

ADDENDUM



CONTRA
COSTA
COLLEGE

2019-20 CATALOG

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GENERAL EDUCATION BUILDING



Revised

2019-2020 Catalog Sections

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2019-2020 CATALOG ADDENDUM

CHAPTER 2 CHANGES

The following Academic Renewal without Course Repetition text replaces all the former Academic Renewal text on pages 34 and 35.

Academic Renewal without Course Repetition

The Contra Costa Community College District has adopted the following procedures, pursuant to Title 5, Section 55046, which permits students to alleviate previously recorded substandard grades (defined as "D," "F" or "NC/NP") which are not reflective of a student's demonstrated academic ability. The procedures must:

1. not conflict with Education Code Section 76224, pertaining to finality of grades assigned by instructors, and Title 5, Sections beginning with 59020 to 59033 pertaining to the retention and destruction of records;
2. allow up to 30 units to be alleviated. Courses within the District can be combined up to the maximum of 30 units, however each college will adjust units on its own transcript;
3. require that a student has completed either:
 - a. 9 units of work with a 3.5 cumulative grade point average;
 - b. 12 units of work with a 3.0 cumulative grade point average;
 - c. 15 units of work with a 2.5 cumulative grade point average;or
 - d. 20 units of work with a 2.0 cumulative grade point average.The unit count begins the semester after the last substandard grade was received. The course work upon which the application for alleviation is based, may have been completed within the Contra Costa Community College District or any other regionally accredited college or university.
4. allow upper division course work to meet the unit and GPA requirement for alleviation;
5. require that the student must have a minimum 2.0 GPA subsequent to the course work to be alleviated;
6. a minimum of one semester must have elapsed since the substandard grades were earned;
7. identify any courses or categories of courses, if any, which are exempt from consideration;
8. be exempt from consideration and are courses that have already been removed from the student's GPA by course repetition;
9. course work alleviated will be disregarded in the computation of the grade point average; or
10. when academic work is alleviated from the computation of the grade point average, the student's permanent academic record shall be properly annotated in a manner to ensure that all entries are legible and provide a true and complete record of academic history.

Students must meet with a counselor to review options to Academic Renewal. Academic Renewal cannot be reversed once you have elected this option. If qualified for Academic Renewal for courses taken in multiple colleges in the district, must complete the Petition for Academic Renewal Form, using one form per college, obtain a counselor's signature, and turn it in to Admissions and Records at any college within the District. If the student is using non-District courses to qualify for the satisfactory work completed and required cumulative GPA, official transcripts must be on file in Admissions and Records prior to petitioning for Academic Renewal.

CHAPTER 4 CHANGES DEGREE CHANGES

Note that Nursing changes are effective Fall 2019.

Nursing

Program Description

The curriculum for the Associate in Science in Nursing degree is four semesters or two years in length. It requires prerequisites in science and general education. Admission into the nursing program is competitive. Students seeking to apply are encouraged to enroll in the designated prerequisite/general education courses that are required to graduate from the RN program. The application for admission is available on the Contra Costa College nursing program web page or may be obtained from the Admissions and Records Office (phone 510-215-6027). Please refer to the current nursing program bulletin for prerequisite requirements, deadline dates, GPA requirements, application process and selection process. No material will be accepted after the deadline dates.

A grade of 75% or better is required in each course of the nursing program in order to progress in the program and to graduate. Applicants who qualify for admission and who possess a current clear California license as Vocational Nurses (LVN)/Practical Nurses (LPN) or Psychiatric Technicians (LPT) may apply for advanced placement. Advanced placement admission is based on space availability. For further information, visit the nursing program web page or call the Nursing Department office at 510-215-4103. The LVN/LPN to RN pathway for California Licensed Vocational Nurses requires successful completion of all prerequisites with the required GPA, the second-year RN curriculum, and General Education requirements. Admitted LVN/LPN advanced placement students with a current clear CA license will enter into the second year of the program. The LPT to RN pathway for California Licensed Psychiatric Technicians requires successful completion of all prerequisites with the required GPA, three semesters of the RN curriculum, and General Education requirements. Admitted LPT advanced placement students with a current clear CA license will enter into the second semester of the program.

Only students formally admitted may enroll in the registered nursing courses. Students who successfully complete the nursing program are qualified to apply to the State Board of Registered Nursing to take the exam (NCLEX-RN) for licensure as a Registered Nurse. An Associate in Science degree may be earned by completing a minimum of 60 units of degree credit coursework, including the breadth requirements, with a minimum grade point average of 2.0. Students must complete all courses for the major with a grade of C or better.

