casting	3
ART 23	2-D Foundations	3
ART 24	3-D Foundations	3
ART 45	Artist Portfolio and Self-Promotion	1.5
ARTH 5	Art History - Renaissance to Modern-Day	3

Art Electives (choose any 6 units)

ART 2B	Drawing and Composition	3
ART 3A	Figure and Composition I	3
ART 7A	Introduction to Watercolor Painting	3
ART 12A	Beginning Oil Painting	3
ART 13A	Acrylic Painting - Beginning I	3
ART 13B	Acrylic Painting - Beginning II	3
ART 16B	Introduction to Ceramics II	3
ART 18A	Wood and Stone Sculpture I	3
ART 18B	Wood and Stone Sculpture II	3
ART 61	Illustration	3
DIGM 1	Introduction to Digital Art	3
DIGM 2	Introduction to Graphic Design	3
DIGM 4A	Digital Illustration	3
DIGM 6A	Photoshop (same as PHOT 6A)	3
DIGM 10A	Introduction to Animation	3
DIGM 11	Video Editing	3
FILM 16	Documentary Filmmaking	3
PHOT 1A	Digital Photography I	3
PHOT 2A	Black and White Darkroom Photography	3
PHOT 3A	Introduction to Studio Lighting	3
PHOT 4A	Color Theory for Photographers	3
PHOT 6A	Photoshop (same as DIGM 6A)	3

Art History Elective (Choose any 3 units)

ARTH 4	Art History-Ancient to Gothic	3
ARTH 6	Art History - Twentieth- and Twenty-First Century Art	3
ARTH 8	Art History - A Global Perspective	3

Major Requirements	37.5 units
General Education	25 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units



ART HISTORY (ARTH)

Degree

AA-T Art History

ART HISTORY

Associate in Arts for Transfer

Correction: title for course ARTH 8 updated

Art History involves the analysis of form, historical context, and meaning in visual images made across the globe from prehistory to today. Because humans make art to communicate the breadth and depth of human experience, art historical inquiry can lead to a consideration of varied subjects, including cultural, ethnic, social, religious, economic, and political topics, in addition to artistic and aesthetic ones. The Art History major is particularly well-suited to students who consider themselves visual learners, or those seeking to enrich their cultural backgrounds, solidify their knowledge of history, develop analytical and writing skills, sharpen critical sensibilities, and prepare for opportunities in museums, galleries, historical societies, and more. Students wishing to pursue the Associate in Arts for Transfer in Art History must complete 60 semester units eligible for transfer to the California State University, including either: The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education Breadth Requirements, and a minimum of 18 units of major coursework in the major, as detailed below. Students must maintain a minimum 2.0 GPA, including grades of C or higher in each course taken to fulfill the major.

Program Learning Outcomes

1. develop the ability to interpret artistic content through the analysis of subject matter and form;
2. acquire a critical understanding of art in historical eras that accounts for changing cultural frameworks over time.

Required Core

Course	Description	Units
ARTH 4	Art History-Ancient to Gothic	3
ARTH 5	Art History - Renaissance to Modern-Day	3
ART 2A	Introduction to Drawing	3

List A (select one)

ARTH 7	Multicultural History of American Art	3
ARTH 8	Art History - A Global Perspective	3

List B (select one)

ART 3A	Figure and Composition I	3
ARTH 6	Art History - Twentieth- and Twenty-First Century Art	3
ART 23	2-D Foundations	3
ART 24	3-D Foundations	3

List C (select one)

ARTH 3	Film History and Appreciation	3
ARTH 20	History of Photography (same as PHOT 20)	3
PHOT 20	History of Photography (same as ARTH 20)	3

Electives: Any CSU transferable units. Only needed if major & GE units do not total 60 CSU transfer units.

NOTE: Grades of "C" or higher is required for major courses, IGETC courses, and CSU GE Areas A2 and B4.

Major Requirements	18 units
General Education	CSU GE 39 units IGETC (CSU) 37 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

ART HISTORY (ARTH) COURSE UPDATES

1 Introduction to Art 3 Units

Why does art matter? Art matters because human beings make—have always made and always will make—images to communicate the great breadth of human experience. And why does the history of art matter? Because without it, the meaning of our forebears' images—their messages, teachings, gifts—will be lost to us. In this introduction to art, our class will travel through history and across the globe to learn how we humans use painting, sculpture, architecture, photography and other artforms to respond to our circumstances, to solve our problems, to demonstrate our values, and to make beauty from the materials we find around us. (Formerly ART 1; may not receive credit if ART 1 has been completed.) 54 hours lecture.

ASTRONOMY (ASTR)

ASTRONOMY (ASTR) COURSES

30 Introduction to Astronomy Lab 1 Unit

Introduction to laboratory principles and techniques in astronomy. Includes operation of local and/or remote robotic telescopes, calculation of angular sizes, spectroscopy, lunar phases, eclipses, computer simulations, digital image analysis and processing, motions of the sun, moon, and planets, and identification of constellations and stars in the seasonal night skies. 54 hours laboratory. **Prerequisite:** ASTR 10 May be taken concurrently or ASTR 20 may be taken concurrently

BIOLOGICAL SCIENCES (BIOS)

Degree

AS-T Public Health Science

PUBLIC HEALTH SCIENCE

Associate in Science for Transfer

Correction: removed the 'or' between BIOS 42 and BIOS 43

The AS-T in Public Health Science provides a clearly articulated curricular track for students who wish to transfer to baccalaureate degree programs at a California State University (CSU) campus. California Community College students who are awarded an AS-T in Public Health Science are guaranteed admission with junior standing in the CSU System and given priority admission consideration to their local CSU campus to a program in areas such as Public Health, Health Science, Kinesiology with a Health Education or a Health and Wellness Promotion concentration, Collaborative Health and Human Services with Community Health option, as well as related fields. For detailed requirements for individual four-year institutions, students should contact the transfer institution and meet with a counselor for specific transfer course requirements in their chosen major. AS-T Requirements: • Completion of 60 semester units or 90 quarter units of degree-applicable courses, • Minimum overall grade point average of 2.0, • Minimum grade of "C" (or "P") for each course in the major, and • Completion of IGETC or CSU GE-Breadth.

Program Learning Outcomes

1. Demonstrate an understanding of health and wellness information using the scientific method, scientific research and established knowledge.
2. Explain the interdependence of molecular through organismal structure and function in both health and disease.
3. Acquire, conduct, analyze, and interpret data using scientific terminology, measurements, and protocols.

Required Core		Units
HLTH 1	Introduction to Personal Health	3
BIOS 18	Introduction to Public Health (same as APHC 9702, HLTH 18) or	3
HLTH 18	Introduction to Public Health (same as APHC 9702, BIOS 18)	3
PSY 5	Introductory Statistics for the Behavioral and Social Sciences or	4
MTH 43	Introduction to Probability and Statistics	4
BIOS 41	Fundamentals of Biology for Health Sciences	4
CHEM 30A	Introductory and Applied Chemistry I	4
PSY 1	General Psychology	3
BIOS 42	General Human Anatomy	5
BIOS 43	Human Physiology	5

List A (chose one course)

ECN 1	Principles of Microeconomics	3
ECN 2	Principles of Macroeconomics	3
HLTH 8	Human Sexuality (same as PSY 8, SOCI 8) or	3
PSY 8	Human Sexuality (same as HLTH 8, SOCI 8) or	3
SOCI 8	Human Sexuality (same as HLTH 8, PSY 8)	3
BIOS 44	Microbiology	5
NUTR 1	Introduction to Nutrition Science	3
PSY 12	Lifespan Psychology	3
SOCI 1	Principles of Sociology	3
PSCN 3	Drugs, Recovery and Prevention in Modern Society	3

Major Requirements	34-36 units
General Education	37-39 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units



**BIOLOGICAL SCIENCES (BIOS)
COURSE UPDATES**

43 Human Physiology **5 Units**
Human cellular and systemic body functions are studied. Emphasis is placed on physics, chemistry, and clinical concepts. Students will learn collection and analysis of data, extrapolations and conclusions. Working models, including human responses, and computer simulations are studied. Intended for students needing preparation for careers and program prerequisites in nursing, dental hygiene, physical therapy and other allied health sciences. May not receive credit if PHSI 1 has been completed successfully. 54 hours lecture, 108 hours laboratory. **Prerequisite:** CHEM 30A and BIOS 42 **Strongly Recommended:** CHEM 30B and Eligibility for ENGL 1.

BUSINESS (BUS)

Degrees

AS Architecture

Certificates

Basic Employability Preparation (new)
Management
Marketing

BUSINESS

Associate in Science

The core curriculum for the Business Associate in Science Degree involves completing the courses below and the general education requirements. Students may enroll in one of the three areas of concentration: General Business, Management, or Marketing. Only one Associate in Science Degree in Business may be earned. While all classes in the program transfer to four-year universities at least as electives, the program is not intended to prepare a student for transfer. If your main goal is transferring to a four-year school, consider completing the AS-T in Business Administration for Transfer instead.

Career Opportunities

This program intends to prepare students for new employment or promotions in the fields of management, supervision, marketing, finance, international business, or other areas of business administration. This degree with its three areas of concentration (General Business, Marketing, and Management) can lead to positions of General and Operations managers, Marketing, and Sales managers. The labor market information data on annual openings in 2018-28 for Oakland-Hayward-Berkeley Metro Area from San Francisco Bay Center of Excellence for Labor Market Research is as follows: marketing managers: 310 annual openings, sales managers: 516 annual openings, all other managers: 1,025 annual openings. The total is 1,851 annual openings.

Program Learning Outcomes

1. Understand and apply generally accepted accounting principles to prepare financial statements
2. Develop understanding of the law and the legal environment as it relates to business operations, including ethical considerations.
3. Create effective oral and written business communications using modern communication technologies.
4. Apply critical thinking and analytical skills in decision making and problem solving.

Required Core

BUS 1A	Financial Accounting	4
	or	
BUS 7	Accounting for Small Business	3
BUS 10	Business Law	4
BUS 12	Introduction to Business	3
BUS 16	Business Mathematics	3
BUS 22	Introduction to Management	3
BUS 36	Introduction to Marketing	3
BUS 40	International Business	3
CAS 50	Introduction to Computer Application Systems	3
	or	
CAS 54	Microsoft Excel	3
	or	
CSCI 8	Computer Literacy	3

Concentration

Select one from the three areas of concentration below. Only one A.S. degree in Business may be earned



NEW, CORRECTED, AND MODIFIED COURSE LISTING, BUS

Concentration 1 - General Business

Select a minimum of 9 units from the list below and/or any lower division course with a prefix Business or Entrepreneurship not already used for a major requirement.

BUS 1B	Managerial Accounting	4
BUS 20	Law and Society	3
BUS 21	Human Resource Management	3
BUS 26	Small Business Management	3
BUS 28	Human Relations in the Workplace	3
BUS 43	Personal Financial Planning	3
BUS 50A	Skills for Supervisors	1
BUS 50C	Interviewing for Success	1
BUS 50D	Resumes and Job Application Letters	1
BUS 50J	Time Management Skills	1
BUS 50K	Listening Skills	1
BUS 50L	Careers in Business	1
BUS 50M	Workplace Diversity	1
BUS 50N	Dealing with Difficult People	1
BUS 50P	Quality Customer Service	1
BUS 50R	Being a Successful Virtual Worker	1
BUS 50S	Managing Virtual Teams	1
ENTR 1	Introduction to Entrepreneurship	3
ENTR 5	The Entrepreneurial Mindset	3
ENTR 20	Marketing for Entrepreneurs	3
ENTR 30	The Business Plan	3

Concentration 2 - Management

BUS 21	Human Resource Management	3
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Select a minimum of 6 units from the following options:

BUS 1B	Managerial Accounting	4
BUS 26	Small Business Management	3
BUS 28	Human Relations in the Workplace	3
BUS 50A	Skills for Supervisors	1
BUS 50C	Interviewing for Success	1
BUS 50D	Resumes and Job Application Letters	1
BUS 50J	Time Management Skills	1
BUS 50K	Listening Skills	1
BUS 50L	Careers in Business	1
BUS 50M	Workplace Diversity	1
BUS 50N	Dealing with Difficult People	1
BUS 50P	Quality Customer Service	1
BUS 50R	Being a Successful Virtual Worker	1
BUS 50S	Managing Virtual Teams	1
ENTR 1	Introduction to Entrepreneurship	3

Concentration 3 – Marketing

BUS 34	Introduction to Advertising	3
ENTR 20	Marketing for Entrepreneurs	3

Select a minimum of 3 units from the following options:

BUS 26	Small Business Management	3
BUS 32	Retail Store Management	3
BUS 50A	Skills for Supervisors	1
BUS 50C	Interviewing for Success	1
BUS 50D	Resumes and Job Application Letters	1
BUS 50J	Time Management Skills	1
BUS 50K	Listening Skills	1
BUS 50L	Careers in Business	1
BUS 50M	Workplace Diversity	1
BUS 50N	Dealing with Difficult People	1
BUS 50P	Quality Customer Service	1
BUS 50R	Being a Successful Virtual Worker	1
BUS 50S	Managing Virtual Teams	1
ENTR 1	Introduction to Entrepreneurship	3

The above listing is a suggested sequence only. Some courses may have prerequisites. Students may take courses in any sequence except where a prerequisite applies.

Required Major Specific G.E. Requirement

BUS 14	Business Communications	3
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Major Requirements	34 - 35 units
General Education	19 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

BASIC EMPLOYABILITY PREPARATION

New!

Certificate of Proficiency

The Certificate of Proficiency in Basic Employability Preparation assists students in developing an understanding of college and job readiness skills and professional communication required in the workplace. The focus is on providing skills for integrated employment, such as demonstrating healthy behaviors in interpersonal engagement, social settings, and employment opportunities. Successful completion of this certificate prepares students for entry-level customer service positions.

Program Learning Outcomes

1. Develop college and job readiness skills.
2. Demonstrate healthy behaviors in personal, social, and employment interactions.



Required Core		Units
PSCN 10	Career and Educational Planning	2
PSCN 20	The College Experience	2
PSCN 24	Personal Growth or	1
PSCN 12	Self-Esteem For Success	2
SERV 85A	Learning in Action: Beginning	1
List A (select 3 units)		
BUS 50C	Interviewing for Success	1
BUS 50D	Resumes and Job Application Letters	1
BUS 50J	Time Management Skills	1
BUS 50K	Listening Skills	1
BUS 50L	Careers in Business	1
BUS 50M	Workplace Diversity	1
BUS 50N	Dealing with Difficult People	1
BUS 50P	Quality Customer Service	1
Total		9-10

MANAGEMENT

Certificate of Achievement

Chabot’s quick and flexible Certificate of Achievement in Management will provide you with the people skills and business knowledge to succeed and advance in for-profit or non-profit organizations. Graduates of the program have secured new positions or gained promotions to general managers, supervisors, assistant HR managers, office managers, retail store managers, sales managers, distribution managers, business owners, production supervisors, training coordinators, recruiters, buyers, and purchasing agents. The certificate consists of 6 classes, so it can be finished in 1-2 semesters studying part-time. Required classes can be taken in any sequence (except for BUS 1B) and there are no prerequisites to begin the program. Classes are available online, on campus, and in a hybrid format (a mix of on campus and online). The certificate can be earned fully online. All classes within the program apply toward an AS degree in Business, emphasis in Management.

Career Opportunities

This fast and flexible certificate is popular with currently employed students looking for a promotion to a supervisory or managerial position. It is also highly beneficial to current managers who wish to upgrade their skills and improve their chances for further promotion. Labor market information informs that open positions for managers in the Oakland-Hayward-Berkeley metropolitan area are 11,140 in 2018 with annual opening of 1,025.

- Program Learning Outcomes**
1. Understand and apply generally accepted accounting principles to prepare financial statements.
 2. Develop understanding of the law and the legal environment as it relates to business operations, including ethical considerations.
 3. Create effective oral and written business communications using modern communication technologies.
 4. Apply critical thinking and analytical skills in decision making and problem solving.

Required Core		Units
BUS 12	Introduction to Business	3
BUS 21	Human Resource Management.	3
BUS 22	Introduction to Management	3
BUS 1A	Financial Accounting or	4
BUS 7	Accounting for Small Business	3

List A (Choose a minimum of six units)

BUS 1B	Managerial Accounting	4
BUS 10	Business Law	4
BUS 14	Business Communications	3
BUS 16	Business Mathematics	3
BUS 28	Human Relations in the Workplace	3
BUS 36	Introduction to Marketing	3
BUS 40	International Business	3
BUS 50A	Skills for Supervisors	1
BUS 50C	Interviewing for Success	1
BUS 50D	Resumes and Job Application Letters	1
BUS 50J	Time Management Skills	1
BUS 50K	Listening Skills	1
BUS 50L	Careers in Business	1
BUS 50M	Workplace Diversity	1
BUS 50N	Dealing with Difficult People	1
BUS 50P	Quality Customer Service	1
BUS 50R	Being a Successful Virtual Worker	1
BUS 50S	Managing Virtual Teams	1

The above listing is a suggested sequence only. Some courses may have prerequisites. Students may take courses in any sequence except where a prerequisite applies.

Total		18-19
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NEW, CORRECTED, AND MODIFIED COURSE LISTING, BUS

MARKETING

Certificate of Achievement

This certificate is popular among students who are searching for an entry-level position in marketing, sales, or advertising. It is also beneficial to people currently employed in the field who wish to upgrade and improve their chances for further promotion. This flexible and quick certificate consists of only 6 classes that can be taken in any sequence. All required classes are offered every semester, including summer, with the one exception of BUS-34, Introduction to Advertising, which is offered every fall. You can finish the certificate in 2 semesters attending college part-time. The certificate can be earned fully online. All classes within the certificate will also apply towards an AS degree in Business, Marketing concentration.

Career Opportunities

Research indicates that about one-third of the labor force is now employed in marketing. Career opportunities in marketing are also expected to grow rapidly in the future. Marketing careers offer flexibility, mobility, and pay to match your ability. Graduates of this program have become marketing managers, professional sales and customer service representatives, small business owners, buyers and merchandisers in the retail community. They are also responsible for buying and selling product offerings, planning promotions and advertising and public relations campaigns. Here is labor demand in Oakland-Hayward-Berkeley for some of the jobs the program graduates may acquire: Sales Representative Services: 8,950 jobs available in 2018, with annual job openings of 1,270. Buyers & Purchasing Agents: 3,340 jobs available in 2018, with annual job openings of 331, Customer Service reps: 13,740 jobs available in 2018, with annual job openings of 1,781, Marketing Managers: 2,830 jobs available in 2018, with annual job openings of 310.

Program Learning Outcomes

1. Develop a viable marketing strategy for the product offer, promotion, placement and pricing of a product or service.
2. Evaluate economic, social and regulatory impacts of advertising.
3. Create effective oral and written business communications using modern communication technologies.
4. Apply critical thinking and analytical skills in decision making and problem solving.

Required Core

	Units
BUS 12 Introduction to Business	3
BUS 14 Business Communications	3
BUS 34 Introduction to Advertising	3
BUS 36 Introduction to Marketing	3
ENTR 20 Marketing for Entrepreneurs	3

List A (choose a minimum of three units)

BUS 1A	Financial Accounting	4
BUS 7	Accounting for Small Business	3
BUS 16	Business Mathematics	3
BUS 22	Introduction to Management	3
BUS 32	Retail Store Management	3
BUS 40	International Business	3
BUS 50A	Skills for Supervisors	1
BUS 50C	Interviewing for Success	1
BUS 50D	Resumes and Job Application Letters	1
BUS 50J	Time Management Skills	1
BUS 50K	Listening Skills	1
BUS 50L	Careers in Business	1
BUS 50M	Workplace Diversity	1
BUS 50N	Dealing with Difficult People	1
BUS 50P	Quality Customer Service	1
BUS 50R	Being a Successful Virtual Worker	1
BUS 50S	Managing Virtual Teams	1
ENTR 1	Introduction to Entrepreneurship	3

The above listing is a suggested sequence only. Some courses may have prerequisites. Students may take courses in any sequence except where a prerequisite applies.

Total **18-19**

BUSINESS (BUS) COURSE UPDATES

14 Business Communications 3 Units

This course applies the principles of ethical and effective communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes planning, organizing, composing, and revising business documents using word processing software for written documents and presentation-graphics software to create and deliver professional-level oral reports. This course is designed for students who already have college-level writing skills. 54 hours lecture, 18 hours laboratory. **Strongly Recommended:** ENGL 1 Critical Thinking and Composition

36 Introduction to Marketing 3 Units

Survey of marketing, including consumer behavior, company and environmental analysis, market segmentation, product development, pricing, promotion, and distribution. Marketing for small and large businesses, startups, governments, and institutions. Personal, consumer, business to business and digital marketing are included.

50R Being a Successful Virtual Worker 1 Unit

New course

Students will learn about the skills, characteristics, and strategies of successful remote/virtual workers, as well as the aspects that impede successfully working in a virtual position. Students will examine elements related to keeping productivity high and creating a healthy virtual work life and personal life balance. 18 hours lecture.



50S Managing Virtual Teams

1 Unit

New course

Students will discover the characteristics and skills of effective virtual team members and leaders. Students will learn the virtual team life cycle (including establishing and disbanding a virtual team), effective communication in and with a virtual team, and leading virtual team members to keep them engaged. 18 hours lecture.

88 Introduction to Project Management

3 Units

Project management is the ability to define work efforts in terms of time, budget, and resource needs essential for business planning. Covers the forms, tools, and processes to plan and manage these efforts both efficiently and effectively. 54 hours lecture. **Strongly Recommended:** CAS 50, Computer Application Systems 8 or CSCI 8 and CAS 54A.