Some Possible Careers

Registered nurse, occupational health nurse, school nurse, community health nurse, public health nurse, infection control nurse, nurse practitioner, nurse anesthetist, nurse educator, home health care nurse.

Program Student Learning Outcome Statement:

Upon successful completion of this program, students will be able to:

- Students who complete the program will be eligible to take the National Council Licensure Examination Registered Nurse (NCLEX-RN) and, having passed, earn the title of Registered Nurse and be qualified for an entry level position in health care facilities.

Prerequisite Courses:**Group A Courses: (Minimum cumulative GPA of 2.75)**

- 4 units Human Anatomy
- 4 units Human Physiology
- 4 units Microbiology
- 3 units English Composition & Reading, or Critical Thinking & Advanced Composition, or Critical Thinking through Literature
- 2 units Drug Dosage Calculations
- 2 units Pharmacology for Nurses

Group B Courses: (Minimum cumulative GPA of 3.0)

- 3 units Introduction to Sociology, or Cultural Anthropology
- 3 units Psychology of Personality and Growth, or General Psychology
- 3 units Public Speaking, or Critical Thinking and Persuasion, or Interpersonal Communication
- 3 units Child Development, or Life Span Development

Associate in Science Degree**Nursing 24.30 - 48.90 Units**

An Associate in Science Degree may be earned by completing a minimum of 60 units of degree credit coursework, including the breadth requirements with a minimum grade point average of 2.0. Students must complete all courses for the major with a grade of 75% or better.

Required courses, with suggested sequence:***1st semester**

- 12 units NURS-210 Fundamentals of Nursing
- .6 units NURS-211 Developing Competency in Nursing Practice

* or Licensed Vocational Nurse/Practical Nurse {LVN/LPN} or Licensed Psychiatric Technician {LPT} and admission to the Nursing program.

****2nd semester**

- 11 units NURS-235 Maternal-Child Health Nursing
- and
- 1 unit NURS-236 Developing Competency in Nursing Practice
- or
- 11 units NURS-255 Intermediate Medical Surgical and Psychiatric Nursing
- and
- 1 unit NURS-256 Developing Competency in Nursing Practice

** or Licensed Vocational Nurse/Practical Nurse {LVN/LPN} and admission to the Nursing program.

3rd semester

Basic Nursing/LPT Student - Choose whichever set of courses was not taken during 2nd Semester. LVN/LPN to RN transition students - Enroll in NURS-255 and NURS-256 only

- 11 units NURS-235 Maternal-Child Health Nursing
- and
- 1 unit NURS-236 Developing Competency in Nursing Practice
- or

- 11 units NURS-255 Intermediate Medical Surgical and Psychiatric Nursing
- and
- 1 unit NURS-256 Developing Competency in Nursing Practice

4th semester

- 12 units NURS-275 Gerontological/Medical Surgical Nursing
- .3 unit NURS-276 Developing Competency in Nursing Practice

NEW COURSES

Computer Science (COMP)

COMP-112 Introduction to Programming

4 Units: 54 hours of lecture, 54 hours of laboratory, per term, LR, DG, CSU

This course introduces students to programming concepts emphasizing modular design and development of programs, coding style, documentation, debugging and testing. All control structures and data types of a commonly used language are covered.

COMP-165 Advanced Programming with C and C++

4 Units: 54 hours of lecture, 54 hours of laboratory, per term, LR, DG, CSU

Prerequisite: COMP-112

The course emphasizes programming techniques using C and C++ languages. The syntax of C will be reviewed, then advanced topics such as string processing, pointers, links lists, queues, stacks, and dynamic memory allocation will be covered.

COMP-200 Object Oriented Programming C++

4 Units: 54 hours of lecture, 54 hours of laboratory, per term, LR, DG, CSU

Prerequisite: COMP-165

This course provides detailed coverage of the concepts and syntax of the C++ language. Coverage includes inheritance, overloaded operators, overloaded default operators, virtual functions, memory management, files, streams, templates, and exceptions.

COMP-210 Program Design and Data Structures

4 Units: 54 hours of lecture, 54 hours of laboratory, per term, LR, DG, CSU

Prerequisite: COMP-165

Advisory: COMP-200

This course presents techniques relevant to program design and selection of data structures for larger programs. Topics include design techniques, effective use of recursion, algorithmic efficiency and O-notation, linked lists, binary trees, B-trees, graphs, sorting and searching techniques. Extensive programming of a variety of data structures is practiced.

COMP-265 Assembly Language Programming/Computer Organization

4 Units: 54 hours of lecture, 54 hours of laboratory, per term, LR, DG, CSU

Prerequisite: COMP-165

This course covers the basics of machine architecture, machine language, assembly language, operating system interface, and interfacing with high level languages. Topics include data representation, instruction representation and execution, addressing, indexing, macros, subroutine linkages, storage and time efficiency issues, interrupt descriptor tables, virtual memory, cache memory, and dynamic address translation.

English (ENGL)

ENGL-800N College Reading and Writing Skills Support

Noncredit: 9-27 laboratory hours, per term, P/NP/SP

Corequisite: ENGL-001A or ENGL-001AX

This non-credit laboratory course offers intensive one-on-one conference instruction in college reading and writing skills for students enrolled in ENGL-001A and ENGL-001AX. English faculty will review reading and writing strategies (as needed) to reinforce skills taught in ENGL-001A and ENGL-001AX to help further students' ability to succeed in ENGL-001A and ENGL-001AX.

English as a Second Language (ESL)

ESL-810N ESL Skills Support

Noncredit, 5-60 hours of lab, per term

This course provides support for students enrolled in ESL courses. ESL faculty help students identify areas for improvement and develop effective study skills.

ESL-811N Digital Tools for ESL Students

Noncredit, 24 hours of lecture, per term

This course provides instruction in basic computer skills for ESL students. It focuses on relevant skills for academic and professional success.

Industrial Technology (INTEC)

INTEC-801N Warehouse Operations

Noncredit, 72 hours of lecture, per term

This course is an introduction to warehouse operations including facility location and operation, security, materials handling, inventory management, and productivity improvement and measurement.

INTEC-802N Forklift Operations

Noncredit, 6 hours of lecture, 42 hours of laboratory, per term

This course is designed to prepare students for employment as forklift operators. Course content covers forklift driving with training in forklift operation, workplace safety, and daily maintenance practices. Training is provided in accordance with Cal OSHA standards.

Music (MUSIC)

MUSIC-272 Vocal Duet and Trio Ensemble

1-3 Units: 18-36 hours of lecture, 0-18 hours of laboratory, 0-54 hours of lab by arrangement, per term, SC, DG, CSU

This course offers the study and performance of vocal duet and trio literature, and provides an opportunity for the intermediate/advanced vocal student to grow musically through experiencing small ensemble literature and performance.

Physics (PHYS)

PHYS-101 Preparation for Physics

2 Units: 36 hours of lecture, per term, P/NP, DG, CSU

Corequisite: MATH-171, or the equivalent with strong algebra and basic trigonometry skills.

Advisory: This course is highly recommended and ideally taken before PHYS-120 or PHYS-130. It may also be taken concurrently.

This course builds all the fundamentals for problem solving in physics including problem solving steps, visualizing, sketching, labeling, units and an intuition for amounts, and mathematics (ratios, graphs, algebra, trigonometry, and vectors). Kinematics analysis and force analysis provide the bulk of the context. Momentum and energy analysis may also be touched upon.

REVISED COURSES

Automotive Services (AUSER)

Note Changes: Updated description, course hours, repeatability details

AUSER-099 Occupational Work Experience

1-4 Units: 60-300 hours of work experience, per term, SC, DG, CSU

This course will allow students to earn college units for their general work experience during the semester. Students' work experience must be related to a major in Automotive Collision Repair Technology. With the collaboration of student, instructor, and worksite supervisor, the student will learn new skills and/or knowledge about her/his job and improve work performance. Work experience can be paid or non-paid. Petition to repeat may be possible. Please note that a combined maximum of 16 units of Occupational Work Experience Education (COOP-170 and/or any -099 course number), and General Work Experience Education (COOP-160) may be earned.

Biology (BIOSC)

Note Changes: Added laboratory hours

BIOSC-157 Foundations in Biotechnology

2 Units: 36 hours of lecture, 18 of hours laboratory per term, LR, DG, CSU (C-ID: BIOT 150 BX)

Corequisite: BIOSC-159

Advisory: BIOSC-172L

This course is designed to provide students wanting to enter the field of biotechnology with a solid foundation in the chemical, biochemical, microbiological, mathematical, bioinformatic, and regulatory concepts used in biotechnology labs. Students practice laboratory calculations, design and analyze experiments and become familiar with the documentation and practices important for working in a regulated environment (laboratory notebooks, QA/QC, SOP's, cGMP). Good communication and work-readiness skills are emphasized.

Note Changes: Removed prerequisite, added advisories.