89 Project Planning, Scheduling and Control

3 Units

A successful Project Manager relies on an effective management plan, which provides a baseline for monitoring progress, identifying variances, and taking timely action to mitigate the impact of problems. In this course, you learn how to create such a plan and implement it through to project completion and evaluation. It explores in greater detail the tools and techniques presented in Business 88. 54 hours lecture. **Strongly Recommended:** BUS 88.

Program Learning Outcomes

1. pursue and evaluate knowledge through the skills of inquiry, research and critical thinking.
2. demonstrate effective skills in written and spoken communication.

Required Core

		Units
COMM 3	Group Communication	3
COMM 10	Interpersonal Communication	3
COMM 11	Intercultural Communication	3
COMM 12	Gender, Sexual Identity, and Communication	3
COMM 50	Introduction to Communication Studies	3

Electives (choose one course)

COMM 70B	Experienced Communication Tutor Training	2-3
PSCN 1	Introduction to Psychology- Counseling in a Multicultural Environment (same as APHC 9710)	3
PSY 3	Social Psychology	3
PSY 33	Psychology of Personal and Social Adjustment	3
SOCI 4	Marriage and Family Relations	3
SOCI 6	Introduction to Gender	3

Total

17-18

COMMUNICATION STUDIES (COMM)

Certificates

Interpersonal Communication
Persuasive and Rhetorical Communication

INTERPERSONAL COMMUNICATION

Certificate of Achievement

Correction: PSY 33 course title update

The Interpersonal Certificate of Achievement is designed to prepare students with a strong foundation for communication in dyads and small group communication. This unique area of communication studies allows students to explore areas that are common to our everyday lives as well as many professions. Students learn theories of small group communication, interpersonal communication, intercultural and gender studies, as well as a survey of the entire discipline.

Career Opportunities

This certificate can enhance resumes for students wishing to work in health care settings, customer service positions, and other business environments.

PERSUASIVE AND RHETORICAL COMMUNICATION

Certificate of Achievement

This certificate develops student skills to become strong communicators by providing a foundation in the available means of persuasion (Rhetoric).

Career Opportunities

Communication skills are vital in all industries. In particular, students who study Rhetoric often go into legal careers, but many students pursue careers in advertising, public relations, film, tv, and other emerging technological fields. Rhetoric students are often very successful in gaining acceptance into graduate programs, especially in Communication, Business, Law, and Media Studies.

Program Learning Outcomes

1. pursue and evaluate knowledge through the skills of inquiry, research and critical thinking.
2. demonstrate effective skills in written and spoken communication.

Required Core

		Units
COMM 1	Fundamentals of Speech Communication	3
COMM 20	Persuasion and Communication	3
COMM 46	Argumentation and Debate	3
COMM 48	Activities in Forensics	1-4
COMM 50	Introduction to Communication Studies	3



NEW, CORRECTED, AND MODIFIED COURSE LISTING, COMM, CAS

List A (choose one course)

MCOM 40	Introduction to Broadcasting	3
MCOM 41	Introduction to Mass Communications	3
MCOM 43	Advertising Sales & Media Management	3
ENGL 4A	Critical Thinking and Writing about Literature	4
ENGL 7A	Critical Thinking and Writing across Disciplines	4
PHIL 70	Introduction to Political and Social Philosophy	3
POSC 25	Introduction to Political Theory	3

Total **16-20**

COMMUNICATION STUDIES (COMM) COURSE UPDATES

11 Intercultural Communication **3 Units**

This course will focus on the transmission and interpretation of messages between people from different cultures. Particular attention will be paid to beliefs, values, and norms reflected in American culture, specifically the crisscrossing dynamics of race, ethnicity, gender, religion and class. Emphasis on practical application of skills for effective communication between people of different domestic and international cultures. 54 hours lecture.

COMPUTER APPLICATION SYSTEMS (CAS)

Degrees

AS Administrative Assistant

ADMINISTRATIVE ASSISTANT

Associate in Science

The AS degree, Administrative Assistant covers a wide knowledge base needed for the workplace environment in diverse organizational settings. The program emphasizes technology, proofreading and editing, document formatting, electronic filing, accounting, business communication, and general business skills. Students will develop administrative skills necessary to be a part of the management team.

Career Opportunities

The AS degree, Administrative Assistant prepares students to work in an office environment, in such positions as office managers, supervisors, administrative assistants, and clerks. These positions use a variety of office technology and computer-based applications (word processing, electronic mail, database, spreadsheets, presentation graphics), as well as such business skills as written and oral communications, accounting, basic payroll, team building, and leadership.

Program Learning Outcomes

1. Become proficient in computer applications and use them to solve common business problems.
2. Apply critical thinking and analytical skills in decision-making and problem solving.
3. Create effective oral and written business communications, including quantitative report, using modern communication technologies.

Required Core

BUS 7	Accounting for Small Business	3
CAS 50	Introduction to Computer Application Systems	3
CAS 54	Microsoft Excel	3
CAS 71	Keyboarding & 10 Key	3
CAS 88	Microsoft Word	3

List A: Select three of the following courses (9 units)

BUS 12	Introduction to Business	3
BUS 16	Business Mathematics	3
BUS 21	Human Resource Management	3
BUS 22	Introduction to Management	3
BUS 28	Human Relations in the Workplace	3
BUS 36	Introduction to Marketing	3

List B: Select three of the following courses (3 Units)

BUS 50A	Skills for Supervisors	1
BUS 50C	Interviewing for Success	1
BUS 50D	Resumes and Job Application Letters	1
BUS 50J	Time Management Skills	1
BUS 50K	Listening Skills	1
BUS 50M	Workplace Diversity	1
BUS 50N	Dealing with Difficult People	1
BUS 50P	Quality Customer Service	1
BUS 50R	Being a Successful Virtual Worker	1
BUS 50S	Managing Virtual Teams	1

Program-Based General Education Requirement:

BUS 14	Business Communications	3
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Major Requirements	27 units
General Education	19 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units



DENTAL HYGIENE (DHYG)

DENTAL HYGIENE (DHYG) COURSES

55A Dental Materials 1.5 Units

General, specialty, preventive and restorative materials will be covered, with focus on components, properties, classification and manipulation of specific materials. Lab activities designed to prepare student for use of materials within the dental setting. 18 hours lecture, 36 hours laboratory.

81A Clinical Practice I 5 Units

Continuation of clinical experience in performing dental hygiene therapy with emphasis on the young child and periodontal patient; patient education in prevention and control of dental disease and emergency procedures. 270 hours clinical. **Prerequisite:** DHYG 69B and DHYG 71B **Corequisite:** DHYG 56A and DHYG 57 and DHYG 80A and DHYG 83.

EARLY CHILDHOOD DEVELOPMENT (ECD)

EARLY CHILDHOOD DEVELOPMENT (ECD) COURSE UPDATES

11 Exploring Education 3 Units

This course introduces students to the concepts and issues related to teaching diverse learners in today's contemporary schools, Pre-K, T-K, Kindergarten through the 12th grade. Topics include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary education issues, California's content standards and frameworks, and teacher performance standards. In addition to class time, the course requires a minimum of 45 hours of structured fieldwork in public school elementary classrooms that represent California's diverse student population, and includes cooperation with at least one carefully selected and campus-approved certificated classroom teacher. 36 hours lecture, 54 hours laboratory.

50 Early Childhood Principles and Practices 3 Units

Historical contexts and theoretical perspectives of developmentally appropriate practice in early care and education for children and teaching strategies in supporting physical, social, creative and intellectual development of children birth through age eight. Explores the typical roles and expectations of early childhood educators emphasizing the key role of relationships, constructive adult-child interactions. Identifies professional ethics, career pathways, and professional standards. Introduces best practices for developmentally appropriate learning environments, curriculum, and effective pedagogy for young children including how play contributes to children's learning, growth, and development. 54 hours lecture.

54 Child Health, Safety and Nutrition 3 Units

Laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in care and education settings for children birth through middle childhood. Includes the teacher's role in prevention strategies, first aid, emergency preparedness, infectious illnesses, nutrition and meal planning, integrating health safety and nutrition experiences into daily routines, overall risk management, school and family collaboration. 54 hours lecture.

56 Child Growth and Development 3 Units

Examines the progression of development in the physical, cognitive, social, and emotional domains and identifies developmental milestones for children both typical and atypical from conception through adolescence. Emphasis on interactions between biological processes and environmental factors. Students will observe children, evaluate individual differences, and analyze characteristics of development at various stages according to developmental theories. 54 hours lecture.

60 Introduction to the Young Child With Exceptional Needs 3 Units

Introduces the variations in development of infants and children with exceptional needs and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with exceptional needs, and the identification and referral process. Assessments, interventions, and learning environments for infants and children with exceptional needs. 54 hours lecture.

Prerequisite: ECD 56.

62 Child, Family and Community 3 Units

The processes of socialization focusing on development of identity and the interrelationship of family, school, and community. Examines the influence of multiple societal contexts. Explores the role of collaboration between family, community, and schools in supporting children's development, birth through adolescence. 54 hours lecture.

63 Early Childhood Curriculum 4 Units

Professional application of the principles of human growth and development, learning theories, and examples from various models of developmentally appropriate practice in the study of a play-based and inclusive curriculum. Students will plan learning experiences in all content areas, including indoor and outdoor settings, the facilitation and guidance of all children's experiences based on developmentally appropriate principles, and to support children's physical, social, emotional, cognitive, and creative needs from birth to age eight within a cultural context. 54 hours lecture, 54 hours laboratory. **Prerequisite:** ECD 50 and ECD 56.

67 Infant and Toddler Development and Caregiving 3 Units

A study of infants and toddlers from preconception to 36 months including physical, cognitive, language, social, and emotional growth and development. Applies theoretical frameworks to interpret behavior and interactions between heredity and environment. Examination of best practices, responsive caregiving techniques, environments, infant/toddler learning foundations, health, safety, and licensing requirements. 54 hours lecture. **Prerequisite:** ECD 56.



NEW, CORRECTED, AND MODIFIED COURSE LISTING, ECD

69 Child Study: Observation and Assessment 3 Units

Introduces the current and appropriate use of assessment and observation tools and strategies to document young children's development and learning. The use of findings to inform and plan learning environments and experiences are emphasized. Recording strategies, rating systems, portfolios, and multiple assessment tools will be discussed, along with strategies for collaboration with families and professionals. Effective observations that build on respecting and fostering all children's competence, striving for objectivity and individualizing programs to meet individual children's learning and developmental assessment. Direct observational experience and application of methods is required weekly. 54 hours lecture.

Prerequisite: ECD 56.

79 Teaching in a Diverse Society 3 Units

Examines the historical and current perspectives on diversity and inclusion and the impact of various systemic societal influences on children's development, learning and school experiences. Critical examination of societal and personal attitudes and beliefs, values, assumptions and biases about culture, race, language, identity, family structures, ability, socio-economic status and other issues influenced by systemic oppression. Strategies for developmentally, culturally, and linguistically appropriate anti-bias curriculum will be explored as well as approaches to promote inclusive and anti-racist classroom communities. Includes self-reflection on the influence of teachers' own culture and life experiences on teaching and interactions with children and families. Issues related to social identity, stereotypes, and bias will be explored; learn to recognize and confront barriers that interfere with one's ability to work effectively with diverse populations of children and families. Ethnic/cultural groups referenced within course from the United States of America, including African American, Asian American, Chicano/Latino, European American, Indigenous People of the Americas and Americans of Middle Eastern origin. 54 hours lecture.

87 Infant and Toddler Environments, Care, and Education 3 Units

Applies current theory and research to the care and education of infants and toddlers in group care. Examines essential policies, classroom environments, caregiving principles and practices that lead to quality care and developmentally appropriate curriculum for infants and toddlers which is culturally sensitive and supports families. 54 hours lecture. **Strongly Recommended:** ECD 67.



90 Practicum: Supervised Experience 4 Units

Practicum lab experience with young children under the supervision of an ECE/CD faculty and other qualified early education professionals where students will demonstrate developmentally appropriate early childhood program planning and teaching competencies. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning and assessment; knowledge of curriculum content areas, and reflective practice will be emphasized as student teachers design, implement and evaluate approaches, strategies, techniques, and experiences that promote positive development and learning for all young children. Includes exploration of career pathways, professional development, and teacher responsibilities. 36 hours lecture, 108 hours laboratory.

Prerequisite: ECD 50 and ECD 56 and ECD 62 and ECD 63.

91 Adaptive Curriculum for Children With Exceptional Needs 3 Units

Direct experience working with young children in special day classes or inclusive settings; application of intervention strategies and best practices of early childhood development and special education in adapting curriculum to meet the individual needs of children. Observation of the assessment process by the special education team and assisting in the implementation of the educational plan. Includes the role of the teacher as a professional working in partnership with families, collaboration with interdisciplinary teams, and cultural competence. Lab hours required in an inclusive classroom setting. 36 hours lecture, 54 hours laboratory. **Prerequisite:** ECD 60 and ECD 90.

95 Work Experience 1 - 3 Units

Supervised employment of students extending classroom-based occupational learning at an on-the-job learning station relating to the students' educational or occupational goals including paid or volunteer work experience or an internship. Cooperative effort between student, supervisor and instructor to accomplish professional work objectives, build competencies and broaden experiences in working with children in care and education settings. Course study under this section may be repeated for a maximum of 16 units for occupational or a combination of general and occupational work experience education. One unit of credit is earned for each 75 hours of paid work or 60 hours of volunteer work per semester. **Corequisite:** ECD 96.

96 Work Experience Seminar 1 Units

Provides the focal point for the coordination of the student's curriculum with college supervised employment/volunteering in the student's major field. Emphasis on building strong working relationships with supervisors, subordinates, co-workers. Issues pertaining to the modern workplace, including problems often encountered by employees in care and education settings involving ethical dilemmas and conflicts. 18 hours lecture. **Corequisite:** ECD 95.



ENGINEERING (ENGR)

Degrees

AS Engineering

Certificate of Achievement

Computational Design
Technical Design Drafting

ENGINEERING

Associate in Science

The Associate in Science degree is designed to provide the foundation for subsequent transfer to a CSU or UC Engineering program. The core courses listed below fulfill most of the lower division requirements for the majority of CSU and UC engineering majors. The Associate in Science degree, as well as putting students on the path to transfer, ensures that students develop a strong foundation in engineering, mathematics, and the sciences. Students should note that transfer-course requirements vary among universities, and between majors in the different branches of engineering. Students seeking to transfer with an engineering major are strongly advised to consult with Chabot Counseling. Counselors will assist the student with development of a Student Educational Plan (SEP) that prepares the student for transfer to the desired university in the engineering major of his/her choice. Students are also encouraged to consult the ASSIST webpage (www.assist.org) for more information on engineering transfer-course agreements between Chabot College and the CSU/UC Colleges of Engineering.

Career Opportunities

This degree qualifies you to be an engineering technician. Engineering technicians are in very high demand and job openings are increasing 5 - 10% each year. The Associate in Science degree in engineering can prepare students for careers as civil, drafting, electrical, environmental, industrial, and mechanical engineering technicians. Average annual earnings for an engineering technician in the Bay Area are \$77,000 per year. Students can also use this degree to apply for internships while pursuing a bachelor's degree in engineering and can gain experience towards their Professional Engineering Certification.

Program Learning Outcomes

1. demonstrate an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health, safety, manufacturability, and sustainability;
2. demonstrate an ability to apply knowledge of mathematics, science, and engineering.

Required Core

Course	Description	Units
CHEM 1A	General College Chemistry I	5
MTH 1	Calculus I	5
MTH 2	Calculus II	5
MTH 3	Multivariable Calculus	5
MTH 4	Elementary Differential Equations	3
PHYS 4A	General Physics I	5
PHYS 4B	General Physics II	5

List A

Complete at least 7 units.
Must complete at least one engineering course

ENGR 10	Introduction to Engineering	2
ENGR 11	Engineering Design and Analysis	2
ENGR 15	Engineered Systems and Sustainability	3
ENGR 16	Designing Information Devices and Systems I	4
ENGR 22	Engineering Design Graphics	3
ENGR 25	Computational Methods for Engineers and Scientists (same as MTH 25, PHYS 25)	3
ENGR 36	Engineering Mechanics -Statics	3
ENGR 40	Thermodynamics	3
ENGR 43	Electrical Circuits and Devices	4
ENGR 45	Materials of Engineering	4
ENGR 47	Engineering Dynamics	3
ENGR 85	Introduction to Solid Mechanics	3
CHEM 1B	General College Chemistry II	5
CSCI 14	Introduction to Structured Programming In C++	4
CSCI 15	Object-Oriented Programming Methods	4
CSCI 20	Introduction to Data Structures	4
BIOS 21C	Principles of Cell and Molecular Biology	5
MTH 6	Elementary Linear Algebra	3
PHYS 4C	General Physics III	5
PHYS 5	Modern Physics	3

Required for Major Specific G.E. Requirement.

Complete a minimum of 3 units

COMM 1	Fundamentals of Speech Communication	3
ECN 1	Principles of Microeconomics	3
ENGL 4A	Critical Thinking and Writing about Literature	4
ENGL 7A	Critical Thinking and Writing across Disciplines	4

NOTE: Transfer schools (UC and CSU) typically prefer students focus on major-specific courses and minimum transfer admission requirements, and often discourage focus on, or completion of, general education patterns (ie. IGETC). Students are advised to select AS General Educational courses that will also satisfy transfer GE and/or major requirements, when applicable.

Major Requirements	40 units
General Education	19 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

COMPUTATIONAL DESIGN

Certificate of Achievement

Students completing the Certificate of Achievement in Computational Design develop the skills for many entry level research and analytics positions, including, optimizing systems, production, manufacturing, sustainability, setting up and conducting experiments for research and development firms, and design analysis. Students will be competent in MATLAB and Simulink software as well as applying both the sciences and art of computing to design problems.

Career Opportunities

Completion of this certificate prepares students for a research assistant career with Industrial engineering, manufacturing, research, and product design firms. This certificate is especially beneficial for students applying to research apprenticeships, research & development firms, technology companies, and companies in need of employees proficient in MATLAB. This certificate gives a competitive advantage when applying to apprenticeships and entry level research positions and can increase their hourly wage earnings. Industrial engineering technicians positions are expected to grow by 12%, from 1189 to 1338 over the next five years.

Program Learning Outcomes

1. demonstrate an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health, safety, manufacturability, and sustainability;
2. demonstrate an ability to apply knowledge of mathematics, science, and engineering.

Required Courses

	Units	
CHEM 1A	General College Chemistry I	5
ENGR 25	Computational Methods for Engineers and Scientists (same as MTH 25, PHYS 25)	3
MTH 1	Calculus I	5
MTH 2	Calculus II	5
PHYS 4A	General Physics I	5
Total		23

TECHNICAL DESIGN DRAFTING

Certificate of Achievement

Students who complete this Certificate develop the technical design skills required for many Design-Drafter professional positions, including Drafting using AutoCAD, Inventor, Revvit, and/or Solidworks, building, designing, and testing prototypes, coding, problem solving, technical writing, troubleshooting, and using equipment (mills, lathes, CNC, 3D printers, etc.).

Career Opportunities

Completion of this certificate prepares students for a Design-Drafting career with Civil-Engineering, Building Design-Construction, and Electro-Mechanical Device firms. This certificate is especially beneficial for students applying for internships in manufacturing, construction, or design. According to Labor Market Information data, engineering technician positions are expected to grow from 2707 positions in 2017 to 2869 positions by 2022, an increase of 6%. Data also shows that demand for mechanical engineering technicians will also increase from 1127 to 1245 over the next five years, an increase of 10%.

Program Learning Outcomes

1. Demonstrate an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political ethical, health and safety, manufacturability, and sustainability.
2. Demonstrate an ability to apply knowledge of mathematics, science, and engineering.

Required Core

	Units	
ENGR 10	Introduction to Engineering	2
ENGR 11	Engineering Design and Analysis	2
ENGR 22	Engineering Design Graphics	3

Complete 10 units from the following

MTH 1	Calculus I	5
MTH 2	Calculus II	5
MTH 3	Multivariable Calculus	5
MTH 4	Elementary Differential Equations	3
MTH 6	Elementary Linear Algebra	3
MTH 20	Pre-Calculus Mathematics	5
MTH 21	College Algebra for BSTEM	5
MTH 22	Trigonometry with Analytic Geometry	5
MTH 36	Trigonometry	3
MTH 36S	Trigonometry with Support	4
MTH 37	Trigonometry with an Emphasis on its Geometric Foundations	5
MTH 37S	Trigonometry with an Emphasis on its Geometric Foundations with Support	5.5
MTH 55	Intermediate Algebra	5

Students who enter at a higher math level may see faculty in Engineering to request substituting higher-level math courses.

Total		17
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ENGINEERING (ENGR) COURSE UPDATES

22 Engineering Design Graphics 3 Units
 Introduction to the engineering-design process, and to technical-graphic communications tools used by engineers. Conceptual design of products. Development of spatial reasoning skills. Orthographic and axonometric projection-drawing techniques. Tolerance analysis for fabrication. Documentation of designs through engineering working-drawings. Use of 2D and 3D CAD software as a design tool. The use of CAD software is an integral part of the course. 36 hours lecture, 54 hours laboratory. **Prerequisite:** MTH 22 or MTH 36 or MTH 37.

25 Computational Methods for Engineers and Scientists 3 Units
 (See also MTH 25, PHYS 25)
 Methodology and techniques for solving engineering/science problems using numerical-analysis computer-application programs MATLAB, SimuLink, MuPad, and EXCEL. Technical computing and visualization using MATLAB software. Examples and applications from applied-mathematics, physical-mechanics, electrical circuits, biology, thermal systems, fluid systems, and other branches of science and engineering. May not receive credit if Mathematics 25 or Physics 25 has been completed. 36 hours lecture, 54 hours laboratory. **Prerequisite:** MTH 1 (completed with a grade of "C" or higher)

47 Engineering Dynamics 3 Units
 This course covers dynamics for engineering applications, where motion is involved. It includes the kinematics and dynamics of particles, systems of particles, and rigid bodies in two and three dimensions. Also included are orbital motion and satellites, vibrations, which are present in many engineering situations, Euler angles, which are necessary to completely describe the orientation of an object in space, and variable mass systems, such as rockets and jet engines. 54 hours lecture, 18 hours lecture. **Prerequisite:** ENGR 36.

ENGLISH (ENGL)

Degree

- AA-T English
- AA English (Emphasis in Literature)

Certificate of Proficiency

- Creative Writing

ENGLISH

Associate in Arts for Transfer

Correction: title update for course MCOM 20, ENGL 22, and ENGL 31

The Associate in Arts in English for Transfer (AA-T) provides major preparation in English through an introduction to composition, critical thinking, literature, creative writing and related areas of study. It is also useful preparation for other liberal arts degrees, and will offer students an enriched background towards many diverse professional fields. The intent of the AA-T is to assist students in transferring to the California State University system. California Community College students who are awarded the English AA-T degree are guaranteed admission with junior standing in the CSU system, and given priority admission consideration to their local CSU campus to a program that is deemed similar to their community college major. Completion of 60 semester units of degree-applicable courses. Minimum overall grade point average of 2.0. Minimum grade of "C" (or "P") for each course in the major. Completion of IGETC or CSU GE-Breadth.

Program Learning Outcomes

1. Critically respond to the ideas and information in academic texts
2. Independently read and understand complex academic texts

Required Core		Units
ENGL 4A	Critical Thinking and Writing about Literature	4

List A

ENGL 35	Modern and Contemporary U.S. Literature	3
ENGL 41	World Literature (17th Century to the Present)	3

List B (choose two courses)

ENGL 11A	Introduction to Creative Writing	3
ENGL 20	Studies in Shakespeare	3
ENGL 21	The Evolution of the Black Writer	3
ENGL 22	Mexican American/Latinx Literature of the U.S.	3
ENGL 25	Asian-American Literature	3
ENGL 28	Classic and Contemporary Youth Literature	3
ENGL 31	Introduction to Queer Literature	3
ENGL 32	U.S. Women's Literature	3
ENGL 45	Studies in Fiction	3
ENGL 48	The Literature of the Holocaust	3



NEW, CORRECTED, AND MODIFIED COURSE LISTING, ENGL

List C:

Select one course from List C or any course from List B not already used.

ENGL 12A	Beginning Fiction Writing	3
ENGL 13A	Beginning Craft of Writing - Poetry	3
COMM 2	Oral Interpretation of Literature	3
THTR 10	Introduction to Theater Arts	3
MCOM 20	Introduction to Journalism Reporting and News Writing	3

Elective units: CSU transferable units (only needed if major and GE units do not total 60 units)

NOTE: Grades of "C" or higher is required for major courses, IGETC courses, and CSU GE Areas A2 and B4.

Major Requirements	19 units
General Education	CSU GE 39 units IGETC (CSU) 37-39 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

ENGLISH (EMPHASIS IN LITERATURE)

Associate in Arts

Correction: title for ENGL 22 and ENGL 31 courses updated

The English Associate in Arts degree enables students to complete coursework which may be applied towards a bachelor's degree in English. In addition, this degree is useful preparation for other liberal arts degrees, and can offer an enriched background towards professional preparation in fields from education to law. All of the courses for the degree transfer to universities and colleges.

Career Opportunities

English majors go into a variety of fields, including law, education, publishing, business, government, media relations, entertainment, counseling, journalism, technical writing, nonprofit, development and fundraising, and many more.

Program Learning Outcomes

1. demonstrate an ability to read and understand complex academic texts;
2. demonstrate a critical response to the ideas and information in academic texts.

Required Core

Units

ENGL 4A	Critical Thinking and Writing about Literature	4
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List A: Select four courses (12 units)

ENGL 20	Studies in Shakespeare	3
ENGL 21	The Evolution of the Black Writer	3
ENGL 22	Mexican American/Latinx Literature of the U.S.	3
ENGL 25	Asian-American Literature	3
ENGL 28	Classic and Contemporary Youth Literature	3
ENGL 31	Introduction to Queer Literature	3
ENGL 32	U.S. Women's Literature	3
ENGL 35	Modern and Contemporary U.S. Literature	3
ENGL 41	World Literature (17th Century to the Present)	3
ENGL 45	Studies in Fiction	3
ENGL 48	The Literature of the Holocaust	3

List B

Select one (3-4 units) Any additional course from the list above, or:

ENGL 11A	Introduction to Creative Writing	3
ENGL 12A	Beginning Fiction Writing	3
ENGL 13A	Beginning Craft of Writing - Poetry	3
SERV 85A	Learning in Action: Beginning	2-3
ENGL 7A	Critical Thinking and Writing across Disciplines	4

Major Requirements	19-20 units
General Education	25 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

CREATIVE WRITING

Certificate of Proficiency

The Creative Writing certificate allows students to focus on developing their creative writing skills while exposing them to high-quality creative work by professional writers.

Program Learning Outcomes

1. produce a body of quality creative work.
2. develop a critical response to the creative writings of others.

Required Core (choose three courses)

Units

ENGL 11A	Introduction to Creative Writing	3
ENGL 12A	Beginning Fiction Writing	3
ENGL 13A	Beginning Craft of Writing - Poetry	3
ENGL 11B	Intermediate Creative Writing	3
ENGL 12B	Intermediate Fiction Writing	3
ENGL 13B	Intermediate Craft of Writing - Poetry	3



List A (choose two courses)

ENGL 20	Studies in Shakespeare	3
ENGL 21	The Evolution of the Black Writer	3
ENGL 22	Mexican American/Latinx Literature of the U.S.	3
ENGL 25	Asian-American Literature	3
ENGL 28	Classic and Contemporary Youth Literature	3
ENGL 31	Introduction to Queer Literature	3
ENGL 32	U.S. Women's Literature	3
ENGL 35	Modern and Contemporary U.S. Literature	3
ENGL 41	World Literature (17th Century to the Present)	3
ENGL 45	Studies in Fiction	3
ENGL 48	The Literature of the Holocaust	3
THTR 16A	Introduction to Dramatic Writing	3

Total **15**

ETHNIC STUDIES (ES)

Degrees

AA-T	Social Justice: Chicano Studies
AA-T	Social Justice: Ethnic Studies
AA	Ethnic Studies

SOCIAL JUSTICE: CHICANO STUDIES

Associate in Arts for Transfer

Correction: ENG 22, ES 52, ES 53, HIS 52, HIS 53 course title update

The AA-T in Social Justice: Chicano Studies is an interdisciplinary program of study, focusing on the intersectional analysis of the experiences and point of views of the diverse Chicanx/Latinx community. A degree in Chicano Studies provides students with the comprehension abilities and critical thinking skills related to the specific needs of the community. Moreover this field of study cultivates a skill set that is necessary to understand and engage with a complex set of social, political, and economic systems that often times are characterized by institutionalized discrimination. Students wishing to pursue the Associate in Arts for Transfer in Social Justice: Chicano Studies must complete 60 semester units eligible for transfer to the California State University, including either: The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements, and a minimum of 18 units of major coursework in Social Justice: Chicano Studies, as detailed below. Students must maintain a minimum 2.0 GPA, including grades of C or higher in each course taken to fulfill the major.

Program Learning Outcomes

1. Demonstrate an understanding of the diversity within the Chicanx community;
2. Analyze issues stemming from social, economic, and political systems characterized by institutional and structural discrimination;
3. Examine solutions toward social change, equity, and justice.

ENGLISH AS A SECOND LANGUAGE (ESL)

ENGLISH AS A SECOND LANGUAGE (ESL) COURSE CORRECTIONS

242B Intermediate Listening and Speaking **72 Hours**

Correction: prerequisites - ESL 110A or ESL 240A or ESL 242A or appropriate skill level demonstrated through ESL assessment process.

This is a noncredit course in ESL Listening and Speaking at the Intermediate Level. Students will gain listening comprehension skills, oral fluency, study skills, and familiarity with Chabot College certificates, degrees and services. This course is free and may be repeated until mastery in the skill is met. Recommendation to take the course concurrently with ESL 110B. This course is part of a Certificate of Completion. Available Certificates can be found in the Chabot College Catalog. **Prerequisite:** ESL 110A or ESL 240A or ESL 242A or appropriate skill level demonstrated through ESL assessment process.



NEW, CORRECTED, AND MODIFIED COURSE LISTING, ES

Required Core

		Units
ES 1	Introduction to Ethnic Studies	3
ES 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies (same as SOCI 7)	3
SOCI 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies (same as ES 7)	3
SOCI 6	Introduction to Gender	3
ES 53	United States History from a Chicano Perspective II (same as HIS 53)	3
HIS 53	United States History from a Chicano Perspective II (same as ES 53)	3

Courses

Select 3 courses from at least 2 areas (9 units).

Area 1: History:

ES 52	United States History from a Chicano Perspective I (same as HIS 52)	3
HIS 52	United States History from a Chicano Perspective I (same as ES 52)	3

Area 2: Arts and Humanities:

ENGL 22	Mexican American/Latinx Literature of the U.S.	3
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Area 3: Social Science:

ES 2	Contemporary Ethnic Minority Families in the U.S.	3
ES 3	Introduction to Muslim-American Studies	3
ES 4	Intro to Latinx Studies	3
ES 5	Critiquing Race and Gender in Popular Culture	3
ES 6	Intro to Pacific Islands and Oceania Studies	3
ES 10	Introduction to Asian American Studies (same as SOCI 10)	3
SOCI 10	Introduction to Asian American Studies (same as ES 10)	3
ES 25	American Indian History and Culture (same as HIS 25)	3
HIS 25	American Indian History and Culture (same as ES 25)	3
HIS 32	Colonial Latin America	3
HIS 33	Modern Latin America	3

ES 42	Asian American History: 18th Century to 1945 (same as HIS 42)	3
HIS 42	Asian American History: 18th Century to 1945 (same as ES 42)	3
ES 43	Asian American History: Early 20th Century - 21st Century (same as HIS 43)	3
HIS 43	Asian American History: Early 20th Century - 21st Century (same as ES 43)	3
ES 62	The African-American Experience in U.S. History Through the Civil War (same as HIS 62)	3
HIS 62	The African-American Experience in U.S. History Through the Civil War (same as ES 62)	3
ES 63	The African American Experience in U.S. History From Reconstruction (same as HIS 63)	3
HIS 63	The African American Experience in U.S. History From Reconstruction (same as ES 63)	3

NOTE: Grades of "C" or higher is required for major courses, IGETC courses, and CSU GE Areas A2 and B4.

Major Requirements	18 units
General Education	CSU GE 39 units IGETC (CSU) 37 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units



SOCIAL JUSTICE: ETHNIC STUDIES

Associate in Arts for Transfer

Correction: ENG 22, ES 52, ES 53, HIS 52, HIS 53 course title update

The Associate in Arts for Transfer in Social Justice: Ethnic Studies degree is designed to prepare students who wish to pursue a Bachelor’s degree in the field of Ethnic Studies at the CSUs. Some related majors include: African American Studies, Africana Studies, American Indian Studies, Asian American Studies, Chicana/Chicano Studies, Ethnic Studies, Gender Studies, Latin American Studies, Mexican American Studies, and Native American Studies. Ethnic Studies is an interdisciplinary and unique scholarly field that centralizes and redefines the experiences of people of color in the United States, using an intersectional analysis. Born out of the people power movements of various communities of color in the 1960s and the efforts of the third world Liberation Front, Ethnic Studies emphasizes on the praxis of resistance and liberation in order to eliminate all forms of injustice and oppression, especially along race, ethnicity, class, gender, and sexuality. Courses provide a critical racial perspective with a focus on the history, literature, and cultures of African Americans, Arab Americans, Asian Americans, Chicana/Latinx, Filipinx, Native Americans, and Pacific Islander Americans. Students wishing to pursue the Associate in Arts for Transfer in Social Justice: Ethnic Studies must complete 60 semester units eligible for transfer to the California State University, including either: The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements, and a minimum of 18 units of major coursework in Social Justice Studies: Ethnic Studies, as detailed below. Students must maintain a minimum 2.0 GPA, including grades of C or higher in each course taken to fulfill the major. California Community College students who are awarded the Associate in Arts for Transfer in Social Justice: Ethnic Studies are guaranteed admission with junior standing somewhere in the CSU system in a major deemed similar to their Associate in Art for Transfer degree, as well as a .01 grade point average bump increase to a similar major at a CSU campus (for admissions purposes only). Students are strongly encouraged to meet with a counselor to review their options for transfer and to develop an educational plan that best meets their goals.

Program Learning Outcomes

1. Demonstrate knowledge of the histories and cultures of diverse racial/ethnic groups;
2. understand how major institutions, such as family, media, education, and government influence the experiences and opportunities of racial/ethnic groups;
3. analyze social issues and examine solutions toward social change, equality, and justice.

Required Core

Units

Same courses cannot be repeated in more than one area.

ES 1	Introduction to Ethnic Studies	3
ES 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies (same as SOCI 7)	3
SOCI 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies (same as ES 7)	3
SOCI 6	Introduction to Gender	3

Major Preparation Core Courses (choose one course)

Same courses cannot be repeated in more than one area.

ES 4	Intro to Latinx Studies	3
ES 10	Introduction to Asian American Studies (same as SOCI 10)	3
SOCI 10	Introduction to Asian American Studies (same as ES 10)	3
ES 25	American Indian History and Culture (same as HIS 25)	3
HIS 25	American Indian History and Culture (same as ES 25)	3
ES 42	Asian American History: 18th Century to 1945 (same as HIS 42)	3
HIS 42	Asian American History: 18th Century to 1945 (same as ES 42)	3
ES 43	Asian American History: Early 20th Century - 21st Century (same as HIS 43)	3
HIS 43	Asian American History: Early 20th Century - 21st Century (same as ES 43)	3



NEW, CORRECTED, AND MODIFIED COURSE LISTING, ES

ES 52	United States History from a Chicano Perspective I (same as HIS 52)	3
	or	
HIS 52	United States History from a Chicano Perspective I (same as ES 52)	3
ES 53	United States History from a Chicano Perspective II (same as HIS 53)	3
	or	
HIS 53	United States History from a Chicano Perspective II (same as ES 53)	3
ES 62	The African-American Experience in U.S. History Through the Civil War (same as HIS 62)	3
	or	
HIS 62	The African-American Experience in U.S. History Through the Civil War (same as ES 62)	3
ES 63	The African American Experience in U.S. History From Reconstruction (same as HIS 63)	3
	or	
HIS 63	The African American Experience in U.S. History From Reconstruction (same as ES 63)	3
ENGL 21	The Evolution of the Black Writer	3
ENGL 22	Mexican American/Latinx Literature of the U.S.	3
ENGL 25	Asian-American Literature	3

ES 43	Asian American History: Early 20th Century - 21st Century (same as HIS 43)	3
	or	
HIS 43	Asian American History: Early 20th Century - 21st Century (same as ES 43)	3
ES 52	United States History from a Chicano Perspective I (same as HIS 52)	3
	or	
HIS 52	United States History from a Chicano Perspective I (same as ES 52)	3
ES 53	United States History from a Chicano Perspective II (same as HIS 53)	3
	or	
HIS 53	United States History from a Chicano Perspective II (same as ES 53)	3
ES 62	The African-American Experience in U.S. History Through the Civil War (same as HIS 62)	3
	or	
HIS 62	The African-American Experience in U.S. History Through the Civil War (same as ES 62)	3
ES 63	The African American Experience in U.S. History From Reconstruction (same as HIS 63)	3
	or	
HIS 63	The African American Experience in U.S. History From Reconstruction (same as ES 63)	3

List A

Select 3 courses from at least 2 areas (9 units).

Area 1: History or Government

Same courses cannot be repeated in more than one area.

ES 25	American Indian History and Culture (same as HIS 25)	3
	or	
HIS 25	American Indian History and Culture (same as ES 25)	3
HIS 32	Colonial Latin America	3
HIS 33	Modern Latin America	3
ES 42	Asian American History: 18th Century to 1945 (same as HIS 42)	3
	or	
HIS 42	Asian American History: 18th Century to 1945 (same as ES 42)	3

Area 2: Arts and Humanities

Same courses cannot be repeated in more than one area.

ES 5	Critiquing Race and Gender in Popular Culture	3
ENGL 21	The Evolution of the Black Writer	3
ENGL 22	Mexican American/Latinx Literature of the U.S.	3
ENGL 25	Asian-American Literature	3



Area 3: Social Science

Same courses cannot be repeated in more than one area.

ES 2	Contemporary Ethnic Minority Families in the U.S.	3
ES 3	Introduction to Muslim-American Studies	3
ES 4	Intro to Latinx Studies	3
ES 5	Critiquing Race and Gender in Popular Culture	3
ES 6	Intro to Pacific Islands and Oceania Studies	3
ES 10	Introduction to Asian American Studies (same as SOCI 10)	3
	or	
SOCI 10	Introduction to Asian American Studies (same as ES 10)	3
ANTH 5	Cultures of the U.S. in Global Perspective	3
ANTH 8	Native American Cultures	3
COMM 12	Gender, Sexual Identity, and Communication	3
PSCN 4	Multiethnic/Cultural Communication	3
PSCN 13	Multicultural Issues in Contemporary America	3

NOTE: Grades of "C" or higher is required for major courses, IGETC courses, and CSU GE Areas A2 and B4.

Major Requirements	18 units
General Education	CSU GE 39 units IGETC (CSU) 37 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

ETHNIC STUDIES

Associate in Arts

Corrections: SOCI 3, ENGL 22, ES 52, HIS 52 and ES 53 and HIS 53 courses title updates

Ethnic Studies is an interdisciplinary and unique scholarly field that centralizes and redefines the experiences of people of color in the United States, using an intersectional analysis. Born out of the people power movements of various communities of color in the 1960s and the efforts of the third world Liberation Front, Ethnic Studies emphasizes on the praxis of resistance and liberation in order to eliminate all forms of injustice and oppression, especially along race, ethnicity, class, gender, and sexuality. Courses provide a critical racial perspective with a focus on the history, literature, and cultures of African Americans, Arab Americans, Asian Americans, Chicano/Latinx, Native Americans, and Pacific Islander Americans.

Career Opportunities

A degree in Ethnic Studies can lead toward any of the following career pathways, including: Education, Law, Social Work, Immigrant Rights, Civil Rights, Journalism, Public Health, Community and Union Organizing, Non-profit/social justice work, Government, Public Policy, Community Development/Urban Planning, International Relations

Program Learning Outcomes

1. Demonstrate knowledge of diverse racial/ethnic groups and their cultures.
2. Understanding how major institutions, such as family, media, education, and government influence the experiences and opportunities of racial/ethnic groups.

Core Courses

ES 1	Introduction to Ethnic Studies	3
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Ethnic/Racial Groups - Select 4 courses (12 units) from the following. At least three different racial or ethnic groups must be studied.

Group A: Latinx/Latin American

ENGL 22	Mexican American/Latinx Literature of the U.S.	3
ES 4	Intro to Latinx Studies	3
HIS 32	Colonial Latin America	3
HIS 33	Modern Latin America	3

Group B: Mexican American

ENGL 22	Mexican American/Latinx Literature of the U.S.	3
ES 52	United States History from a Chicano Perspective I (same as HIS 52)	3
	or	
HIS 52	United States History from a Chicano Perspective I (same as ES 52)	3
ES 53	United States History from a Chicano Perspective II (same as HIS 53)	3
	or	
HIS 53	United States History from a Chicano Perspective II (same as ES 53)	3

Group C: African American

ENGL 21	The Evolution of the Black Writer	3
ES 62	The African-American Experience in U.S. History Through the Civil War (same as HIS 62)	3
	or	
HIS 62	The African-American Experience in U.S. History Through the Civil War (same as ES 62)	3
ES 63	The African American Experience in U.S. History From Reconstruction (same as HIS 63)	3
	or	
HIS 63	The African American Experience in U.S. History From Reconstruction (same as ES 63)	3



NEW, CORRECTED, AND MODIFIED COURSE LISTING, ES, HUMN

Group D: Asian American

ENGL 25	Asian-American Literature	3
ES 10	Introduction to Asian American Studies (same as SOCI 10) or	3
SOCI 10	Introduction to Asian American Studies (same as ES 10)	3
ES 42	Asian American History: 18th Century to 1945 (same as HIS 42) or	3
HIS 42	Asian American History: 18th Century to 1945 (same as ES 42)	3
ES 43	Asian American History: Early 20th Century - 21st Century (same as HIS 43) or	3
HIS 43	Asian American History: Early 20th Century - 21st Century (same as ES 43)	3

Group E: American Indian/Native American

ANTH 8	Native American Cultures	3
ES 25	American Indian History and Culture (same as HIS 25) or	3
HIS 25	American Indian History and Culture (same as ES 25)	3

Group F: Muslim American

ES 3	Introduction to Muslim-American Studies	3
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Group G: Pacific Islander

ES 6	Intro to Pacific Islands and Oceania Studies	3
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Comparative Courses (choose one course)

ANTH 5	Cultures of the U.S. in Global Perspective	3
COMM 12	Gender, Sexual Identity, and Communication	3
ES 2	Contemporary Ethnic Minority Families in the U.S.	3
ES 5	Critiquing Race and Gender in Popular Culture	3
ES 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies (same as SOCI 7) or	3
SOCI 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies (same as ES 7)	3
PSCN 4	Multiethnic/Cultural Communication	3
PSCN 13	Multicultural Issues in Contemporary America	3
SOCI 3	Introduction to Race and Ethnicity	3
SOCI 6	Introduction to Gender	3

Major Requirements	18 units
General Education	25 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

HUMANITIES (HUMN)

Degrees

AA Humanities

HUMANITIES

Associate in Arts

Correction: PHIL 60 course title update

The humanities seek to render an integrative and critical examination of the human achievements in art, literature, philosophy and music. This approach will broaden and enrich the students' appreciation of human values derived from the creative forces as expressed in the arts. Courses offered in this curriculum meet general education and transfer requirements and may be applied to a major in humanities for an Associate in Arts degree.