BIOSC-183 Mammalian Cell Culture

2 Units: 18 hours of lecture and 54 hours of laboratory, per term, LR, DG, CSU (C-ID: BIOT 230 BX)

Advisory: BIOSC-159, BIOSC-172L, or Science lab course with skills in measurement, attention to protocol, and documentation of data

This course is designed to prepare students for employment as cell culture technicians. Students will learn aseptic techniques, how to work in a cell culture hood, how to compose mammalian cell culture media and the function of each medium component, how to use a hemacytometer and vital staining to count cells and determine viability, how to passage cells, and how to cryopreserve cell cultures. In addition, students will be introduced to concepts of stem cell research, including multi-potent and totipotent cell lines.

Note Changes: Removed prerequisite, added advisories.

BIOSC-186 Protein Purification and Analysis

2 Units: 18 hours of lecture and 54 hours of laboratory, per term, LR, DG, CSU (C-ID: BIOT 220 BX)

Advisory: BIOSC-159, BIOSC-172L, BIOSC-147, or Science lab course with skills in measurement, attention to protocol, and documentation of data

This course will teach students how sample preparation, protein separation and purification, column chromatography, large-scale recovery, and use of assays for recovery analysis are studied. Students practice isolating a specific protein from a complex cell lysate using affinity and other forms of chromatography, and analyze the results by qualitative and quantitative protein assays. The size and purity of the isolated protein are analyzed by SDS-Polyacrylamide Gel Electrophoresis (SDS-PAGE). Application of current Good Manufacturing Process (cGMP), Good Laboratory Practice (GLP), and Standard Operating Procedures (SOP's) in relation to these techniques will be addressed.

English (ENGL)

Note Changes: Added prerequisite option.

ENGL-001C Critical Thinking and Advanced Composition

3 Units: 54 hours of composition, per term, LR, DG, CSU, UC (C-ID: ENGL 105)

Prerequisite: ENGL-001A or ENGL-001AX

This course is designed to develop critical thinking, reading and writing skills beyond the level of ENGL-001A. Students will develop advanced essay writing skills with emphasis on argumentation and analysis. Varied cultural perspectives and the specialized critical concerns needed to understand, analyze, and evaluate these perspectives will be stressed.

Note Changes: Added prerequisite option.

ENGL-002B Critical Thinking through Literature

4 Units: 72 hours of lecture, per term, LR, DG, CSU, UC

Prerequisite: ENGL-001A or ENGL-001AX

This course offers instruction in analytical, critical and argumentative writing, critical thinking, research strategies, information literacy, and proper documentation through the study of literary works from major genres, while developing students' close reading skills and promoting an appreciation for the aesthetic qualities of literature.

English as a Second Language (ESL)

Note Changes: Updated description

ESL-143 English Fluency and Vocabulary I

4 Units: 72 hours of lecture, per term, SC, ND

Advisory: Appropriate score on ESL Placement Test.

This course develops English fluency and vocabulary through extensive reading at the high-beginning level. It provides instruction in contextualized reading strategies to facilitate reading comprehension.

Medical Assisting (MEDIC)

Note Changes: Updated course title and description

MEDIC-210 Medical Law and Ethics

3 Units: 54 hours of lecture, per term, LR, DG, CSU

This course introduces medical law, including legal relationships of physician and patient; creation and termination of a contract; and professional liability.

Note Changes: Updated course title and prerequisites to reflect new MEDIC course numbering

MEDIC-226 Clinical Practicum Experience I

4 Units: 9 hours of lecture, 189 hours of laboratory by arrangement, per term, LR, DG, CSU

Prerequisite: MEDIC-150, 205, 206, 208, 209, 235, 236, and BIOSC-132

This course is the first in a sequence of two courses offered to provide practical experience as a medical assisting student under supervision in clinics and medical offices. Departments in participating healthcare sites include areas such as: OB-GYN, Surgery, GI Special Procedures, Adult Medicine, and Pediatrics. The lab portion of this course requires students to attend 16 hours per week at a healthcare facility under the supervision of the clinical supervisor/staff. The lecture portion of this course consists of a seminar to coordinate and discuss the assigned activities performed at these sites.

Music (MUSIC)

Note Changes: Updated course description

MUSIC-130 Home Recording Studio

3 Units: 54 hours of lecture, per term, SC, DG, CSU

This course will provide a functional working knowledge of small studio multi-track recording, and will include recording techniques, computer-assisted recording through sequencing, digital sound processing, and tape-to-sequence synchronization techniques.

Note Changes: Updated course description

MUSIC-158 Beginning Guitar

1.5-2 Units: 18 hours of lecture, 27-54 hours of laboratory, per term, SC, DG, CSU, UC

This course is designed for the beginning guitar student with little or no musical experience. This course is also recommended for the non-reading player interested in learning how to read music on the guitar. It introduces basic open position chords and strumming, scales and cadences, single note reading across all six strings in the first position (first 4 frets), beginning classical technique with simple two-part texture in easy keys, beginning arpeggios, popular and folk song accompaniment, and how to read a "fake chart", as well as basic first position keys and chords and harmonization.