Program Learning Outcomes

1. For oral and/or written form, discuss both objective and subjective responses to a work of art (literary, performing, or fine).
2. For oral and/or written form, differentiate between the arts as personal expression and the arts as socially transformative.



Freshman Year

HIS 1	History of Western Civilization to 1600	3
HUMN 50	The Artful Life	3
PHIL 50	Introduction to Philosophy	3
RELS 50	Religions of the World	3

Sophomore Year

HIS 2	History of Western Civilization Since 1600	3
HUMN 65	The American Style or	3
HUMN 68	World Mythology or	3
HUMN 60	Creativity and the Community	3
PHIL 60	Ethics or	3
PHIL 65	Introduction to Philosophy: Theory of Knowledge or	3
PHIL 70	Introduction to Political and Social Philosophy	3

Option (Choose 6 units from at least 2 different disciplines)

ARTH 4	Art History-Ancient to Gothic	3
ARTH 5	Art History - Renaissance to Modern-Day	3
MUSL 1	Introduction to Music	3
MUSL 3	World Music	3
THTR 10	Introduction to Theater Arts	3
THTR 14	American Cultures in Theater	3

Major Requirements	27 units
General Education	25 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

INTERIOR DESIGN (ID)

INTERIOR DESIGN (ID) COURSE UPDATES

48 Drafting for Interior Design 3 Units

This course will introduce basic drafting techniques as related to architectural working drawings for interior design. Emphasis is on lettering, measuring techniques, scale problems, use of architectural and NKBA graphic standards, dimensioning, plans, elevations, sections, Architectural lettering and perspective drawings. 36 hours lecture, 72 hours laboratory.

49 Digital Tools for Design and Visual Communication 3 Units

(Formerly a 4 units course)
(See also ARCH 3)
Introduction to digital tools with computer-aided design drafting. Ability to effectively use basic design principles in two dimensions. Topics include command basics including drawing entity creation and modification, industry layering standards, text and dimensioning systems appropriate to architecture, creating symbol libraries, external reference techniques, model and paper space commands, and plotting techniques. May not receive credit if Arch 3 or ARCH 68 has been completed.

50 Residential Space Planning 3 Units

This course will go through basic techniques for drafting kits in planning space and selecting a home for interior designers. Things to consider when planning a space in a home: a support system for private and group living spaces, functional elements for interior spaces, color in interior walls, relaxation area, entertainment space, and dining area. There are also factors to consider when selecting a home: location, climate, aesthetics and economy. 36 hours lecture, 54 hours laboratory. **Strongly Recommended:** ID 48.

INTERNATIONAL STUDIES (INST)

Degrees

AA International Studies

INTERNATIONAL STUDIES

Associate in Arts

This degree provides an understanding of the international dimensions of a variety of inquiry areas including politics, economics, and culture. The degree also offers students the opportunity to develop foreign language skills to assist in developing a deeper understanding of global societies.

Program Learning Outcomes

1. Demonstrate a strong comprehension of globalization and international politics.
2. Engage actively with international affairs current events.
3. Link international developments to national politics, economics, and the everyday activities of individuals.

Required Core

		Units
POSC 30	International Relations	3
GEO 2	Cultural Geography or	3
ANTH 3	Social and Cultural Anthropology	3
ECN 1	Principles of Microeconomics or	3
ECN 2	Principles of Macroeconomics	3



NEW, CORRECTED, AND MODIFIED COURSE LISTING, INST, MTT

List A (choose 6 units from two different disciplines)

BUS 40	International Business	3
COMM 6	Introduction to Performance Studies	3
COMM 11	Intercultural Communication.	3
ENGL 48	The Literature of the Holocaust	3
GEO 3	Economic Geography	3
GEO 5	World Regional Geography	3
GEO 10	Global Environmental Problems.	3
HIS 4	World History: 1500 to the Present	3
POSC	20 Comparative Politics	3
RELS 50	Religions of the World	3

List B (choose 8-10 units)

One entry-level foreign language course may be waived with completion of a higher level language course. See the World Languages Department for the Prerequisite Challenge process.

CHIN 1A	Beginning Chinese	5
CHIN 1B	Elementary Chinese	5
CHIN 2A	Intermediate Chinese	4
CHIN 2B	Advanced Chinese	4
FRNC 1A	Beginning French	5
FRNC 1B	Elementary French	5
FRNC 2A	Intermediate French	4
FRNC 2B	Advanced French	4
JAPN 1A	Beginning Japanese	5
JAPN 1B	Elementary Japanese	5
JAPN 2A	Intermediate Japanese	4
JAPN 2B	Advanced Japanese	4
SPA 1A	Beginning Spanish	5
SPA 1B	Elementary Spanish 1	5
SPA 2A	Intermediate Spanish	4
SPA 2B	Advanced Spanish	4

Major Requirements	23-25 units
General Education	25 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

MACHINE TOOL TECHNOLOGY (MTT)

MACHINE TOOL TECHNOLOGY (MTT) COURSE CORRECTIONS

81C Mastercam **3 Units**
(See also APPM 9781C)

Correction: unit to hour breakdown - 36 hours lecture, 54 hours laboratory instead of 18 hours lecture, 108 hours laboratory.

The fundamentals of the latest version of Mastercam CAD/CAM manufacturing software as it pertains to machine shop use and requirements. Instruction includes theory and laboratory practice on the use of the Mastercam software environment to create 2 1/2 and 3 axis, lathe, and wire edm tool paths. Instruction includes part drawing, dimensioning, importing electronic files (DXF, IGES, Sldprt, and Dwg), lathe and mill tool path construction, geometry and tool path transformations, tool path editing, and post processors. May not receive credit if APPM 9781C has been completed successfully. 36 hours lecture, 54 hours laboratory. **Strongly Recommended:** MTT 71A or APPM 9771A.

82 Advanced CAD/ CAM **3 Units**
New course

Build upon previous CAD and CAM experience to create projects using advanced toolpaths and 3D models, assemblies, and drawings. Design fixturing for speed and ease of operation. Experiment with cutters and inserts to optimize quality, precision, and cycle time. Coordinate with industry partners to meet the challenges of the machining field in real time. Learn advanced Mastercam multiaxis toolpaths for vertical milling machines and advanced Solidworks skills working with solids, surfaces, multibodies, and configurations. Gain specialized skills in tooling, higher machine functions, fixture design, work holding techniques and toolpath applications with multiple rotary axes. 18 hours lecture, 108 hours laboratory. **Prerequisite:** MTT 71A, MTT 81C, MTT 81A, **Strongly Recommended:** MTT 71B, MTT 71C.



MASS COMMUNICATION (MCOM)

Degrees

AA Mass Communications

MASS COMMUNICATIONS

Associate in Arts

Correction: MCOM 20 course title update

In pursuing this degree, students will gain knowledge and hands-on experience in radio, television, print and online journalism. Students who successfully complete the program will be able to use their knowledge and experience or seek job entry in one of the media fields.

Career Opportunities

In our rapidly changing society and economy, the skills associated with communications-based learning is recognized by many employers as mandatory for market success. More and more businesses and occupations prefer to hire employees who possess strong communication skills. While many media careers require at least a bachelor's degree, an associate's degree in Mass Communications opens the door to some entry-level careers. A Mass Communications major prepares students to go into a variety of fields, including careers in: advertising, broadcasting, camera operator, content developer, copy-editor, corporate communications, director, DJ, editor, journalist, media relations, news producer, online media, photographer, production design, production management, promoter, public relations, radio/TV professional, reporter, videographer and writer. If you want to finish your degree quickly and start working, an associate's degree in Mass Communications can be a good way to begin your career. In some cases, you can use the credits you earn for your associate's degree in Mass Communications to transfer to a four-year school and earn a bachelor's degree, opening up more career options.

Program Learning Outcomes

1. demonstrate knowledge of the history, processes, and structure of a variety of media, including the ability to exercise critical judgment in the evaluation of media productions.
2. demonstrate understanding of ethical mass media practices, including standards, conventions, and principles.

Required Core

		Units
MCOM 20	Introduction to Journalism Reporting and News Writing	3
MCOM 40	Introduction to Broadcasting	3
MCOM 41	Introduction to Mass Communications	3
MCOM 50	Radio Studio Techniques	3
MCOM 60	Television Studio Techniques I	3
MCOM 21	Newspaper Production I	3
MCOM 42	Writing for Broadcasting	3
MCOM 43	Advertising Sales & Media Management	3
MCOM 44	Radio & Television Announcing	3

List A (choose one course)

MCOM 22	Newspaper Production II	3
MCOM 56	Introduction to KCRH Radio Experience	4
MCOM 61	Television Studio Techniques II	3

Major Requirements	30-31 units
General Education	25 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

MATHEMATICS (MTH)

MATHEMATICS (MTH) COURSE UPDATES

1 Calculus I 5 Units

This course is the first in the three-course calculus sequence intended for majors in math, engineering, and physical sciences. The course covers elements of analytic geometry, derivatives, limits and continuity, differentiation of algebraic and trigonometric functions, and the definite integral. Application to the sciences are also covered. 90 hours lecture. **Prerequisite:** MTH 20 or MTH 22 or both College Algebra (MTH 21 or MTH 31 or MTH 31S) and Trigonometry (MTH 36 or MTH 36S or MTH 37) or an appropriate skill level demonstrated through the mathematics assessment process.

22 Trigonometry with Analytic Geometry 5 Units

The study of trigonometric functions, their inverses and their graphs, identities and proofs related to trigonometric expressions, trigonometric equations, solving right triangles, solving triangles using the Law of Cosines and the Law of Sines, polar coordinates, and introduction to vectors. 90 hours lecture. **Prerequisite:** MTH 21 or MTH 31 or MTH 31S or an appropriate skill level demonstrated through the Mathematics Assessment Process.



NEW, CORRECTED, AND MODIFIED COURSE LISTING, MTH, NURS

25 Computational Methods for Engineers and Scientists 3 Units

(See also ENGR 25, PHYS 25)

Methodology and techniques for solving engineering/science problems using numerical-analysis computer-application programs MATLAB, SimuLink, MuPad, and EXCEL. Technical computing and visualization using MATLAB software. Examples and applications from applied-mathematics, physical-mechanics, electrical circuits, biology, thermal systems, fluid systems, and other branches of science and engineering. May not receive credit if ENGR 25 or PHYS 25 has been completed. 36 hours lecture, 54 hours laboratory. **Prerequisite:** MTH 1 (completed with a grade of "C" or higher)

44 Mathematics for Democracy 3 Units

An introductory study of the mathematics at the core of the political processes. Topics from statistics include describing data, measures of center and variation, normal distribution, sampling, and polling. Other topics include analysis of various voting methods, analysis of apportionment, the geometry of compactness, redistricting, and gerrymandering. This course does not meet the statistics requirement of some majors (e.g., Psychology, Sociology, Economics, and Business). 54 hours lecture, 18 hours laboratory. **Prerequisite:** MTH 55 or MTH 53 or equivalent or MTH 53B or appropriate placement through the Mathematics Placement process. **Strongly Recommended:** POSC 1 or ES 1 or concurrent or prior enrollment in any introductory course in the social sciences.

NURSING (NURS)

Degrees

AS	LVN-RN
AS	Nursing

LVN-RN

Associate in Science

The Nursing Program is approved by the California Board of Registered Nursing. Upon completion of the major, the graduate is eligible to take the Registered Nursing Licensing Examination (NCLEX-RN). LVN students can enter into the second year of the Nursing Program on a space available basis. The student may opt for one of the following paths: A.S. in Nursing, non-degree, or 30 Unit Non- Degree option. The program prepares graduates who can contribute to the advancement of nursing science and influence changes in a variety of settings within the health care system. The graduate possesses a repertoire of knowledge, skills, and attributes that serve as the foundation for safe, competent practice and lifelong learning. SPECIAL APPLICATION REQUIRED.

Career Opportunities

Based on the Labor Market Research data from August 2022, there appears to be an "undersupply" of Registered Nursing workers in the Bay Region compared to the demand for this occupation. Job outlook for RN's is very promising. Based on the data included in LMI report, there is a large labor market gap in the Bay region with 5,027 annual openings for the Registered Nursing occupational cluster and 3,718 annual (3-year average) awards for an annual undersupply of 1,309 students.

Program Learning Outcomes

1. Incorporate the core of knowledge unique to the nursing profession in the delivery of health care in acute, chronic, or community health settings.
2. Utilize the nursing process to provide care for clients, families and significant others with diverse health needs and practices.
3. Practice within the profession's ethical and legal framework.
4. Use critical thinking skills in decisions related to managing care for groups of clients.
5. Respond to the demands of rapidly changing information technology by incorporating computer literacy in health care delivery and utilizing the internet for research.

Professional Prerequisites For The As In Lvn-Rn

Student must complete the following: An Advanced Standing Application; validate previous nursing knowledge with assessment exams and have a minimum of 500 hours of work experience in direct patient care. This can be in a Skilled Nursing Facility or Hospital environment within the last 18 months. Admission is on a space-available basis into the second year of the nursing program.

To progress and graduate from the Nursing Program, students must earn a minimum grade of "C" in each nursing course. Graduates of this program receive an Associate in Science degree in Nursing. Note: The Board of Registered Nursing requirements supersede catalog rights for graduation.

Program Prerequisites		Units
BIOS 42	General Human Anatomy	5
BIOS 43	Human Physiology	5
BIOS 44	Microbiology	5

There is a 7-year recency requirement (except for the 30 unit option path) for the science prerequisite courses and a minimum of 2.5 GPA. Science courses must have a lab component and be 4 semester or 5 quarter units.

COMM 1	Fundamentals of Speech Communication	3
	or	
COMM 10	Interpersonal Communication	3
ENGL 1	Critical Reading and Composition	4
PSY 1	General Psychology	3
SOCI 1	Principles of Sociology	3



Required Courses For Lvn-Rn (after advanced standing application submitted):

NURS 70	LVN-RN Transition	1.5
NURS 70L	Clinical Skills Practice and Assessment Lab	0.5
NURS 84	Prescriptive Clinical Nursing Skills Practice	0.5

Student must take benchmark exams to validate competency in the following: pediatrics, maternity, pharmacology and fundamentals. Each exam must be passed with a threshold score established by Kaplan. If unable to pass any exam after 2 attempts the student may take the following theory courses: NURS81 Maternity, NURS82 Pediatrics, and/or NURS64 Pharmacology. If the student fails the Fundamentals exam the student may not continue in this pathway and may apply as a generic student.

Nursing Program Courses For Admitted Students

NURS 53	Mental Health Nursing	4.5
NURS 60B	Adult Health II	6
NURS 60C	Adult Health III	3.5
NURS 88	Pathophysiology	3

Required Major Specific G.E. Requirement (Choose a minimum of 3 units from the following)

For specific GE courses refer to catalog section of A.S. Graduation Requirements. Students with a BA/BS degree or higher from US regionally accredited colleges or universities are exempt from Chabot GE/Graduation requirements.

BIOS 41	Fundamentals of Biology for Health Sciences	4
BIOS 42	General Human Anatomy	5
BIOS 43	Human Physiology	5
BIOS 44	Microbiology	5
CHEM 30A	Introductory and Applied Chemistry I	4
ENGL 4A	Critical Thinking and Writing about Literature	4
ENGL 7A	Critical Thinking and Writing across Disciplines	4
PSY 12	Lifespan Psychology	3

Courses Needed to Continue for a BSN

MTH 43	Introduction to Probability and Statistics	4
	or	
PSY 5	Introductory Statistics for the Behavioral and Social Sciences	4

Major Requirements	19.5 units
General Education	19 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

NURSING

Associate in Science

The Nursing Program is approved by the California Board of Registered Nursing. Upon completion of the major, the graduate is eligible to take the Registered Nursing Licensing Examination (NCLEX-RN). The program prepares graduates who can contribute to the advancement of nursing science and influence changes in a variety of settings within the health care system. The graduate possesses a repertoire of knowledge, skills, and attributes that serve as the foundation for safe, competent practice and lifelong learning. SPECIAL APPLICATION REQUIRED

Career Opportunities

Based on the Labor Market Research data from May 2019 there is a projected annual gap of about 3,929 students in the Bay region. Job outlook for RN's is very promising. Some students must look outside the Bay Area to more rural cities for employment. Once they have at least one year experience it is easier to gain employment in the Bay Area. As a Registered Nurse you can work in the following areas: Intensive Care Unit (ICU), hospital unit, Oncology, Medical/Surgical unit, Operating Room, Case Manager, Home Health, Emergency Room, Pediatrics, Labor and Delivery, Psychiatric unit or be a traveling nurse.

Program Learning Outcomes

1. Incorporate the core of knowledge unique to the nursing profession in the delivery of health care in acute, chronic, or community health settings.
2. Utilize the nursing process to provide care for clients, families and significant others with diverse health needs and practices.
3. Practice within the profession's ethical and legal framework.
4. Use critical thinking skills in decisions related to managing care for groups of clients.
5. Respond to the demands of rapidly changing information technology by incorporating computer literacy in health care delivery and utilizing the internet for research.

Program Prerequisites

Additional Nursing Program Information: Graduates of this program receive an Associate in Science degree in Nursing. Note: The Board of Registered Nursing requirements supersede catalog rights for graduation.

BIOS 42	General Human Anatomy	5
BIOS 43	Human Physiology	5
BIOS 44	Microbiology	5

There is a 7 year recency requirement for the science prerequisite courses and a minimum of 2.5 GPA. Science courses must have a lab component and must be a minimum of 4 semester or 5 quarter units.

SOCI 1	Principles of Sociology	3
PSY 1	General Psychology	3

COMM 1	Fundamentals of Speech Communication or	3
COMM 10	Interpersonal Communication	3

ENGL 1	Critical Reading and Composition	4
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Nursing Program Courses - Year One

NURS 55	Fundamentals of Nursing Practice	8.5
NURS 51	Maternity Nursing	4.5
NURS 52	Pediatric Nursing	4.5

To progress and graduate from the Nursing Program, students must earn a minimum grade of "C" in each nursing course.

Nursing Program Courses - Year Two

NURS 60A	Adult Health I	4.5
NURS 53	Mental Health Nursing	4.5
NURS 60B	Adult Health II	6
NURS 60C	Adult Health III	3.5

Required Major Specific G.E. Requirement (Choose a minimum of 3 units from the following)

For specific GE courses refer to catalog section of A.S. Graduation Requirements. Students with a BA/BS degree or higher from US regionally accredited colleges or universities are exempt from Chabot GE/Graduation requirements.

BIOS 41	Fundamentals of Biology for Health Sciences	4
BIOS 42	General Human Anatomy	5
BIOS 43	Human Physiology	5
BIOS 44	Microbiology	5
CHEM 30A	Introductory and Applied Chemistry I	4
ENGL 4A	Critical Thinking and Writing about Literature	4
ENGL 7A	Critical Thinking and Writing across Disciplines	4
PSY 12	Lifespan Psychology	3

Units

Recommended Courses for a BSN

MTH 43	Introduction to Probability and Statistics or	4
PSY 5	Introductory Statistics for the Behavioral and Social Sciences	4
NUTR 1	Introduction to Nutrition Science	3

Nutrition is not required in all BSN programs

Major Requirements	36 units
General Education	19 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

NURSING (NURS) COURSE UPDATES

51 Maternity Nursing 4.5 Units

(Formerly 4.0 unit course)
Nursing care of the childbearing family. The focus is on the physiological and psychological needs of families as they are affected by pregnancy, labor and birth, postpartum, and newborn stages. Theory and clinical practice include integration of assessment skills, women's health, nutrition, pain management, ethical issues, implicit bias and teaching strategies unique to childbearing families. Quality, Safety, Education in Nursing (QSEN) concepts are incorporated. Total weeks - 9. 45 hours lecture, 18 hours laboratory, 108 hours clinical.
Prerequisite: NURS 55.

52 Pediatric Nursing 4.5 Units

(Formerly 4.0 unit course)
Emphasis placed on the use of the nursing process in promoting adaptive processes necessary for coping with the health issues of infants, children and adolescents. Theory and clinical practice includes integration of assessment skills, growth and development, family abuse issues, nutrition, pharmacological concepts, ethical issues, and teaching strategies unique to child-rearing families. Clinical focuses on care of clients in community and acute care settings. Concepts related to the California Nursing Practice Act, and Quality, and Safety Education in Nursing (QSEN) will be incorporated. Total weeks-9. 45 hours lecture, 18 hours laboratory, 108 hours clinical. **Prerequisite:** NURS 55.

53 Mental Health Nursing 4.5 Units

(Formerly 4.0 units course)
Emphasis on the use of the nursing process in the care of clients of all ages experiencing selected conditions requiring treatment in psychiatric care settings. Theory and clinical practice includes integration of assessment skills, nutrition, pharmacological and crisis intervention concepts, legal-ethical issues, and anger management. Concepts related to the California Nursing Practice Act, and Quality, and Safety Education in Nursing (QSEN) will be incorporated. Total - 9 weeks. 45 hours lecture, 18 hours laboratory, 108 hours clinical.
Prerequisite: NURS 70 or NURS 55.



55 Fundamentals of Nursing Practice **8.5 Units**
 (Formerly 9.0 units course)
 Introduction to fundamental concepts and practices in nursing care across the life span. Application of the nursing process to the care of adult and geriatric clients with acute and chronic disorders and fundamental nursing skills. Theoretical content provides an overview of the care of clients with diverse cultural backgrounds and spiritual needs as well as principles of therapeutic communication. Concepts related to the California Nursing Practice Act, as well as principles of safe clinical practice. 81 hours lecture, 36 hours laboratory, 189 hours clinical. **Prerequisite:** Acceptance into the Nursing Program.

60A Adult Health I **4.5 Units**
 (Formerly 4.0 units course)
 Emphasis on the use of the nursing process in the care of adults experiencing selected conditions requiring treatment in medical-surgical care settings. Theory and clinical practice includes integration of assessment skills, nutrition, medication administration and legal-ethical issues. Concepts related to the California Nursing Practice Act, and Quality, and Safety Education in Nursing (QSEN) will be incorporated. Total - 9 weeks. 45 hours lecture, 18 hours laboratory, 108 hours clinical. **Prerequisite:** NURS 55.

60B Adult Health II **(6 Units)**
 Nursing interventions that assist the adult client in adaptation to stressors of acute and chronic illnesses with unpredictable outcomes. Focus on caring for groups of clients in the medical-surgical and critical care setting. Concepts related to the California Nursing Practice Act, as well as principles of safe clinical practice will be included. Total - 12 weeks. 54 hours lecture, 162 hours clinical. **Prerequisite:** NURS 51, NURS 52, NURS 53, NURS 60A.

60C Adult Health III **3.5 Units**
 Discussion of leadership styles, delegation of care, evidence based practice, conflict management, delegation of assignments, prioritization of client care, and organizational structure the health care organization. Concepts related to the California Nursing Practice Act, and Quality, and Safety Education in Nursing (QSEN) will be incorporated. Total - 6 weeks. 9 hours lecture, 162 hours clinical. **Prerequisite:** NURS 60B.

PARALEGAL STUDIES (PLGL)

**PARALEGAL STUDIES (PLGL)
 COURSE UPDATES**

37 Tort Law **3 Units**
 This course focuses on the fundamental concepts of tort law, including intentional torts, negligence, trespass, strict liability, personal injury, mental distress, as well as commonly employed defenses. This course will help fulfill the requirements of the 24-unit Paralegal Studies Certificate. 54 hours lecture. **Strongly Recommended:** PLGL 30.

PHYSICAL EDUCATION

**KINESIOLOGY (KINE)
 COURSE CORRECTIONS**

DMP Prevention of Type II Diabetes through Nutrition and Exercise **2 Units**
Correction: course title updated to lower case letters.

Designed to lower the risk factors of metabolic syndrome and adult type II diabetes in young adults. This course will include both lecture and exercise activities aimed at lowering body fat, elevated blood pressure and elevated blood sugar levels. 18 hours lecture, 54 hours laboratory.

PHYSICAL EDUCATION (PEAC) COURSE CORRECTIONS

WLK2 Advanced Walking for Fitness **0.50 - 2 Units**
Correction: unit correction, course is 0.5-2 units not 3-6 units.

This is course is for students of intermediate-to-advanced fitness levels who would like to utilize walking as a fitness enhancing activity. Walking routes are on campus and will utilize the stadium bleachers, stairs and track. Multiple discussion topics will include: interval training, fitness and health assessment, equipment and safety, walking techniques, motivation, nutrition basics, program design and evaluation. Students will learn about target heart rate training and recording and monitoring their heart rate in this course. 54-108 hours laboratory. **Prerequisite:** PEAC WLK1.

TEN3 Advanced Tennis **0.50 - 2 Units**
Correction: unit correction, course is 0.5-2 units not 2 units.

This course is for tennis players who are at an advanced level of play. The course will involve singles and doubles strategies that utilize high percentage play, footwork and conditioning drills, strategies for courts positioning in both singles and doubles play. 36-108 hours laboratory. **Prerequisite:** PEAC TEN2.



PRECISION MANUFACTURING (APPM)

PRECISION MANUFACTURING (APPM) COURSE CORRECTIONS

9781C Mastercam X

3 Units

(See also MTT 81C)

Correction: unit to hour breakdown - 36 hours lecture, 54 hours laboratory instead of 18 hours lecture, 108 hours laboratory.

The fundamentals of the latest version of Mastercam CAD/CAM manufacturing software as it pertains to machine shop use and requirements. Instruction includes theory and laboratory practice on the use of the Mastercam software environment to create 2 1/2 and 3 axis, lathe, and wire edm tool paths. Instruction includes part drawing, dimensioning, importing electronic files (DXF, IGES, Sldprt, and Dwg), lathe and mill tool path construction, geometry and tool path transformations, tool path editing, and post processors. Registration in this course is limited to apprentices accepted into, and registered with, the state of California Department of Apprenticeship Standards. Each apprenticeship has different eligibility and admission requirements but includes being at least 18 years of age and having earned a high school diploma or GED. For information, see www.apprenticeship4you.com/our-programs. May not receive credit if MTT 81C has been completed successfully. 36 hours lecture, 54 hours laboratory. **Strongly Recommended:** MTT 71A or APPM 9771A.

PSYCHOLOGY (PSY)

Degree

AA-T	Psychology
AA	Behavioral Science

PSYCHOLOGY

Associate in Arts for Transfer

Correction: list B header "List B: Select one course (any course not already used in list A may be used in list B" instead of "choose a minimum of 6 units"

The Associate in Arts in Psychology for Transfer degree prepares students for transfer into bachelor's degree program in Psychology and similar programs at a CSU campus and guarantees admission to the CSU system. Psychology is a broad discipline with many areas of specialty. It continually seeks to understand and explain the human experience: how we think, act, feel and relate to ourselves and others. Students completing this degree will learn to apply science, as well as use multiple theoretical perspectives and levels of analysis to understand problems related to behavior and mental processes. The successful student will apply critical and creative thinking to problem solving, and apply psychological knowledge to personal, social, organizational, cross-cultural, and global issues. This degree provides students with foundational knowledge, skills, and values consistent with the science and application of Psychology while preparing them for upper division course work in the field. California Community College students who are awarded the Associate in Arts in Psychology for Transfer 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 like their community college major. Students are encouraged to meet with a counselor to review their options for transfer and to develop a student educational plan that best meets their goals. Students wishing to pursue the Associate in Arts for Transfer in Psychology must complete 60 semester units eligible for transfer to the California State University, including either: The Intersegmental General Education Transfer Curriculum (IGETC) for CSU or the California State University General Education-Breadth Requirements, and a minimum of 19 units of major coursework in the major, as detailed below. Students must maintain a minimum 2.0 GPA, including grades of "C" (or "P") in each course taken to fulfill the major.

Program Learning Outcomes

1. Demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology.
2. Respect and use critical and creative thinking, skeptical inquiry, and, when possible, the scientific approach to solve problems related to behavior and mental processes.



Require Core

		Units
PSY 1	General Psychology	3
PSY 2	Introduction to Psychological Methodology	3
PSY 5	Introductory Statistics for the Behavioral and Social Sciences	4
	or	
MTH 43	Introduction to Probability and Statistics	4
	or	
BUS 19	Business Statistics	4

List A (chose one course)

PSY 4	Brain, Mind and Behavior	3
BIOS 1	Introduction to the Science of Biology	4
	or	
BIOS 41	Fundamentals of Biology for Health Sciences	4

List B

Select one course. Any course not already used in List A may be used.

PSY 3	Social Psychology	3
PSY 6	Abnormal Psychology	3
PSY 12	Lifespan Psychology	3

List C

Select one course. Any course not already used in List B may be used.

PSY 7	Introduction to Counseling Theory and Skills	3
PSY 8	Human Sexuality (same as HLTH 8, SOCI 8)	3
PSY 25	Happiness, Health, and Wellness Psychology	3
PSY 33	Psychology of Personal and Social Adjustment	3
PSY 45	Psychology of Creativity and Innovation	3

All courses in the major area of emphasis are required to have a grade of "C" or higher, and a cumulative GPA of 2.0 must be achieved.

Major Requirements	19-20 units
General Education	CSU GE 39 units IGETC (CSU) 37 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

BEHAVIORAL SCIENCE

Associate in Arts

Correction: SOCI 3 title is Introduction to Race and Ethnicity not Introduction to Race and Ethnic Relations

This major is highly recommended for transfer students because it provides a basic foundation for subsequent specialization in many liberal arts fields of study. It is strongly based in the international arena. The value of the degree is now recognized by business and industry as it requires a variety of skills demanded in business, education, health, law, and government, as well as the social services. The general studies student should market educational accomplishments as a collection of career transferable skills in communication, the global arena, public service, problem solving, production and personnel management.

Program Learning Outcomes

1. Demonstrate an understanding of research methods used in the behavioral sciences.
2. Demonstrate an understanding of the major theoretical perspectives included the behavioral sciences

Freshman Year

		Units
ANTH 1	Biological/Physical Anthropology	3
PSY 1	General Psychology	3
SOCI 1	Principles of Sociology	3

Sophomore Year

Anthropology Option (Choose one from the following)

ANTH 3	Social and Cultural Anthropology	3
ANTH 5	Cultures of the U.S. in Global Perspective	3
ANTH 12	Magic, Religion, Witchcraft and Healing	3

Psychology Option (choose one from the following)

PSY 3	Social Psychology	3
PSY 6	Abnormal Psychology	3
PSY 8	Human Sexuality (same as HLTH 8, SOCI 8) or	3
SOCI 8	Human Sexuality (same as HLTH 8, PSY 8)	3
PSY 12	Lifespan Psychology	3



NEW, CORRECTED, AND MODIFIED COURSE LISTING PSY, PSCN

Sociology Option (choose one from the following)

SOCI 2	Social Problems	3
SOCI 3	Introduction to Race and Ethnicity	3
SOCI 6	Introduction to Gender	3

Major Requirements	18 units
General Education	25 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

Required Core

		Units
PSCN 1	Introduction to Psychology-Counseling in a Multicultural Environment (same as APHC 9710)	3
PSCN 2	Introduction to Case Management for Human Services (same as APHC 9711)	3
PSCN 5	Introduction to Social Work and Human Services (same as APHC 9712)	3
PSCN 95	Social Work and Human Services Fieldwork	1-4
PSCN 96	Social Work and Human Services Seminar	1

PSYCHOLOGY - COUNSELING (PSCN)

Degrees

AS	Human Services
AA	Liberal Arts
AS	Liberal Arts and Sciences: Science, Math, and Technology

Certificate of Achievement

Behavioral Health
CSU GE Breadth
Intersegmental General Education Transfer Curriculum (IGETC)

HUMAN SERVICES

Associate in Science

An introduction to the theories and skills needed for entry-level work in a social services setting. Sociological, psychological, and multicultural theories will be addressed to provide a foundation for student self-reflection and the application of theory for human services work. This program is designed to provide entry-level skills to work in human service positions and/or provide an applied foundation for further education in a variety of areas, including (but not limited to) counseling, psychology, social work, social justice work, health care.

Career Opportunities

Entry-level positions in Human Services with local community-based organizations, county, or state service centers.

Program Learning Outcomes

1. demonstrate cultural awareness and sensitivity needed to respectfully serve the diverse service population.:
2. provide an overview of the field of human and social services in both the public and private sector.
3. demonstrate an increase in self-awareness, the ability to implement boundaries and the ability to make ethical decisions.
4. demonstrate the ability to assess the needs of clients and provide appropriate referral for them.

List A (choose 1 course)

PSCN 11	Interpersonal Relationships	2
PSCN 12	Self-Esteem For Success	2
PSCN 30	Life Transitions	3

List B (choose 1 course)

PSCN 10	Career and Educational Planning	2
PSCN 20	The College Experience	2
PSCN 15	College Study Skills	2
PSCN 23	Creating Success in College and Life	3

List C (choose 1 course)

PSCN 3	Drugs, Recovery and Prevention in Modern Society	3
PSCN 4	Multicultural/Cultural Communication	3
PSY 1	General Psychology	3
SOCI 1	Principles of Sociology	3

Required for Major Specific G.E. Requirement.

Complete a minimum of 3 units

COMM 1	Fundamentals of Speech Communication	3
ENGL 4A	Critical Thinking and Writing about Literature	4
ENGL 7A	Critical Thinking and Writing across Disciplines	4
PSCN 13	Multicultural Issues in Contemporary America	3

Major Requirements	18-23 units
General Education	19 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units



LIBERAL ARTS

Associate in Arts

The AA in Liberal Arts is a program for students seeking a broad-based degree that can serve as an educational foundation for a wide variety of careers and transfer majors. Students pursuing an AA in Liberal Arts may complete either the Chabot College Associate in Arts General Education course requirements, the CSU General Education Breadth, or the Intersegmental General Education Transfer Curriculum (IGETC) as well as 18 units of courses within one of the following four broad disciplinary options, for a total 60 degree-applicable units. With careful course planning, this degree offers students a foundation, as well as the flexibility, to align with many transfer pathways.

Career Opportunities

Entry-level positions in a wide variety of fields requiring skills such as: oral communications, writing, team work, critical thinking, problem solving, creativity, and innovation.

Program Learning Outcomes

1. develop effective writing and speaking skills;
2. apply logic, reasoning, and problem solving
3. demonstrate creativity and innovation.

Options

Complete 18 units from within one option area below. Courses must be from at least two different academic disciplines. Option courses may also be applied toward general education requirements, where applicable.

- Option 1: Arts and Humanities
- Option 2: Language and Communications
- Option 3: Social and Behavioral Sciences
- Option 4: Kinesiology and Wellness

Option 1: Arts and Humanities

This option focuses on the study of cultural, literary, humanistic activities and artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students will also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments.

Select at least 18 units from the courses listed below. Courses must be from at least two different disciplines.

ARCH 14	California Architecture and Urban Design	3
ART 2A	Introduction to Drawing	3
ART 2B	Drawing and Composition	3
ART 3A	Figure and Composition I	3
ART 3B	Figure and Composition II	3
ART 3C	Figure and Composition III	3
ART 3D	Figure and Composition IV	3
ART 7A	Introduction to Watercolor Painting	3

ART 7B	Intermediate Watercolor Painting	3
ART 7C	Advanced Watercolor Painting I	3
ART 7D	Advanced Watercolor Painting II	3
ART 12A	Beginning Oil Painting	3
ART 12B	Intermediate Oil Painting	3
ART 12C	Advanced Oil Painting I	3
ART 12D	Advanced Oil Painting II	3
ART 13A	Acrylic Painting - Beginning I	3
ART 13B	Acrylic Painting - Beginning II	3
ART 13C	Acrylic Painting - Advanced I	3
ART 13D	Acrylic Painting - Advanced II	3
ART 16A	Introduction to Ceramics I	3
ART 16B	Introduction to Ceramics II	3
ART 16C	Introduction to Ceramics III	3
ART 16D	Ceramics – Intermediate	3
ART 17A	Beginning Sculpture 1	3
ART 17B	Beginning Sculpture 2	3
ART 18A	Wood and Stone Sculpture I	3
ART 20	All Media Sculpture	3
ART 22	Metal Sculpture - Lost Wax Bronze Casting	3
ART 23	2-D Foundations	3
ART 24	3-D Foundations	3
ART 25	Color Theory	3
ARTH 1	Introduction to Art	3
ARTH 3	Film History and Appreciation	3
ARTH 4	Art History-Ancient to Gothic	3
ARTH 5	Art History - Renaissance to Modern-Day	3
ARTH 6	Art History - Twentieth- and Twenty-First Century Art	3
ARTH 7	Multicultural History of American Art	3
ARTH 8	Art History - A Global Perspective	3
ARTH 20	History of Photography (same as PHOT 20)	3
DIGM 1	Introduction to Digital Art	3
DIGM 2	Introduction to Graphic Design	3
DIGM 6A	Photoshop (same as PHOT 6A)	3
DIGM 10A	Introduction to Animation	3
ENGL 11A	Introduction to Creative Writing	3
ENGL 11B	Intermediate Creative Writing	3
ENGL 12A	Beginning Fiction Writing	3
ENGL 12B	Intermediate Fiction Writing	3
ENGL 13A	Beginning Craft of Writing - Poetry	3
ENGL 13B	Intermediate Craft of Writing – Poetry	3
ENGL 20	Studies in Shakespeare	3
ENGL 21	The Evolution of the Black Writer	3
ENGL 22	Mexican American/Latinx Literature of the U.S.	3
ENGL 25	Asian-American Literature	3
ENGL 31	Introduction to Queer Literature	3
ENGL 32	U.S. Women's Literature	3
ENGL 35	Modern and Contemporary U.S. Literature	3
ENGL 41	World Literature (17th Century to the Present)	3
ENGL 45	Studies in Fiction	3
ENGL 48	The Literature of the Holocaust	3
ES 5	Critiquing Race and Gender in Popular Culture	3
FILM 14	Introduction to Cinematic Arts	3
FILM 15	Introduction to Digital Filmmaking	3



NEW, CORRECTED, AND MODIFIED COURSE LISTING, PSCN

FILM 16	Documentary Filmmaking	3	THTR 3	Improvisation for the Theater	3
HIS 1	History of Western Civilization to 1600	3	THTR 4A	Introduction to Acting on Camera	3
HIS 2	History of Western Civilization Since 1600	3	THTR 4B	Advanced Acting on Camera	3
HIS 3	World History: Beginnings to 1500	3	THTR 5A	Introduction to Theater for Young Audiences	3
HIS 4	World History: 1500 to the Present	3	THTR 5B	Intermediate Theater for Young Audiences	3
HUMN 50	The Artful Life	3	THTR 6A	Movement for the Actor	3
HUMN 60	Creativity and the Community	3	THTR 6B	Advanced Movement for the Actor	3
HUMN 65	The American Style	3	THTR 7	Voice for the Actor	3
HUMN 68	World Mythology	3	THTR 8A	Audition Technique and the Business of Acting	3
KINE 4	Introduction to Sports Management	3	THTR 8B	Advanced Audition Technique and the Business of Acting	3
MUSA 20A	Guitar I	1	THTR 10	Introduction to Theater Arts	3
MUSA 20B	Guitar II	1	THTR 14	American Cultures in Theater	3
MUSA 21A	Piano I	1	THTR 15A	Introduction to Directing for Theater	3
MUSA 21B	Piano II	1	THTR 16A	Introduction to Dramatic Writing	3
MUSA 22A	Jazz Piano and Musicianship I	1	THTR 16B	Basics of Dramatic Writing	3
MUSA 22B	Jazz Piano and Musicianship II	1	THTR 16C	Intermediate Dramatic Writing	3
MUSA 23A	Voice I	1	THTR 16D	Advanced Dramatic Writing	3
MUSA 23B	Voice II	1	THTR 17	Script Analysis	3
MUSA 40	Applied Lessons	1	THTR 21	Introduction to Design for the Theater	3
MUSL 1	Introduction to Music	3	THTR 22	Introduction to Design for the Theater: Emphasis in Costume and Makeup	3
MUSL 2A	Harmony and Musicianship I	4	THTR 23	Introduction to Lighting Design for Theater	3
MUSL 2B	Harmony and Musicianship II	4	THTR 46	Stagecraft	3
MUSL 2C	Harmony and Musicianship III	4	THTR 47A	Introduction to College Theater Acting	3
MUSL 2D	Harmony and Musicianship IV	4	THTR 47B	College Theater Acting: The Basics	3
MUSL 3	World Music	3	THTR 47C	College Theater Acting: Intermediate	3
MUSL 4	History of Jazz Music	3	THTR 47D	College Theater Acting: Advanced	3
MUSL 6	Basic Music Skills	3	THTR 48A	College Theater Technical: Introduction	3
MUSL 8	History of Rock and Roll and Popular Music	3	THTR 48B	College Theater Technical: Beginning	1-6
MUSP 10	Orchestra	1	THTR 48C	College Theater Technical: Intermediate	1-6
MUSP 12	Wind Ensemble	1	THTR 48D	College Theater Technical: Advanced	1-6
MUSP 13	Wind Symphony	1			
MUSP 15	Jazz Ensemble	1			
MUSP 16	Jazz Orchestra	1			
MUSP 18	Percussion Ensemble	1			
MUSP 41	Chamber Winds	1			
MUSP 44	Concert Choir	1			
MUSP 45	Chamber Choir	1			
MUSP 47	College Productions-Music	1			
PHIL 50	Introduction to Philosophy	3			
PHIL 60	Ethics	3			
PHIL 65	Introduction to Philosophy: Theory of Knowledge	3			
PHIL 70	Introduction to Political and Social Philosophy	3			
PHOT 20	History of Photography (same as ARTH 20)	3			
PHOT 1A	Digital Photography I	3			
PHOT 2A	Black and White Darkroom Photography	3			
PHOT 3A	Introduction to Studio Lighting	3			
PHOT 4A	Color Theory for Photographers	3			
PHOT 6A	Photoshop (same as DIGM 6A)	3			
RELS 50	Religions of the World	3			
RELS 64	The Nature of Islam	3			
RELS 65	Religions of Asia	3			
RELS 70	Spiritual Traditions and Contemporary Voices	3			
THTR 1	Introduction to Acting	3			
THTR 2A	Intermediate Acting	3			
THTR 2B	Advanced Acting	3			

Option 2: Language And Communications

This option focuses on the content of communication as well as the form and should provide an understanding of the psychological basis and social significance of communication. Students will be able to assess communication as the process of human symbolic interaction. Students will also develop skills in the areas of reasoning and advocacy, organization, accuracy, reading and listening effectively.

Students will be able to integrate important concepts of critical thinking as related to the development of analysis, critical evaluation, the ability to reason inductively and deductively that will enable them to make important decisions regarding their own lives and society at large.