Note Changes: Updated non-course requisite comment

MUSIC-167 Vocal Chamber Music: CC Singers

1-5 Units: 18-54 hours of lecture by arrangement, 0-108 hours of laboratory by arrangement, per term, SC, DG, CSU, UC (C-ID: MUS 180)

Prerequisite: MUSIC-163 or Audition for director demonstrating entrance-level skills.

This course introduces the vocal chamber ensemble skills needed to become a music major. Musicians will study and perform vocal ensemble music in both small and large group settings. Repertoire will include literature spanning musical periods from Renaissance to classical contemporary compositions. Students wishing to pursue an Associate in Arts for Transfer degree must register for 1 unit each semester for 4 semesters.

Note Changes: Updated course description

MUSIC-170 Beginning Group Voice

1-3 Units: 18-36 hours of lecture, 18-36 hours of laboratory, 0-36 hours of laboratory by arrangement, per term, SC, DG, CSU, UC

This course provides vocal instruction in tone production, breathing, placement and song interpretation.

Note Changes: Updated course description and advisory course

MUSIC-222 Music Theory and Musicianship IV

4 Units: 54 hours of lecture, 54 hours of laboratory, per term, SC, DG, CSU, UC (C-ID: MUS-140; C-ID: MUS-145)

Prerequisite: MUSIC-121 or challenge exam for MUSIC-121.

Advisory: MUSIC-151A

This course incorporates the concepts from Music Theory & Musicianship II. In addition, through writing and analysis, the course will include: introduction to chromatic harmony; secondary/ applied chords; modulation; borrowed chords; introduction to Neapolitan and augmented-sixth chords, and large formal structures. This course applies and develops the rhythmic, melodic, and harmonic materials through ear training, sight singing, analysis, and dictation.

Note Changes: Updated course description and advisory course

MUSIC-223 Music Theory and Musicianship V

4 Units: 54 hours of lecture, 54 hours of laboratory, per term, SC, DG, CSU, UC (C-ID: MUS-150; C-ID: MUS-155)

Prerequisite: MUSIC-222

Advisory: MUSIC-151B

This course incorporates the concepts from Music Theory and Musicianship III. In addition, through writing and analysis, the course will include: post-Romantic techniques such as borrowed chords and modal mixture, chromatic mediants, Neapolitan and augmented-sixth chords, 9th, 11th, and 13th set chords, altered chords and dominantes; and 20th century techniques such as: Impressionism, tone rows, set theory, pandiatonicism and polytonalism, meter and rhythm. This course applies and develops rhythmic, melodic, and harmonic materials through ear training, sight singing, analysis, and dictation.

Note Changes: Increased maximum units and hours changed to 'hours by arrangement'

MUSIC-195A Instrumental Skills Development

.5-5.5 Units: 9-54 lecture hours by arrangement, 0-135 lab hours by arrangement, per term, SC, DG, CSU

This course is designed to provide students multiple approaches to instrumental and musicianship skill development through special study formats not offered in Contra Costa College music classes. This course component concentrates on instrumental skills.

Note Changes: Increased maximum units and hours changed to 'hours by arrangement'

MUSIC-195B Musicianship Skills Development

.5-5.5 Units: 9-54 lecture hours by arrangement, 0-135 lab hours by arrangement, per term, SC, DG, CSU

This course is designed to provide students multiple approaches to instrumental and musicianship skill development through special study formats not offered in Contra Costa College music classes. This course component concentrates on musicianship skills.

Note Changes: Increased maximum units and hours changed to 'hours by arrangement'

MUSIC-195C Pedagogy Skills Development

.5-5.5 Units: 9-54 lecture hours by arrangement, 0-135 lab hours by arrangement, per term, SC, DG, CSU

This course is designed to provide students multiple approaches to instrumental and musicianship skill development through special study formats not offered in Contra Costa College music classes. This course component concentrates on pedagogy training.

Note Changes: Increased maximum units and hours changed to 'hours by arrangement'. Updated course description.

MUSIC-195D Clinics, Seminars and Workshop Skills Development

.5-5.5 Units: 9-54 lecture hours by arrangement, 0-135 lab hours by arrangement, per term, SC, DG, CSU

This course is designed to provide students multiple approaches to instrumental and musicianship skill development through special study formats not offered in Contra Costa College music classes. This course component concentrates on specialized short-term projects for clinics, seminars and workshops on/off campus.