**Select at least 18 units from the courses listed below.
Courses must be from at least two different disciplines.**

BUS 14	Business Communications	3
CHIN 1A	Beginning Chinese	5
CHIN 1B	Elementary Chinese	5
CHIN 2A	Intermediate Chinese	4
CHIN 2B	Advanced Chinese	4
COMM 1	Fundamentals of Speech Communication	3
COMM 2	Oral Interpretation of Literature	3
COMM 3	Group Communication	3
COMM 6	Introduction to Performance Studies	3
COMM 10	Interpersonal Communication	3
COMM 11	Intercultural Communication	3
COMM 12	Gender, Sexual Identity, and Communication	3
COMM 20	Persuasion and Communication	3
COMM 46	Argumentation and Debate	3
COMM 50	Introduction to Communication Studies	3
ENGL 4A	Critical Thinking and Writing about Literature	4
ENGL 7A	Critical Thinking and Writing across Disciplines	4
ENGL 11A	Introduction to Creative Writing	3
ENGL 11B	Intermediate Creative Writing	3
ENGL 12A	Beginning Fiction Writing	3
ENGL 12B	Intermediate Fiction Writing	3
ENGL 13A	Beginning Craft of Writing – Poetry	3
ENGL 13B	Intermediate Craft of Writing – Poetry	3
FRNC 1A	Beginning French	5
FRNC 1A1	Beginning French 1	3
FRNC 1A2	Beginning French 2	3
FRNC 1B	Elementary French	5
FRNC 1B1	Elementary French 1	3
FRNC 1B2	Elementary French 2	3
FRNC 2A	Intermediate French	4
FRNC 2B	Advanced French	4
HIS 5	Critical Thinking in History	3
JAPN 1A	Beginning Japanese	5
JAPN 1B	Elementary Japanese	5
JAPN 2A	Intermediate Japanese	4
JAPN 2B	Advanced Japanese	4
MCOM 20	Introduction to Journalism Reporting and News Writing	3
MCOM 42	Writing for Broadcasting	3
MCOM 21	Newspaper Production I	3
PHIL 55	Symbolic Logic	3
PSCN 4	Multiethnic/Cultural Communication	3
SL 64	Beginning Sign Language	3
SL 65	Intermediate Sign Language	3
SL 66	Advanced Sign Language	3
SL 67	Advanced II American Sign Language	3
SPA 1A	Beginning Spanish	5
SPA 1B	Elementary Spanish 1	5
SPA 2A	Intermediate Spanish	4
SPA 2B	Advanced Spanish	4
SPA 1A1	Beginning Spanish 1	3
SPA 1A2	Beginning Spanish 2	3
SPA 1B1	Elementary Spanish 1	3
SPA 1B2	Elementary Spanish 2	3

Option 3: Social And Behavioral Sciences

This option emphasizes the perspective, concepts, theories and methodologies of the disciplines typically found in the vast variety of disciplines that comprise study in the Social and Behavioral Sciences. Students will study about themselves and others as members of a larger society. Topics and discussion to stimulate critical thinking about ways people have acted in response to their societies will allow students to evaluate how societies and social subgroups operate.

**Select at least 18 units from the courses listed below.
Courses must be from at least two different disciplines.**

ADMJ 45	Law and Democracy	3
ADMJ 50	Introduction to the Administration of Justice	3
ADMJ 60	Criminal Law	3
ADMJ 70	Community Relations	3
ANTH 1	Biological/Physical Anthropology	3
ANTH 2	Introduction to Archaeology	3
ANTH 3	Social and Cultural Anthropology	3
ANTH 4	Language and Culture	3
ANTH 5	Cultures of the U.S. in Global Perspective	3
ANTH 8	Native American Cultures	3
ANTH 12	Magic, Religion, Witchcraft and Healing	3
APHC 9702	Introduction to Public Health (same as BIOS 18, HLTH 18)	3
APHC 9710	Introduction to Psychology-Counseling in a Multicultural Environment (same as PSCN 1)	3
APHC 9712	Introduction to Social Work and Human Services (same as PSCN 5)	3
BIOS 18	Introduction to Public Health (same as APHC 9702, HLTH 18)	3
BUS 10	Business Law	4
BUS 12	Introduction to Business	3
BUS 20	Law and Society	3
BUS 36	Introduction to Marketing	3
COMM 11	Intercultural Communication	3
COMM 12	Gender, Sexual Identity, and Communication	3
COMM 50	Introduction to Communication Studies	3
ECD 52	Childhood and Adolescence	3
ECD 56	Child Growth and Development	3
ECD 62	Child, Family and Community	3
ECD 67	Infant and Toddler Development and Caregiving	3
ECN 1	Principles of Microeconomics	3
ECN 2	Principles of Macroeconomics	3
ECN 10	General Economics	3
ENST 1	Introduction to Environmental Studies	3
ENR 5	The Entrepreneurial Mindset	3
ES 1	Introduction to Ethnic Studies	3
ES 2	Contemporary Ethnic Minority Families in the U.S.	3
ES 3	Introduction to Muslim-American Studies	3
ES 4	Intro to Latinx Studies	3
ES 5	Critiquing Race and Gender in Popular Culture	3
ES 6	Intro to Pacific Islands and Oceania Studies	3
ES 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies (same as SOCI 7)	3



NEW, CORRECTED, AND MODIFIED COURSE LISTING, PSCN

ES 10	Introduction to Asian American Studies (same as SOCI 10)	3	KINE 8 KINE 70	Introduction to Sport in Contemporary Society History and Philosophy of Sport and Physical Activity	3 3
ES 25	American Indian History and Culture (same as HIS 25)	3	MCOM 40	Introduction to Broadcasting	3
ES 42	Asian American History: 18th Century to 1945 (same as HIS 42)	3	MCOM 41	Introduction to Mass Communications	3
ES 43	Asian American History: Early 20th Century - 21st Century (same as HIS 43)	3	POSC 1 POSC 12	Introduction to American Government Introduction to California State and Local Government	3 3
ES 52	United States History from a Chicano Perspective I (same as HIS 52)	3	POSC 20 POSC 25	Comparative Politics Introduction to Political Theory	3 3
ES 53	United States History from a Chicano Perspective II (same as HIS 53)	3	POSC 30 POSC 35	International Relations Politics of Race and Gender: History, Governance, and Public Policy	3 3
ES 62	The African-American Experience in U.S. History Through the Civil War (same as HIS 62)	3	PSY 1 PSY 2	General Psychology Introduction to Psychological Methodology	3 3
ES 63	The African American Experience in U.S. History From Reconstruction (same as HIS 63)	3	PSY 3 PSY 4	Social Psychology Brain, Mind and Behavior	3 3
GEO 2	Cultural Geography	3	PSY 6 PSY 7	Abnormal Psychology Introduction to Counseling Theory and Skills	3 3
GEO 3	Economic Geography	3	PSY 8	Human Sexuality (same as HLTH 8, SOCI 8)	3
GEO 5	World Regional Geography	3	PSY 12	Lifespan Psychology	3
GEO 10	Global Environmental Problems	3	PSY 33	Psychology of Personal and Social Adjustment	3
GEO 12	Geography of California	3	PSY 25	Happiness, Health, and Wellness Psychology	3
GEO 20	Introduction to Geographic Information Systems	3	PSY 45	Psychology of Creativity and Innovation	3
HLTH 8	Human Sexuality (same as PSY 8, SOCI 8)	3	PSCN 1	Introduction to Psychology-Counseling in a Multicultural Environment (same as APHC 9710)	3 3
HIS 1	History of Western Civilization to 1600	3	PSCN 3	Drugs, Recovery and Prevention in Modern Society	3
HIS 2	History of Western Civilization Since 1600	3	PSCN 4	Multicultural/Cultural Communication	3
HIS 3	World History: Beginnings to 1500	3	PSCN 5	Introduction to Social Work and Human Services (same as APHC 9712)	3
HIS 4	World History: 1500 to the Present	3	PSCN 13	Multicultural Issues in Contemporary America	3
HIS 7	U.S. History Through Reconstruction	3	SOCI 1	Principles of Sociology	3
HIS 8	U.S. History Since Reconstruction	3	SOCI 2	Social Problems	3
HIS 12	History of California	3	SOCI 3	Introduction to Race and Ethnicity	3
HIS 22	Mexican American History and Culture	3	SOCI 4	Marriage and Family Relations	3
HIS 25	American Indian History and Culture (same as ES 25)	3	SOCI 5	Introduction to Social Research Methods	3
HIS 32	Colonial Latin America	3	SOCI 6	Introduction to Gender	3
HIS 33	Modern Latin America	3	SOCI 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies (same as ES 7)	3 3
HIS 42	Asian American History: 18th Century to 1945 (same as ES 42)	3	SOCI 8	Human Sexuality (same as HLTH 8, PSY 8)	3
HIS 43	Asian American History: Early 20th Century - 21st Century (same as ES 43)	3	SOCI 10	Introduction to Asian American Studies (same as ES 10)	3
HIS 48	U. S. Women's History Through Reconstruction	3			
HIS 49	U.S. Women's History Post-Reconstruction	3			
HIS 52	United States History from a Chicano Perspective I (same as ES 52)	3			
HIS 53	United States History from a Chicano Perspective II (same as ES 53)	3			
HIS 62	The African-American Experience in U.S. History Through the Civil War (same as ES 62)	3			
HIS 63	The African American Experience in U.S. History From Reconstruction (same as ES 63)	3			
KINE 4	Introduction to Sports Management	3			



Option 4: Kinesiology and Wellness

Select at least 18 units from the courses listed below, to include at least 15 units from Group 1; and at least 3 units from Group 2. Group 1 courses must include courses from at least two different disciplines.

The Kinesiology and Wellness option combines exercise science fundamentals along with a signature experience in community based physical activity, fitness and wellness. This option may provide a foundation for careers in areas such as corporate fitness, cardiac rehabilitation, and strength and conditioning.

This option may also align with programs in exercise science/ kinesiology, nursing, physical therapy, medicine and physician assistant programs, occupational therapy, public health, and a variety of other programs that train health professionals.

Group 1 15 units from a least two different subjects

BIOS 1	Introduction to the Science of Biology	4
BIOS 5	Human Heredity and Evolution	3
BIOS 41	Fundamentals of Biology for Health Sciences	4
BIOS 42	General Human Anatomy	5
BIOS 43	Human Physiology	5
BIOS 44	Microbiology	5
CHEM 10	Introduction to Chemistry	4
CHEM 30A	Introductory and Applied Chemistry I	4
CHEM 30B	Introductory and Applied Chemistry II	4
CHEM 31	Introduction to College Chemistry	4
EMS 1	Emergency Medical Responder	3
HLTH 1	Introduction to Personal Health	3
HLTH 4	Women and Health	3
HLTH 8	Human Sexuality (same as PSY 8, SOCI 8)	3
HLTH 60	Responding to Emergencies	1
KINE 1	Introduction to Kinesiology & Physical Education	3
KINE 2	Introduction to Athletic Training	4
KINE 3	Introduction to Principles of Coaching Sports: Beyond the Basics	3
KINE 3BB	Introduction to the Principles of Coaching Baseball	2
KINE 3BK	Introduction to the Principles of Coaching Basketball	2
KINE 3FT	Introduction to Coaching Football	2
KINE 3SF	Introduction to Coaching Softball	2
KINE 3SO	Introduction to Coaching Soccer	2
KINE 3TK	Introduction to Coaching Track and Field	2
KINE 4	Introduction to Sports Management	3
KINE 5	Introduction to the Components of Physical Fitness - the Human Body	3
KINE 6	Performance Enhancement thru Mental Training	3
KINE 7	Introduction to Lifetime Fitness	3
KINE 8	Introduction to Sport in Contemporary Society	3
KINE 10	Nutrition for Fitness and Fat Loss	3
KINE 11	Nutrition For Sports And Human Performance	3
KINE 12BB	Introduction to Baseball Officiating	2
KINE 12BK	Introduction to Basketball Officiating	2
KINE 12FT	Introduction to Football Officiating	2
KINE 12TK	Introduction to Track & Field Officiating	2

KINE 14	Introduction to Health and Fitness For Your Disability	3
KINE 15	Introduction to Personal Fitness Training	3
KINE 16	Theory & Technique of Offensive Football	2
KINE 17	Theory & Technique of Defensive Football	2
KINE 23	Techniques of Strength Training Instruction	3
KINE 70	History and Philosophy of Sport and Physical Activity	3
KINE BBOT	Theory and Technique of Defensive Baseball	2
KINE BBOT	Theory and Technique of Offensive Baseball	2
KINE CSA	College Success for Athletes	1
KINE PDBB	Principles of Defensive Baseball	2
KINE POBB	Principles of Offensive Baseball	2
NUTR 1	Introduction to Nutrition Science	3
NUTR 4	Mother and Childhood Nutrition	3
NUTR 6	Nutrition for Healthy Living	3
NUTR 10	Weight Management for Healthy Aging	3
NUTR 11	Sports Nutrition	3
PHYS 11	Descriptive Physics	4
PSCN 10	Career and Educational Planning	2
PSCN 11	Interpersonal Relationships	2
PSCN 12	Self-Esteem For Success	2
PSCN 20	The College Experience	2
PSCN 30	Life Transitions	3
PSCN 21	Strategies for College Success	1
PSCN 22	College Success Series	0.5-1.5
PSCN 23	Creating Success in College and Life	3
PSY 1	General Psychology	3
PSY 8	Human Sexuality (same as SOCI 8, HLTH 8)	3
PSY 12	Lifespan Psychology	3
PSY 25	Happiness, Health, and Wellness Psychology	3
SOCI 1	Principles of Sociology	3
SOCI 8	Human Sexuality (same as HLTH 8, PSY 8)	3

Group 2 3 units

Strongly recommended: Students who are getting the AA degree with a concentration in Kinesiology and Wellness are encouraged to take a minimum of three activity courses in at least three different PEAC activity areas: Aquatics, Fitness, Individual Sports, Team Sports, and Dance.

PEAC AQDW	Aqua Aerobics – Deep Water 2	0.5-2
PEAC SMLP	Lap Swimming for Cardiovascular Conditioning	0.5-2
PEAC AQA1	Aqua Aerobics	0.5-2
PEAC BAB1	Bay Area Biking	0.5-2
PEAC BTC1	Beginning Boot Camp	0.5-2
PEAC CYC1	Introduction to Spin Cycling	0.5-2
PEAC DWA1	Aqua Aerobics – Deep Water 1	0.5-2
PEAC FUN1	Core Conditioning for Abs, Hips and Thighs	0.5-2
PEAC HM1	Training for Your First Half Marathon	0.5-2
PEAC HTA1	Guts and Butts Workout	0.5-2
PEAC LSF1	Introductory Lap Swimming for Cardiovascular Fitness	0.5-2
PEAC PIL1	Introduction to Pilates	0.5-2
PEAC STP1	Introduction to Cardio- Step	0.5-2



NEW, CORRECTED, AND MODIFIED COURSE LISTING, PSCN

PEAC SWM1	Beginning Swimming	0.5-2
PEAC TRI1	Beginning Triathlon Training	0.5-2
PEAC WEI1	Introduction to Weight Training	0.5-2
PEAC WLK1	Walking for Fitness	0.5-2
PEAC WOW1	Women's Weight Training 1	0.5-2
PEAC YOG1	Introduction to Yoga	0.5-2
PEAC SSTK	Track and Field Skills	0.5-2
PEAC AKD1	AIKIDO 1	0.5-2
PEAC ARH1	Archery 1	0.5-2
PEAC BAD1	Introduction to Badminton	0.5-2
PEAC BSK1	Introduction to Basketball	0.5-2
PEAC DIS1	Introduction to Disc Sports	0.5-2
PEAC FTS1	Futsal	0.5-2
PEAC JUD1	Beginning Judo	0.5-2
PEAC SOC1	Introduction to Soccer	0.5-2
PEAC TEN1	Introduction to Tennis	0.5-2
PEAC TKD1	Tae-kwon-do	0.5-2
PEAC VOL1	Introduction to Volleyball	0.5-2
PEAC WAP1	Introduction to Water Polo	0.5-2
ATHL FT1	Intercollegiate Football	3
ATHL SW2	Intercollegiate Women's Soccer	3
ATHL SM3	Men's Intercollegiate Soccer	3
ATHL VB4	Women's Intercollegiate Volleyball	3
ATHL WR5	Intercollegiate Wrestling	3
ATHL WCC6	Women's Intercollegiate Cross Country	3
ATHL MCC7	Men's Intercollegiate Cross Country	3
ATHL WWP8	Intercollegiate Women's Water Polo	3
ATHL WB10	Intercollegiate Women's Basketball	1.5
ATHL MB11	Men's Intercollegiate Basketball	1.5
ATHL SB12	Women's Intercollegiate Softball	3
ATHL BB13	Men's Intercollegiate Baseball	3
ATHL WS14	Women's Intercollegiate Swimming & Diving	3
ATHL MS15	Men's Intercollegiate Swimming & Diving	3
ATHL TK16	Women's Intercollegiate Track & Field	3
ATHL TK17	Men's Intercollegiate Track & Field	3
ATHL WT18	Women's Intercollegiate Tennis	3
ATHL MT19	Men's Intercollegiate Tennis	3
ATHL MG21	Men's Intercollegiate Golf	3

LIBERAL ARTS AND SCIENCES: SCIENCE, MATH, AND TECHNOLOGY

Associate in Science

The AS in Liberal Art and Sciences: Science, Math and Technology is a program for students seeking a broad-based degree that can serve as an educational foundation for a wide variety of careers and transfer majors in STEM fields. Students pursuing this degree may complete either the Chabot College Associate in Science General Education course requirements, the CSU General Education Breadth, or the Intersegmental General Education Transfer Curriculum (IGETC for CSU or UC) as well as 18 units of courses in the science and mathematics, for a total 60 degree-applicable units. With careful course planning, this degree offers students a foundation, as well as the flexibility, to align with many transfer pathways.

Career Opportunities

Entry-level positions in a wide variety of fields requiring skills such as: critical thinking, problem solving, communications, teamwork, creativity, and innovation.

Program Learning Outcomes

Upon the completion of the program the student should be able to

1. develop effective writing and speaking skills;
2. apply logic, reasoning, and problem solving;
3. demonstrate creativity and innovation.

Courses

Units

Complete 18 units from courses listed below. Courses must be from at least two different academic disciplines. Major courses may also be applied toward general education requirements, where applicable.

ANTH 1	Biological/Physical Anthropology	3
ANTH 1L	Biological/Physical Anthropology Laboratory	1
ANTH 13	Forensic Anthropology	3
ANTH 13L	Forensic Anthropology Laboratory	1
ASTR 10	Introduction to Astronomy: The Solar System	3
ASTR 20	Introduction to Astronomy: Stars and the Universe	3
ASTR 30	Introduction to Astronomy Lab	1
ASTR 45	Descriptive Astronomy	3
BIOS 1	Introduction to the Science of Biology	4
	or	
BIOS 41	Fundamentals of Biology for Health Sciences	4
BIOS 15	Anatomy and Physiology	4
BIOS 21A	Principles of Plant Biology and Ecology	4
BIOS 21B	Principles of Animal Biology and Evolution	4
BIOS 21C	Principles of Cell and Molecular Biology	5
BIOS 42	General Human Anatomy	5
BIOS 43	Human Physiology	5
BIOS 44	Microbiology	5

Major Requirements	18 units
General Education	25 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

BEHAVIORAL HEALTH

Certificate of Achievement

The Certificate of Achievement in Behavioral Health will prepare students for entry-level para-professional jobs in human services. The program will provide a historical context of the human services profession, and students will learn hard and soft skill sets to include: interpersonal relationships, cultural competency/humility, active listening, case management, group process, boundary setting, self care, empathy, compassion. Students in this program will also complete a human service fieldwork experience course.

Career Opportunities

This program is designed to provide entry-level skills to work in human service positions and/or provide an applied foundation for further education in a variety of industries, including (but not limited to) counseling, psychology, social work, social justice work, and health care. Some job titles for positions in the Social and Human Service Assistant job category include: advocate, outreach specialist, community coordinator, social services coordinator, case management assistant, human services assistant, resource coordinator, social services assistant, independent living skills specialist, youth advocate, case worker, shelter advocate, community support specialist. Occupational demand in the East Bay for employees in this sector during 2018-23 is projected to grow 12%, with approximately 2,511 openings. The median hourly wage is 20. per hour.

Program Learning Outcomes

1. demonstrate cultural awareness and sensitivity needed to respectfully serve the diverse service population;
2. demonstrate the ability to assess the needs of clients and provide appropriate referrals for them;
3. demonstrate an understanding and provide an overview of the field of human and social services in both the public and private sector;
4. demonstrate appropriate boundaries and the ability to make ethical decisions;
5. demonstrate the ability to use introspection to increase self-awareness.

Required Core

		Units
PSCN 5	Introduction to Social Work and Human Services (same as APHC 9712)	3
PSCN 95	Social Work and Human Services Fieldwork	2-4
PSCN 96	Social Work and Human Services Seminar	1

List A (choose one course)

PSCN 11	Interpersonal Relationships	2
PSCN 12	Self-Esteem For Success	2
PSCN 30	Life Transitions	3

List B (choose one course)

PSCN 4	Multiethnic/Cultural Communication	3
PSCN 13	Multicultural Issues in Contemporary America	3

List C (choose one course)

PSCN 1	Introduction to Psychology-Counseling in a Multicultural Environment (same as APHC 9710)	3
PSCN 2	Introduction to Case Management for Human Services (same as APHC 9711)	3

List D (choose 2-3 units)

Any course not already used above or

PSCN 3	Drugs, Recovery and Prevention in Modern Society	3
PSCN 10	Career and Educational Planning	2
PSCN 15	College Study Skills	2
PSCN 18	University Transfer Planning	0.5-1
PSCN 20	The College Experience	2
PSCN 21	Strategies for College Success	1
PSCN 22	College Success Series	0.5-1.5
PSCN 24	Personal Growth	1
PSCN 23	Creating Success in College and Life	3
PSCN 26	College Success and the Chicano Experience	1
ES 1	Introduction to Ethnic Studies	3
PSY 1	General Psychology	3
SOCI 1	Principles of Sociology	3

Total	16-20
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CSU GE BREADTH

Certificate of Achievement

This program provides one option for students to complete lower-division general education requirements for the California State University. The courses listed on this certificate of achievement are approved by California State University for the 2023-2024 academic year (Fall 2023, Spring 2024, and Summer 2024), and are subject to change each academic year. For the most up-to-date course information, consult the official articulation database for UC and CSU transfer articulation used for transfer admission decisions: ASSIST at www.assist.org. NOTE: Earning this certificate is different from CSU GE Breadth "certification," which is a student-initiated process with the community college office of admissions which is completed once a student has accepted an offer of admissions at a CSU campus. Counselors are able to assist in determining if the CSU GE Breadth is appropriate for your educational goals.