Note Changes: Updated course description

MUSIC-854N Music Community Symphonic Wind Ensemble
Noncredit, 108 hours of lab, per term

This course is for those interested in the study, rehearsal and performance of music composed for the Symphonic Wind Ensemble. In this course music will be selected from Baroque through 21st century repertoire. Rehearsals will lead to participation in public performances. May be repeated indefinitely.

DEACTIVATED COURSES

AUSER-152 Brake Adjuster

AUSER-190 Automotive Electrical Systems II

AUSER-208 Level I Smog Inspector

AUSER-209 Level II Smog Inspector

ESL-107 Drop-in ESL Tutoring

ESL-109 Writing Skills Laboratory

ESL-114 Intermediate-High English Communication

ESL-118 Advanced English Communication

HHS-100 Substance Abuse Counseling

HHS-100J Environmental Health and Justice

HHS-100L Emotional Intelligence

HHS-108 Stress Management and Handling Burnout

HHS-212 Cultural Aspects – Health Care

MEDIC-151 Medical Terminology II

MEDIC-224 Communication Skills Healthcare for the Provider

NEW PROGRAMS

Liberal Arts

Certificate of Achievement

CSU General Education Breadth..... 36-53 Units

These courses emphasize the development of strong critical thinking skills and analytical abilities necessary to provide a successful transition to upper division coursework at a four-year college or university. Students will demonstrate strong communication skills both verbally and in writing. Students will also apply critical thinking skills to better understand and solve complex problems using a variety of perspectives. The strength of this program is the variety of disciplines in which students will demonstrate their knowledge including English, Mathematics, Communication, Social Science, Physical/Biological Sciences, Arts and Humanities. A Certificate of Achievement may be earned by completing a minimum of 36 units of degree credit coursework with a minimum grade point average of 2.0.

Courses required for the major/certificate:

AREA A1: Oral Communication

Complete one course with a grade of C- or better:

ESL-132

SPCH-120, SPCH-128, SPCH-141, SPCH-160B

If choosing SPCH-160B a total of 3 units must be completed to satisfy Area A1.

AREA A2: Written Communication

Complete one course with a grade of C- or better:

ENGL-001A, ENGL-001AX

AREA A3: Critical Thinking

Complete one course with a grade of C- or better:

ENGL-001C, ENGL-002B

PHILO-130

SPCH-121, SPCH-121I

AREA B1: Physical Science

Complete one course from this area:

ASTRO-120

CHEM-119, CHEM-120, CHEM-121, CHEM-226, CHEM-227

GEOG-120

GEOL-120

PHYS-110, PHYS-120, PHYS-120H, PHYS-121, PHYS-121H, PHYS-130,

PHYS-230, PHYS-231

Area B2: Life Science

Complete one course from this area:

ANTHR-140

BIOSC-110, BIOSC-119, BIOSC-132, BIOSC-134, BIOSC-145,

BIOSC-147, BIOSC-172

PSYCH-150

AREA B3: Laboratory Activity

If a course with a laboratory is already completed from area B1 or B2, then area B3 is not needed. Complete one course from the list below with a matching lecture course from area B1 or B2 if needed.

ANTHR-140L

BIOSC-159, BIOSC-172L

GEOG-120L

GEOL-120L

PHYS-110L

AREA B4: Mathematics/Quantitative Reasoning

Complete one course with a grade of C- or better:

MATH-121, MATH-135, MATH-164, MATH-170, MATH-171, MATH-180,
MATH-185, MATH-190,
MATH-191, MATH-200, MATH-290, MATH-292
SOCIO-234

AREA C1: Arts

Complete one course from this area:

AFRAM-112
ART-117, ART-118, ART-190, ART-191, ART-194
DRAMA-101, DRAMA-102, DRAMA-103, DRAMA-104, DRAMA-110,
DRAMA-126, DRAMA-165
ENGL-163
LARAZ-165
MUSIC-102, MUSIC-108, MUSIC-114, MUSIC-119, MUSIC-120,
MUSIC-121, MUSIC-130,
SPCH-142

AREA C2: Humanities

Complete one course from this area:

AFRAM-113, AFRAM-122, AFRAM-123, AFRAM-210
ANTHR-150
CHIN-120, CHIN-121
DRAMA-102, DRAMA-103, DRAMA-104, DRAMA-165
ENGL-002B, ENGL-163, ENGL-210B, ENGL-220B, ENGL-230B, ENGL-
250, ENGL-274, ENGL-293H
HIST-110, HIST-120, HIST-121, HIST-122, HIST-123, HIST-124, HIST-127,
HIST-140, HIST-141
HUMAN-113, HUMAN-120, HUMAN-180
JAPAN-120, JAPAN-121
LARAZ-127, LARAZ-130, LARAZ-165, LARAZ-190,
MUSIC-102
PHILO-101, PHILO-120, PHILO-130, PHILO-140, PHILO-150, PHILO-180
SPAN-120, SPAN-121, SPAN-220, SPAN-221
SPCH-122

Arts & Humanities/Area C-1 or Area C-2.