Program Learning Outcomes

1. Develop effective speaking and writing skills.
2. Apply logic, reasoning, and problem-solving.
3. Develop creative and innovative abilities.

NEW, CORRECTED, AND MODIFIED COURSE LISTING, PSCN



Area A - English Language, Communication, and Critical Thinking

Complete one course from each group A1, A2, and A3 (9 units).
Grades of "C-" or better are required in Area A.

A1 - Oral Communication

COMM 1	Fundamentals of Speech Communication	3
COMM 20	Persuasion and Communication	3
COMM 46	Argumentation and Debate	3

A2 - Written Communication

ENGL 1	Critical Reading and Composition	4
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A3 - Critical Thinking

COMM 46	Argumentation and Debate	3
ENGL 4A	Critical Thinking and Writing about Literature	4
ENGL 7A	Critical Thinking and Writing across Disciplines	4
HIS 5	Critical Thinking in History	3
PHIL 55	Symbolic Logic	3

Area B - Scientific Inquiry And Quantitative Reasoning

Complete one course from each group B1, B2, B3, and B4 (9 units).
One course from Area B1 or B2 may include a lab to satisfy Area B3.

B1 - Physical Sciences

ASTR 10	Introduction to Astronomy: The Solar System	3
ASTR 20	Introduction to Astronomy: Stars and the Universe	3
ASTR 45	Descriptive Astronomy	3
CHEM 1A	General College Chemistry I	5
CHEM 1B	General College Chemistry II	5
CHEM 10	Introduction to Chemistry	4
CHEM 12A	Organic Chemistry I	5
CHEM 12B	Organic Chemistry II	5
CHEM 30A	Introductory and Applied Chemistry I	4
CHEM 30B	Introductory and Applied Chemistry II	4
CHEM 31	Introduction to College Chemistry	4
GEO 1	Introduction to Physical Geography	3
GEO 8	Introduction to Weather and Climate	3
GEO 13	Climate Studies	3
GEOS 1	Physical Geology with Laboratory	4
GEOS 11	Physical Geology	3
PSCI 15	Descriptive Physical Science: Introduction to Principles of Physical Science	5
PHYS 3A	College Physics A	4
PHYS 3B	College Physics B	4
PHYS 4A	General Physics I	5
PHYS 4B	General Physics II	5
PHYS 5	Modern Physics	3
PHYS 11	Descriptive Physics	4

B2 - Life Sciences

ANTH 1	Biological/Physical Anthropology	3
ANTH 13	Forensic Anthropology	3
BIOS 1	Introduction to the Science of Biology	4
BIOS 5	Human Heredity and Evolution	3
BIOS 15	Anatomy and Physiology	4
BIOS 21A	Principles of Plant Biology and Ecology	4

BIOS 21B	Principles of Animal Biology and Evolution	4
BIOS 21C	Principles of Cell and Molecular Biology	5
BIOS 41	Fundamentals of Biology for Health Sciences	4
BIOS 42	General Human Anatomy	5
BIOS 43	Human Physiology	5
BIOS 44	Microbiology	5
ENSC 10	Humans and the Environment	3
ENSC 11	Humans and the Environment with Laboratory	4
ENSC 15	Agroecology	3
PSY 4	Brain, Mind and Behavior	3

B3 - Lab Science

ANTH 1L	Biological/Physical Anthropology Laboratory	1
ANTH 13L	Forensic Anthropology Laboratory	1
ASTR 30	Introduction to Astronomy Lab	1
BIOS 1	Introduction to the Science of Biology	4
BIOS 15	Anatomy and Physiology	4
BIOS 21A	Principles of Plant Biology and Ecology	4
BIOS 21B	Principles of Animal Biology and Evolution	4
BIOS 21C	Principles of Cell and Molecular Biology	5
BIOS 41	Fundamentals of Biology for Health Sciences	4
BIOS 42	General Human Anatomy	5
BIOS 43	Human Physiology	5
BIOS 44	Microbiology	5
CHEM 1A	General College Chemistry I	5
CHEM 1B	General College Chemistry II	5
CHEM 10	Introduction to Chemistry	4
CHEM 12A	Organic Chemistry I	5
CHEM 12B	Organic Chemistry II	5
CHEM 30A	Introductory and Applied Chemistry I	4
CHEM 30B	Introductory and Applied Chemistry II	4
CHEM 31	Introduction to College Chemistry	4
ENSC 11	Humans and the Environment with Laboratory	4
ENSC 15L	Agroecology Laboratory	1
GEO 1L	Introduction to Physical Geography Laboratory	1
GEOS 1	Physical Geology with Laboratory	4
GEOS 11L	Physical Geology Lab	1
PHYS 3A	College Physics A	4
PHYS 3B	College Physics B	4
PHYS 4A	General Physics I	5
PHYS 4B	General Physics II	5
PHYS 11	Descriptive Physics	4
PSCI 15	Descriptive Physical Science: Introduction to Principles of Physical Science	5

B4 - Mathematics

A grade of "C-" or better is required in Area B4.

BUS 19	Business Statistics	4
CSCI 28	Discrete Mathematics (same as MTH 8)	3
MTH 1	Calculus I	5
MTH 2	Calculus II	5
MTH 3	Multivariable Calculus	5
MTH 4	Elementary Differential Equations	3
MTH 6	Elementary Linear Algebra	3



NEW, CORRECTED, AND MODIFIED COURSE LISTING, PSCN

MTH 8	Discrete Mathematics (same as CSCI 28)	3	C2 - Humanities		
MTH 15	Applied Calculus I	3	ARTH 4	Art History-Ancient to Gothic	3
MTH 16	Applied Calculus II	3	ARTH 20	History of Photography (same as PHOT 20)	3
MTH 20	Pre-Calculus Mathematics	5	CHIN 1A	Beginning Chinese	5
MTH 21	College Algebra for BSTEM	5	CHIN 1B	Elementary Chinese	5
MTH 22	Trigonometry with Analytic Geometry	5	CHIN 2B	Advanced Chinese	4
MTH 31	College Algebra	3	COMM 2	Oral Interpretation of Literature	3
MTH 31S	College Algebra with Support	4	COMM 6	Introduction to Performance Studies	3
MTH 33	Finite Mathematics	4	ENGL 11A	Introduction to Creative Writing	3
MTH 33S	Finite Mathematics with Support	4.5	ENGL 12A	Beginning Fiction Writing	3
MTH 36	Trigonometry	3	ENGL 13A	Beginning Craft of Writing - Poetry	3
MTH 36S	Trigonometry with Support	4	ENGL 20	Studies in Shakespeare	3
MTH 37	Trigonometry with an Emphasis on its Geometric Foundations	5	ENGL 21	The Evolution of the Black Writer	3
MTH 37S	Trigonometry with an Emphasis on its Geometric Foundations with Support	5.5	ENGL 22	Mexican American/Latinx Literature of the U.S.	3
MTH 41	Number Systems	3	ENGL 25	Asian-American Literature	3
MTH 41S	Number Systems with Support	3.5	ENGL 28	Classic and Contemporary Youth Literature	3
MTH 43	Introduction to Probability and Statistics	4	ENGL 31	Introduction to Queer Literature	3
MTH 43S	Introduction to Probability and Statistics with Support	5	ENGL 32	U.S. Women's Literature	3
MTH 44	Mathematics for Democracy	3	ENGL 35	Modern and Contemporary U.S. Literature	3
MTH 47	Mathematics for Liberal Arts	3	ENGL 41	World Literature (17th Century to the Present)	3
MTH 47S	Mathematics for Liberal Arts with Support	3.5	ENGL 45	Studies in Fiction	3
PSY 5	Introductory Statistics for the Behavioral and Social Sciences	4	ENGL 48	The Literature of the Holocaust	3
			ES 5	Critiquing Race and Gender in Popular Culture	3
			FRNC 1A	Beginning French	5
			FRNC 1A1	Beginning French 1	3
			FRNC 1A2	Beginning French 2	3
			FRNC 1B	Elementary French	5
			FRNC 1B1	Elementary French 1	3
			FRNC 1B2	Elementary French 2	3
			FRNC 2A	Intermediate French	4
			FRNC 2B	Advanced French	4
			HIS 1	History of Western Civilization to 1600	3
			HIS 2	History of Western Civilization Since 1600	3
			HIS 3	World History: Beginnings to 1500	3
			HIS 4	World History: 1500 to the Present	3
			HIS 33	Modern Latin America	3
			HUMN 50	The Artful Life	3
			HUMN 60	Creativity and the Community	3
			HUMN 65	The American Style	3
			HUMN 68	World Mythology	3
			JAPN 1A	Beginning Japanese	5
			JAPN 1B	Elementary Japanese	5
			JAPN 2A	Intermediate Japanese	4
			JAPN 2B	Advanced Japanese	4
			PHIL 50	Introduction to Philosophy	3
			PHIL 60	Ethics	3
			PHIL 65	Introduction to Philosophy: Theory of Knowledge	3
			PHIL 70	Introduction to Political and Social Philosophy	3
			PHOT 20	History of Photography (same as ARTH 20)	3
			RELS 50	Religions of the World	3
			RELS 64	The Nature of Islam	3
			RELS 65	Religions of Asia	3
			RELS 70	Spiritual Traditions and Contemporary Voices	3
			SL 64	Beginning Sign Language	3
			SL 65	Intermediate Sign Language	3
Area C - Arts and Humanities					
Complete 9 units, with at least one course from each group, C1 and C2.					
C1 - Arts					
ARCH 14	California Architecture and Urban Design	3			
ARTH 1	Introduction to Art	3			
ARTH 3	Film History and Appreciation	3			
ARTH 4	Art History-Ancient to Gothic	3			
ARTH 5	Art History - Renaissance to Modern-Day	3			
ARTH 6	Art History - Twentieth- and Twenty-First Century Art	3			
ARTH 7	Multicultural History of American Art	3			
ARTH 8	Art History - A Global Perspective	3			
ARTH 20	History of Photography (same as PHOT 20)	3			
ES 5	Critiquing Race and Gender in Popular Culture	3			
FILM 14	Introduction to Cinematic Arts	3			
MUSL 1	Introduction to Music	3			
MUSL 2A	Harmony and Musicianship I	4			
MUSL 3	World Music	3			
MUSL 4	History of Jazz Music	3			
MUSL 8	History of Rock and Roll and Popular Music	3			
PHOT 20	History of Photography (same as ARTH 20)	3			
THTR 1	Introduction to Acting	3			
THTR 7	Voice for the Actor	3			
THTR 10	Introduction to Theater Arts	3			
THTR 14	American Cultures in Theater	3			

NEW, CORRECTED, AND MODIFIED COURSE LISTING, PSCN



SPA 1A	Beginning Spanish	5	ES 10	Introduction to Asian American Studies (same as SOCI 10)	3
SPA 1A1	Beginning Spanish 1	3			
SPA 1A2	Beginning Spanish 2	3	ES 25	American Indian History and Culture (same as HIS 25)	3
SPA 1B	Elementary Spanish 1	5			
SPA 1B1	Elementary Spanish 1	3	ES 42	Asian American History: 18th Century to 1945 (same as HIS 42)	3
SPA 1B2	Elementary Spanish 2	3			
SPA 2A	Intermediate Spanish	4	ES 43	Asian American History: Early 20th Century - 21st Century (same as HIS 43)	3
SPA 2B	Advanced Spanish	4			
Area D - Social Sciences			ES 52	United States History from a Chicano Perspective I (same as HIS 52)	3
Complete 6 units			ES 53	United States History from a Chicano Perspective II (same as HIS 53)	3
ADMJ 45	Law and Democracy	3	ES 62	The African-American Experience in U.S. History Through the Civil War (same as HIS 62)	3
ADMJ 50	Introduction to the Administration of Justice	3	ES 63	The African American Experience in U.S. History From Reconstruction (same as HIS 63)	3
ADMJ 60	Criminal Law	3	GEO 2	Cultural Geography	3
ANTH 1	Biological/Physical Anthropology	3	GEO 3	Economic Geography	3
ANTH 2	Introduction to Archaeology	3	GEO 5	World Regional Geography	3
ANTH 3	Social and Cultural Anthropology	3	GEO 10	Global Environmental Problems	3
ANTH 4	Language and Culture	3	GEO 12	Geography of California	3
ANTH 5	Cultures of the U.S. in Global Perspective	3	GEO 20	Introduction to Geographic Information Systems	3
ANTH 6	Anthropology of Sex and Gender	3	HLTH 18	Introduction to Public Health (same as APHC 9702, BIOS 18)	3
ANTH 8	Native American Cultures	3	HIS 1	History of Western Civilization to 1600	3
ANTH 12	Magic, Religion, Witchcraft and Healing	3	HIS 2	History of Western Civilization Since 1600	3
APHC 9702	Introduction to Public Health (same as BIOS 18, HLTH 18)	3	HIS 3	World History: Beginnings to 1500	3
APHC 9710	Introduction to Psychology-Counseling in a Multicultural Environment (same as PSCN 1)	3	HIS 4	World History: 1500 to the Present	3
BIOS 18	Introduction to Public Health (same as APHC 9702, HLTH 18)	3	HIS 7	U.S. History Through Reconstruction	3
BUS 20	Law and Society	3	HIS 8	U.S. History Since Reconstruction	3
BUS 36	Introduction to Marketing	3	HIS 12	History of California	3
COMM 11	Intercultural Communication	3	HIS 19	Hist Modern China and Japan	3
COMM 12	Gender, Sexual Identity, and Communication	3	HIS 22	Mexican American History and Culture	3
COMM 50	Introduction to Communication Studies	3	HIS 25	American Indian History and Culture (same as ES 25)	3
CAS 50	Introduction to Computer Application Systems	3	HIS 32	Colonial Latin America	3
ECD 52	Childhood and Adolescence	3	HIS 33	Modern Latin America	3
ECD 56	Child Growth and Development	3	HIS 42	Asian American History: 18th Century to 1945 (same as ES 42)	3
ECD 62	Child, Family and Community	3	HIS 43	Asian American History: Early 20th Century - 21st Century (same as ES 43)	3
ECD 67	Infant and Toddler Development and Caregiving	3	HIS 48	U. S. Women's History Through Reconstruction	3
ECN 1	Principles of Microeconomics	3	HIS 49	U.S. Women's History Post-Reconstruction	3
ECN 2	Principles of Macroeconomics	3	HIS 52	United States History from a Chicano Perspective I (same as ES 52)	3
ECN 10	General Economics	3	HIS 53	United States History from a Chicano Perspective II (same as ES 53)	3
ENGL 21	The Evolution of the Black Writer	3	HIS 62	The African-American Experience in U.S. History Through the Civil War (same as ES 62)	3
ENGL 22	Mexican American/Latinx Literature of the U.S.	3	HIS 63	The African American Experience in U.S. History From Reconstruction (same as ES 63)	3
ENTR 5	The Entrepreneurial Mindset	3			
ENST 1	Introduction to Environmental Studies	3			
ES 1	Introduction to Ethnic Studies	3			
ES 2	Contemporary Ethnic Minority Families in the U.S.	3			
ES 3	Introduction to Muslim-American Studies	3			
ES 4	Intro to Latinx Studies	3			
ES 5	Critiquing Race and Gender in Popular Culture	3			
ES 6	Intro to Pacific Islands and Oceania Studies	3			
ES 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies (same as SOCI 7)	3			



HIS 52	United States History from a Chicano Perspective I (same as ES 52)	3
HIS 53	United States History from a Chicano Perspective II (same as ES 53)	3
HIS 62	The African-American Experience in U.S. History Through the Civil War (same as ES 62)	3
HIS 63	The African American Experience in U.S. History From Reconstruction (same as ES 63)	3
Total		39

**INTERSEGMENTAL GENERAL EDUCATION
TRANSFER CURRICULUM (IGETC)**

Certificate of Achievement

This program provides one option for students to complete lower-division general education requirements for University of California or the California State University. All courses must be completed with a grade of "C" or better. Completion of IGETC is typically not a requirement of, nor a guarantee of, transfer admissions. For some colleges and majors at UC, IGETC is not an appropriate general education pattern. Courses listed on this certificate of achievement are effective for the 2023-24 academic year (Fall 2023, Spring 2024, and Summer 2024), and are subject to change each academic year. For the most up-to-date course information, consult the official articulation database for UC and CSU transfer articulation used for transfer admission decisions: ASSIST at www.assist.org. Counselors are able to assist in determining if IGETC for CSU or UC is appropriate for your transfer goals.

Program Learning Outcomes

1. Develop effective speaking and writing skills.
2. Apply logic, reasoning, and problem-solving.
3. Develop creative and innovative abilities.

Area 1 - English Communication

For CSU and AA-T & AS-T Degrees - 3 courses required, one each from group 1A, 1B, and 1C
For UC - 2 courses required, one each from group 1A and 1B

1A - English Composition

ENGL 1	Critical Reading and Composition	4
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1B - Critical Thinking - English Composition

ENGL 4A	Critical Thinking and Writing about Literature	4
ENGL 7A	Critical Thinking and Writing across Disciplines	4

1C - Oral Communication

COMM 1	Fundamentals of Speech Communication	3
COMM 20	Persuasion and Communication	3
COMM 46	Argumentation and Debate	3

Area 2 - Mathematical Concepts And Quantitative Reasoning

Choose 1 course (minimum 3 units)

BUS 19	Business Statistics	4
CSCI 28	Discrete Mathematics (same as MTH 8)	3
MTH 1	Calculus I	5
MTH 2	Calculus II	5
MTH 3	Multivariable Calculus	5
MTH 4	Elementary Differential Equations	3
MTH 6	Elementary Linear Algebra	3
MTH 8	Discrete Mathematics (same as CSCI 28)	3
MTH 15	Applied Calculus I	3
MTH 16	Applied Calculus II	3
MTH 20	Pre-Calculus Mathematics	5
MTH 21	College Algebra for BSTEM	5
MTH 22	Trigonometry with Analytic Geometry	5
MTH 31	College Algebra	3
MTH 31S	College Algebra with Support	4
MTH 33	Finite Mathematics	4
MTH 33S	Finite Mathematics with Support	4.5
MTH 43	Introduction to Probability and Statistics	4
MTH 43S	Introduction to Probability and Statistics with Support	5
MTH 44	Mathematics for Democracy	3
MTH 47	Mathematics for Liberal Arts	3
MTH 47S	Mathematics for Liberal Arts with Support	3.5
PSY 5	Introductory Statistics for the Behavioral and Social Sciences	4

Note: Math courses numbered "S" or those courses with similar course content may be subject to transfer unit limits at UC.