Complete one course from this area:

AFRAM-112, AFRAM-113, AFRAM-122, AFRAM-123, AFRAM-210
ANTHR-150
ART-117, ART-118, ART-190, ART-191, ART-194
CHIN-120, CHIN-121
DRAMA-101, DRAMA-102, DRAMA-103, DRAMA-104, DRAMA-110,
DRAMA-126, DRAMA-165
ENGL-002B, ENGL-163, ENGL-210B, ENGL-220B, ENGL-230B,
ENGL-250, ENGL-274, ENGL-293H
HIST-110, HIST-120, HIST-121, HIST-122, HIST-123, HIST-124, HIST-127,
HIST-140, HIST-141
HUMAN-113, HUMAN-120
JAPAN-120, JAPAN-121
LARAZ-127, LARAZ-130, LARAZ-165, LARAZ-190,
MUSIC-102, MUSIC-108, MUSIC-114, MUSIC-119, MUSIC-120,
MUSIC-121, MUSIC-130
PHILO-101, PHILO-120, PHILO-130, PHILO-140, PHILO-180
SPAN-120, SPAN-121, SPAN-220, SPAN-221
SPCH-122, SPCH-142

AREA D: Social Sciences

Complete 9 semester units from this area including at least three courses from a minimum of two disciplines:

ADJUS-120, ADJUS-121, ADJUS-135,
AFRAM-110, AFRAM-122, AFRAM-123, AFRAM-125, AFRAM-140,
AFRAM-210, AFRAM-225, AFRAM-228,
ANTHR-125, ANTHR-130, ANTHR-140, ANTHR-150,
ECHD-120, ECHD-121, ECHD-144, ECHD-220,
ECON-220, ECON-221,
GEOG-120, GEOG-130, GEOG-150, GEOG-160,
HED-110
HIST-110, HIST-120, HIST-121, HIST-122, HIST-123, HIST-124, HIST-127,
HIST-140, HIST-141
HUMAN-180
JRNAL-130
LARAZ-110, LARAZ-113, LARAZ-125, LARAZ-127, LARAZ-131, LARAZ-141
POLSC-125, POLSC-130, POLSC-140, POLSC-225
PSYCH-120, PSYCH-122, PSYCH-126, PSYCH-128, PSYCH-130,
PSYCH-132, PSYCH-140, PSYCH-150, PSYCH-170,
PSYCH-220, PSYCH-222
SOCIO-130, SOCIO-142, SOCIO-220, SOCIO-221, SOCIO-222,
SOCIO-225, SOCIO-245, SOCIO-250
SOCSC-140, SOCSC-141
SPCH-122

AREA E: Lifelong Learning and Self-Development

Complete 3 units from this area if needed:

Military Service: Veterans may fully satisfy this requirement by submitting a copy of their DD-214 (Certificate of Release or Discharge from Active Duty) to the Admissions and Records office.

COUNS-120
HED-120
KINES-199, KINES-201, KINES-205
PSYCH-118, PSYCH-120, PSYCH-128

Certificate of Achievement

Intersegmental General Education Curriculum

(IGETC) 34-54 Units

These courses emphasize the development of strong critical thinking skills and analytical abilities necessary to provide a successful transition to upper division coursework at a four-year college or university. Students will demonstrate strong communication skills both verbally and in writing. Students will also apply critical thinking skills to better understand and solve complex problems using a variety of perspectives. The strength of this program is the variety of disciplines with which students will demonstrate their knowledge within the areas of English, Mathematics, Social Science, Physical/Biological Sciences, Arts and Humanities.

A Certificate of Achievement may be earned by completing a minimum of 34 units of degree credit coursework with a minimum grade point average of 2.0.

AREA 1A: English Composition

Complete one course with a grade of C or better:

ENGL-001A, ENGL-001AX

Area 1B: Critical Thinking - Advanced Composition

Complete one course with a grade C or better:

ENGL-001C, ENGL-002B
SPCH-121I

AREA 1C: Oral Communication (for CSU transfer only)**Complete one course with a grade of C or better if needed:**

Area 1C is not required for UC transfer.