Area 3 - Arts And Humanities

3 courses, with at least one course from the Arts and one course from 3A and one course from 3B (minimum 9 units)

Area 3A - Arts

ARTH 1	Introduction to Art	3
ARTH 3	Film History and Appreciation	3
ARTH 4	Art History-Ancient to Gothic	3
ARTH 5	Art History - Renaissance to Modern-Day	3
ARTH 6	Art History - Twentieth- and Twenty-First Century Art	3
ARTH 7	Multicultural History of American Art	3
ARTH 8	Art History - A Global Perspective	3
ARTH 20	History of Photography (same as PHOT 20)	3
ES 5	Critiquing Race and Gender in Popular Culture	3
MUSL 1	Introduction to Music	3
MUSL 3	World Music	3
MUSL 4	History of Jazz Music	3
MUSL 8	History of Rock and Roll and Popular Music	3
PHOT 20	History of Photography (same as ARTH 20)	3
THTR 10	Introduction to Theater Arts	3
THTR 14	American Cultures in Theater	3



NEW, CORRECTED, AND MODIFIED COURSE LISTING, PSCN

3B - Humanities

ARTH 4	Art History-Ancient to Gothic	3	APHC 9702	Introduction to Public Health (same as BIOS 18, HLTH 18)	3
ARTH 7	Multicultural History of American Art	3	APHC 9710	Introduction to Psychology-Counseling in a Multicultural Environment	3
ARTH 20	History of Photography (same as PHOT 20)	3	BIOS 18	Introduction to Public Health (same as APHC 9702, HLTH 18)	3
COMM 6	Introduction to Performance Studies	3	BUS 20	Law and Society	3
ENGL 20	Studies in Shakespeare	3	COMM 11	Intercultural Communication	3
ENGL 21	The Evolution of the Black Writer	3	COMM 12	Gender, Sexual Identity, and Communication	3
ENGL 22	Mexican American/Latinx Literature of the U.S.	3	COMM 50	Introduction to Communication Studies	3
ENGL 25	Asian-American Literature	3	ECD 52	Childhood and Adolescence	3
ENGL 28	Classic and Contemporary Youth Literature	3	ECD 56	Child Growth and Development	3
ENGL 31	Introduction to Queer Literature	3	ECN 1	Principles of Microeconomics	3
ENGL 32	U.S. Women's Literature	3	ECN 2	Principles of Macroeconomics	3
ENGL 35	Modern and Contemporary U.S. Literature	3	ECN 10	General Economics	3
ENGL 41	World Literature (17th Century to the Present)	3	ENST 1	Introduction to Environmental Studies	3
ENGL 45	Studies in Fiction	3	ES 1	Introduction to Ethnic Studies	3
ENGL 48	The Literature of the Holocaust	3	ES 2	Contemporary Ethnic Minority Families in the U.S.	3
ES 5	Critiquing Race and Gender in Popular Culture	3	ES 3	Introduction to Muslim-American Studies	3
FRNC 2A	Intermediate French	4	ES 4	Intro to Latinx Studies	3
FRNC 2B	Advanced French	4	ES 5	Critiquing Race and Gender in Popular Culture	3
HIS 1	History of Western Civilization to 1600	3	ES 6	Intro to Pacific Islands and Oceania Studies	3
HIS 2	History of Western Civilization Since 1600	3	ES 7	Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies	3
HIS 3	World History: Beginnings to 1500	3		(same as SOCI 7)	
HIS 4	World History: 1500 to the Present	3	ES 10	Introduction to Asian American Studies	3
HIS 33	Modern Latin America	3		(same as SOCI 10)	
HUMN 60	Creativity and the Community	3	ES 25	American Indian History and Culture	3
HUMN 68	World Mythology	3		(same as HIS 25)	
JAPN 2A	Intermediate Japanese	4	ES 42	Asian American History: 18th Century to 1945	3
JAPN 2B	Advanced Japanese	4		(same as HIS 42)	
PHIL 50	Introduction to Philosophy	3	ES 43	Asian American History: Early 20th Century - 21st Century	3
PHIL 60	Ethics	3		(same as HIS 43)	
PHIL 65	Introduction to Philosophy: Theory of Knowledge	3	ES 52	United States History from a Chicano Perspective I	3
PHIL 70	Introduction to Political and Social Philosophy	3		(same as HIS 52)	
PHOT 20	History of Photography (same as ARTH 20)	3	ES 53	United States History from a Chicano Perspective II	3
				(same as HIS 53)	
RELS 50	Religions of the World	3	ES 62	The African-American Experience in U.S. History Through the Civil War	3
RELS 64	The Nature of Islam	3		(same as HIS 62)	
RELS 65	Religions of Asia	3	ES 63	The African American Experience in U.S. History From Reconstruction	3
RELS 70	Spiritual Traditions and Contemporary Voices	3		(same as HIS 63)	
SPA 2A	Intermediate Spanish	4	GEO 2	Cultural Geography	3
SPA 2B	Advanced Spanish	4	GEO 3	Economic Geography	3

Area 4 - Social And Behavioral Sciences

2 courses, from at least two disciplines (6 units)

ADMJ 45	Law and Democracy	3	GEO 5	World Regional Geography	3
ADMJ 50	Introduction to the Administration of Justice	3	GEO 10	Global Environmental Problems	3
ADMJ 60	Criminal Law	3	GEO 12	Geography of California	3
ANTH 1	Biological/Physical Anthropology	3	HLTH 18	Introduction to Public Health (same as APHC 9702, BIOS 18)	3
ANTH 2	Introduction to Archaeology	3	HIS 1	History of Western Civilization to 1600	3
ANTH 3	Social and Cultural Anthropology	3	HIS 2	History of Western Civilization Since 1600	3
ANTH 4	Language and Culture	3	HIS 3	World History: Beginnings to 1500	3
ANTH 5	Cultures of the U.S. in Global Perspective	3	HIS 4	World History: 1500 to the Present	3
ANTH 6	Anthropology of Sex and Gender	3			
ANTH 8	Native American Cultures	3			
ANTH 12	Magic, Religion, Witchcraft and Healing	3			



NEW, CORRECTED, AND MODIFIED COURSE LISTING, PSCN

5C - Lab Requirement

Courses listed in Area 5C that are also listed in Area 5A or 5B may be used to satisfy both areas.

ANTH 1L	Biological/Physical Anthropology Laboratory	1
ANTH 13L	Forensic Anthropology Laboratory	1
ASTR 30	Introduction to Astronomy Lab	1
BIOS 1	Introduction to the Science of Biology	4
BIOS 15	Anatomy and Physiology	4
BIOS 21A	Principles of Plant Biology and Ecology	4
BIOS 21B	Principles of Animal Biology and Evolution	4
BIOS 21C	Principles of Cell and Molecular Biology	5
BIOS 41	Fundamentals of Biology for Health Sciences	4
BIOS 42	General Human Anatomy	5
BIOS 43	Human Physiology	5
BIOS 44	Microbiology	5
CHEM 1A	General College Chemistry I	5
CHEM 1B	General College Chemistry II	5
CHEM 10	Introduction to Chemistry	4
CHEM 12A	Organic Chemistry I	5
CHEM 12B	Organic Chemistry II	5
CHEM 30A	Introductory and Applied Chemistry I	4
CHEM 30B	Introductory and Applied Chemistry II	4
CHEM 31	Introduction to College Chemistry	4
ENSC 11	Humans and the Environment with Laboratory	4
ENSC 15L	Agroecology Laboratory	1
GEO 1L	Introduction to Physical Geography Laboratory	1
GEOS 1	Physical Geology with Laboratory	4
GEOS 11L	Physical Geology Lab	1
PHYS 3A	College Physics A	4
PHYS 3B	College Physics B	4
PHYS 4A	General Physics I	5
PHYS 4B	General Physics II	5
PHYS 4C	General Physics III	5
PHYS 11	Descriptive Physics	4
PSCI 15	Descriptive Physical Science: Introduction to Principles of Physical Science	5

Area 6 - Language Other Than English (UC requirement only)

Complete one course below, or the equivalent* or higher level language other than English course.

Language Other Than English proficiency is defined as two years of high school study in the same language, and may be satisfied with high school courses as well as additional options. See a counselor for more information.

CHIN 1B	Elementary Chinese	5
CHIN 2A	Intermediate Chinese	4
CHIN 2B	Advanced Chinese	4
FRNC 1B	Elementary French	5
FRNC 1B2	Elementary French 2	3
FRNC 2A	Intermediate French	4
FRNC 2B	Advanced French	4
JAPN 1B	Elementary Japanese	5
JAPN 2A	Intermediate Japanese	4
JAPN 2B	Advanced Japanese	4

SL 65	Intermediate Sign Language	3
SL 66	Advanced Sign Language	3
SL 67	Advanced II American Sign Language	3
SPA 1B	Elementary Spanish 1	5
SPA 1B2	Elementary Spanish 2	3
SPA 2A	Intermediate Spanish	4
SPA 2B	Advanced Spanish	4

Area 7 - Ethnic Studies

One course (3 units).

Courses not approved for Area 7 are not permitted.

ES 1	Introduction to Ethnic Studies	3
ES 4	Intro to Latinx Studies	3
ES 6	Intro to Pacific Islands and Oceania Studies	3
ES 42	Asian American History: 18th Century to 1945 (same as HIS 42)	3
ES 43	Asian American History: Early 20th Century - 21st Century (same as HIS 43)	3
ES 52	United States History from a Chicano Perspective I (same as HIS 52)	3
ES 53	United States History from a Chicano Perspective II (same as HIS 53)	3
ES 62	The African-American Experience in U.S. History Through the Civil War (same as HIS 62)	3
ES 63	The African American Experience in U.S. History From Reconstruction (same as HIS 63)	3
HIS 42	Asian American History: 18th Century to 1945 (same as ES 42)	3
HIS 43	Asian American History: Early 20th Century - 21st Century (same as ES 43)	3
HIS 52	United States History from a Chicano Perspective I (same as ES 52)	3
HIS 53	United States History from a Chicano Perspective II (same as ES 53)	3
HIS 62	The African-American Experience in U.S. History Through the Civil War (same as ES 62)	3
HIS 63	The African American Experience in U.S. History From Reconstruction (same as ES 63)	3

Total **82.0**



PSYCHOLOGY-COUNSELING (PSCN) COURSE UPDATES

2 Introduction to Case Management for Human Services 3 Units

(See also APHC 9711)

Introduction to case management theory, models and techniques. Multicultural issues affecting case management theory. Emphasis is placed on case management philosophy, ethical issues, concepts and practices. Analysis of needs, documentation and confidentiality and individualized client plan development. Analysis of inter-agency collaboration. Includes issues of monitoring an ongoing case management plan and maintaining client commitment to plan success. Designed to provide students with knowledge in case management theory implementation for Human Service, Social Work and/or Mental Health. May not receive credit if APHC 9711 has been completed successfully. 54 hours lecture. **Strongly Recommended:** PSCN 13 OR, PSCN 5 (same as APHC 9712) OR, PSCN 4.

10 Career and Educational Planning 2 Units

Exploration of the concept of career, educational and life planning focusing on personal career development through self-assessment. Emphasis on clarification of individual interests, values, needs, abilities and decision making styles, investigation of occupational opportunities in the world of work, and introduction to job search strategies, resume writing and interview skills. Designed for those undecided or uncertain about their career and educational plans. 36 hours lecture.

PHYSICS (PHYS)

PHYSICS (PHYS) COURSES

3A College Physics A 4 Units

Introduction to the major principles of classical mechanics using calculus for students studying life sciences and architecture. Includes: the scientific method and social responsibility of the scientist, Newtonian mechanics, energy, gravitation, fluids, thermodynamics, and vibration waves. 54 hours lecture, 54 hours laboratory. **Prerequisite:** MTH 1 or MTH 22 and MTH 15 (MTH 1 or MTH 15 can be taken concurrently.)

25 Computational Methods for Engineers and Scientists 3 Units

(See also ENGR 25, MTH 25)

Methodology and techniques for solving engineering/science problems using numerical-analysis computer-application programs MATLAB, SimuLink, MuPad, and EXCEL. Technical computing and visualization using MATLAB software. Examples and applications from applied-mathematics, physical-mechanics, electrical circuits, biology, thermal systems, fluid systems, and other branches of science and engineering. May not receive credit if Engineering 25 or Math 25 has been completed. 36 hours lecture, 54 hours laboratory. **Prerequisite:** MTH 1 (completed with a grade of "C" or higher)

SHEETMETAL (SHEE)

SHEETMETAL (SHEE) COURSE UPDATES

9701 Level I Sheet Metal/HVAC (A) 3 Units

This course is an introduction the Sheet Metal and Heating, Ventilation and Air Conditioning (HVAC) trades. Topics include the tools of the trade, safety practices, trade mathematics, blueprints and drawings, and basic rigging. This course is designed for students planning a career in the Sheet Metal and HVAC fields. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9702 Level I Sheet Metal/HVAC (B) 3 Units

This course is a continuation of Sheet Metal and Heating, Ventilation and Air Conditioning (HVAC) trades at the introductory level. Topics include intermediate math, duct and air distribution theory and installation, welding concepts, insulation, and electricity related to the HVAC trade. This course is designed for students planning a career in the Sheet Metal and HVAC fields. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9703 Level II Sheet Metal/HVAC (A) 3 Units

This course is an intermediate level introduction to the concepts of cooling and sheet metal layout. Topics include layout and line development, mathematics and measurements used in the trade, bend allowances and triangulation. This course is designed for students planning a career in the Sheet Metal and Heating, Ventilation and Air Conditioning (HVAC) fields. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9704 Level II Sheet Metal/HVAC (B) 3 Units

This course is an intermediate study of heating and metering for the Sheet Metal and Heating, Ventilation and Air Conditioning (HVAC) trades. Topics include basic electronics, metering devices, compressors, heat pumps, and leak detection, evacuation, recovery, and charging. This course is designed for students planning a career in the Sheet Metal/HVAC fields. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9705 Level III Sheet Metal/HVAC (A) 3 Units

This course is an intermediate level study of blueprints and specifications for Heating, Ventilation and Air Conditioning (HVAC) ductwork. Topics include Sheet Metal and Air Conditioning Contractors of North America (SMACNA) Manuals, duct and fabrication standards, gutters and downspouts, roof flashing, and principles of air flow. This course is designed for students majoring in the sheet metal and HVAC fields. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.



NEW, CORRECTED, AND MODIFIED COURSE LISTING, SHEE, SPA

9706 Level III Sheet Metal/HVAC (B)

3 Units

This course is an advanced study of blueprint reading and system design for the sheet metal and Heating, Ventilation and Air Conditioning (HVAC) trades. Topics include indoor air quality, types of duct systems, and field measuring and fitting. This course is designed for students majoring in the sheet metal and HVAC trades. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9707 Level IV Sheet Metal/HVAC (A)

3 Units

This course covers advanced Heating, Ventilation and Air Conditioning (HVAC) and Sheet Metal applications. Topics include system start-up and shut-down, commercial and industrial refrigeration systems, hydronic heating and cooling systems, and how to design fume and exhaust systems per Occupational Safety and Health Administration (OSHA) and American Conference of Governmental Industrial Hygienists (ACGIH) standards. This course is designed for students planning a career in the Sheet Metal and HVAC fields. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

9708 Level IV Sheet Metal/HVAC (B)

3 Units

This course covers advanced Heating, Ventilation and Air Conditioning (HVAC) troubleshooting and Sheet Metal roofing. Topics include troubleshooting and repair of gas and electric heating systems, cooling systems, heat pumps, and electronic controls, as well as system balancing. Sheet Metal topics include metal roof system applications and installation. This course is designed for students planning a career in the Sheet Metal and HVAC fields. Student must be a registered State indentured apprentice. 36 hours lecture, 54 hours laboratory.

SPANISH (SPA)

Degrees

AA Spanish

Certificate of Achievement

Spanish

SPANISH

Associate in Arts

Correction: ENGL 22, ES 52, HIS 52, ES 53, HIS 53 course title update

This program includes four semesters of thorough linguistic and cultural training in Spanish, along with courses that shed light on Mexico's and the Spanish-speaking world's role in history, art, the humanities, and our own contemporary society. Spanish is one of the world's most influential languages and there are opportunities for working in many industries where knowledge of Spanish is considered valuable. Many majors at four-year universities have foreign language requirements that would be satisfied with the language courses in this degree program. Courses offered in this program may also meet some general education and/or transfer requirements.

Program Learning Outcomes

1. Demonstrate proficiency in understanding and using, orally, the grammatical structures presented and vocabulary assigned
2. Demonstrate proficiency in understanding and using, in writing, the grammatical structures presented and vocabulary assigned

Required Core		Units
SPA 1A	Beginning Spanish or	5
SPA 1A1	Beginning Spanish 1 and	3
SPA 1A2	Beginning Spanish 2	3
SPA 1B	Elementary Spanish 1 or	5
SPA 1B1	Elementary Spanish 1 and	3
SPA 1B2	Elementary Spanish 2	3
SPA 2A	Intermediate Spanish	4
SPA 2B	Advanced Spanish	4
SERV 5A	Service Learning for World Languages: Beginning	2



Options

A minimum of 18 units is required in major courses. Allowable course substitutions in place of lower level language courses are below:

ENGL 22	Mexican American/Latinx Literature of the U.S.	3
SOCI 3	Introduction to Race and Ethnicity	3
PSCN 13	Multicultural Issues in Contemporary America	3
ES 1	Introduction to Ethnic Studies	3
ES 4	Intro to Latinx Studies	3
ES 52	United States History from a Chicano Perspective I (same as HIS 52) or	3
HIS 22	Mexican American History and Culture or	3
HIS 53	United States History from a Chicano Perspective II (same as ES 53) or	3
ES 53	United States History from a Chicano Perspective II (same as HIS 53)	3
SERV 5B	Service Learning for World Languages: Intermediate 2	
SERV 5C	Service Learning for World Languages: Advanced Intermediate	2
SERV 5D	Service Learning for World Languages: Advanced	2

Major Requirements	18-22 units
General Education	25 units
Electives	Degree applicable units as needed
Total	60 minimum degree applicable units

SPANISH

Certificate of Achievement

Correction: ENGL 22 and SOCI 3 course title update

Chabot’s Spanish Certificate of Achievement is designed to prepare students with knowledge, skills, and academic accomplishment in the Spanish language and provide prospective employers with documented evidence of language proficiency. The certificate consists of 4 classes with no prerequisites to begin the program. Classes are available online and on-campus. The certificate can be earned either on campus or fully online. All classes within the program will also apply toward an AA degree in Spanish. Each course must be completed with a final grade of C or higher or Pass.

Career Opportunities

US Census indicates that as of 2017 the Hispanic population of the United States is 58.9 million making people of Hispanic origin the nation’s largest ethnic or racial minority. Hispanics constituted 18.1 percent of the nation’s total population. By learning Spanish, the student will be better able to communicate with Spanish speakers in the United States or abroad. In addition, Latin American countries are our most important trading partners. Being able to speak Spanish greatly enhances a resume and as bilingual the student could be more

competitive in the workplace. The ability to understand Spanish will enable the student to gain important insights which monolinguals cannot. This certificate is developed to prepare students for this growing need in the job market and to provide the Spanish language and cultural competency needed for career opportunities in the fields of education, health care, social work, law enforcement, government, interpretation/translation, tourism, banking and finance, sales, customer service, management, human resources, transportation, library services, and other relevant fields. Furthermore, students seeking foreign language proficiency for admissions to programs such as nursing and dental could also benefit from this certificate as it certifies the accomplishment and knowledge of the language.

Program Learning Outcomes

1. Demonstrate proficiency in understanding and using, orally, the grammatical structures presented and vocabulary assigned
2. Demonstrate proficiency in understanding and using, in writing, the grammatical structures presented and vocabulary assigned

Required Core		Units
SPA 1A	Beginning Spanish or	5
SPA 1A1	Beginning Spanish 1 and	3
SPA 1A2	Beginning Spanish 2	3
SPA 1B	Elementary Spanish 1 or	5
SPA 1B1	Elementary Spanish 1 and	3
SPA 1B2	Elementary Spanish 2	3
SPA 2A	Intermediate Spanish	4
SPA 2B	Advanced Spanish	4

Advanced students starting Spanish language courses at the 1B or 2A level, must complete a minimum of 16 units to earn the certificate. Advanced students may use courses from the options list to meet the total units required.

A minimum of 16 units is required in major courses. Allowable course substitutions in place of lower level language courses are below:

ENGL 22	Mexican American/Latinx Literature of the U.S.	3
SOCI 3	Introduction to Race and Ethnicity	3
PSCN 13	Multicultural Issues in Contemporary America	3
HIS 22	Mexican American History and Culture	3
SERV 5A	Service Learning for World Languages: Beginning	2
SERV 5B	Service Learning for World Languages: Intermediate 2	
SERV 5C	Service Learning for World Languages: Advanced Intermediate	2
SERV 5D	Service Learning for World Languages: Advanced	2

Total		18-20
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THEATER ARTS (THTR)

THEATER ARTS (THTR) COURSE CORRECTIONS

47C College Theater Acting: Intermediate **3 Units**

Correction: unit correction, course is 3 units not 9 units.

This is a continuation of THTR 47B. for furthering a student's skill as an actor in a college production. Emphasis in this course will be on effective rehearsal techniques, generous responses, and ensemble building. 162 hours laboratory. **Prerequisite:** THTR 47B.

47D College Theater Acting: Advanced **3 Units**

Correction: unit correction, course is 3 units not 9 units.

This is a continuation of THTR 47C, where students further develop their skills as actors in a college production. This course will emphasize the polish in performance, the evaluation of one's work and the development of a personal, creative process. 162 hours laboratory. **Prerequisite:** THTR 47C.

WOMEN'S STUDIES (WMST)

Certificate of Achievement

Women's Studies

WOMEN'S STUDIES

Certificate of Achievement

The Women's Studies program offers students an understanding of gender, socialization and women's experiences across cultures; knowledge of women's literary, political, and historical achievements; strategies for improving communication; and promoting healthy behaviors in our personal, social, and work lives. The program includes experiential learning through a service-learning requirement.

Career Opportunities

Students who complete a cross-disciplinary course of study that focuses on women's experiences often pursue careers in the social justice field. Possible career paths include education, law, non-profit organizations, public health, and social service agencies.

Program Learning Outcomes

1. Examine the process of gender socialization.
2. Analyze sexism in conjunction with other forms of oppression such as racism, homophobia/heterosexism, classism, ageism, transphobia.
3. Distinguish women's experiences across cultures.
4. Examine women's political, historical, and literary achievements
5. Demonstrate healthy behaviors in personal, social and work lives
6. Apply strategies for improving communication
7. Obtain work experience in programs that serve women and girls

Required Core

	Units
SERV 85A Learning in Action: Beginning	1

List A (choose five courses)

	Units
COMM 12 Gender, Sexual Identity, and Communication	3
ENGL 31 Introduction to Queer Literature	3
ENGL 32 U.S. Women's Literature	3
ES 7 Women of Color in the United States: Introduction to Race, Gender, and Sexuality Studies	3
HLTH 4 Women and Health	3
HIS 48 U. S. Women's History Through Reconstruction	3
HIS 49 U.S. Women's History Post-Reconstruction	3
POSC 35 Politics of Race and Gender: History, Governance, and Public Policy	3
SOCI 6 Introduction to Gender	3

Total	16.
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WORK EXPERIENCE (WEXP)

WORK EXPERIENCE (WEXP) COURSE UPDATES

95 Work Experience **1-6 Units**

This course of supervised employment provides students with the opportunity to earn college credit while working and developing desirable work habits, attitudes, and skills. Students working in any part-time or full-time, paid or unpaid position will contract, in collaboration with their work supervisor and instructor, to set measurable, achievable goals; accomplish new or expanded learning objectives; and broaden work skills and experiences. The work experience need not be related to the students' educational goals. Students can earn 1 to 6 units per semester for a maximum of 16 units of Cooperative Work Experience, which includes General Work Experience and Occupational Work Experience/Internship. Students must work 75 paid hours or 60 unpaid hours per unit earned during the semester. 60-360 unpaid work experience hours or 75-450 paid work experience hours.) **Corequisite:** WEXP 96.

Photography Credit

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CHABOT

COLLEGE

Chabot College is a learning-centered institution with a culture of thoughtfulness and academic excellence, committed to creating a vibrant community of life-long learners.

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