SPCH-120

AREA 2A: Mathematical Concepts and Quantitative Reasoning**Complete one course with a grade of C or better:**MATH-135, MATH-164, MATH-170, MATH-171, MATH-180, MATH-185,
MATH-190, MATH-191,
MATH-200, MATH-290, MATH-292
SOCIO-234**AREA 3A: Arts****Complete at least one course with a grade of C or better:**AFRAM-112
ART-117, ART-118, ART-190, ART-191, ART-194,
DRAMA-101, DRAMA-102, DRAMA-103, DRAMA-104, DRAMA-110,
DRAMA-126, DRAMA-165
ENGL-163
LARAZ-165
MUSIC-102, MUSIC-108, MUSIC-114, MUSIC-119, MUSIC-120,
MUSIC-121**AREA 3B: Humanities****Complete at least one course with a grade of C or better:**AFRAM-113, AFRAM-122, AFRAM-123, AFRAM-210
ANTHR-150
CHIN-121
DRAMA-102, DRAMA-103, DRAMA-104
ENGL-002B, ENGL-210B, ENGL-220B, ENGL-230B, ENGL-250, ENGL-
274
HIST-110, HIST-120, HIST-121, HIST-122, HIST-123, HIST-124, HIST-127,
HIST-140, HIST-141
HUMAN-113, HUMAN-120, HUMAN-180
JAPAN-121
LARAZ-127, LARAZ-130, LARAZ-190
MUSIC-102
PHILO-101, PHILO-120, PHILO-140, PHILO-150, PHILO-160, PHILO-180
SPAN-121, SPAN-220, SPAN-221
SPCH-122**Area 3A or 3B/Arts or Humanities****Complete one course from the list below with a grade of C or better:**AFRAM-112, AFRAM-113, AFRAM-122, AFRAM-123, AFRAM-210
ANTHR-150
ART-117, ART-118, ART-190, ART-191, ART-194,
CHIN-121,
DRAMA-101, DRAMA-102, DRAMA-103, DRAMA-104, DRAMA-110,
DRAMA-165,
ENGL-002B, ENGL-163, ENGL-210B, ENGL-220B, ENGL-230B, ENGL-
250, ENGL-274,
HIST-110, HIST-120, HIST-121,
HIST-122, HIST-123, HIST-124, HIST-127, HIST-140, HIST-141,
HUMAN-113, HUMAN-120
JAPAN-121
LARAZ-127, LARAZ-130, LARAZ-165, LARAZ-190
MUSIC-102, MUSIC-108, MUSIC-114, MUSIC-119, MUSIC-120,
MUSIC-121
PHILO-101, PHILO-120, PHILO-140, PHILO-180,
SPAN-121, SPAN-220, SPAN-221
SPCH-122**AREA 4: Social and Behavioral Sciences****Complete at least 9 semester units including at least three courses from a minimum of two disciplines. All courses must be completed with a grade of C or better:**ADJUS-120, ADJUS-135
AFRAM-110, AFRAM-122, AFRAM-123, AFRAM-140, AFRAM-210,
AFRAM-225, AFRAM-228
ANTHR-125, ANTHR-130, ANTHR-140, ANTHR-150
ECON-220, ECON-221
GEOG-130, GEOG-150, GEOG-160
HED-110
HIST-110, HIST-120, HIST-121, HIST-122, HIST-123, HIST-124, HIST-127,
HIST-140, HIST-141
HUMAN-180
JRNAL-130
LARAZ-110, LARAZ-113, LARAZ-125, LARAZ-127, LARAZ-131, LARAZ-141
POLSC-125, POLSC-130, POLSC-140, POLSC-225
PSYCH-120, PSYCH-122, PSYCH-126, PSYCH-128, PSYCH-130,
PSYCH-132, PSYCH-140, PSYCH-150, PSYCH-170,
PSYCH-220, PSYCH-222
SOCIO-130, SOCIO-142, SOCIO-220, SOCIO-221, SOCIO-222,
SOCIO-225, SOCIO-245, SOCIO-250
SOCSC-140, SOCSC-141
SPCH-122**AREA 5A: Physical Science****Complete one course with a grade of C or better:**ASTRO-120
CHEM-119, CHEM-120, CHEM-121, CHEM-226, CHEM-227
GEOG-120
GEOL-120
PHYS-110, PHYS-120, PHYS-120H, PHYS-121, PHYS-121H, PHYS-130,
PHYS-230, PHYS-231**AREA 5B: Biological Science****Complete one course with a grade of C or better:**ANTHR-140
BIOSC-110, BIOSC-119, BIOSC-132, BIOSC-134, BIOSC-145,
BIOSC-147, BIOSC-172,
PSYCH-150**AREA 5C: Laboratory****If a course with a laboratory is already completed with a 'C' or better from Area 5A or 5B, then area 5C is not needed. Complete one course with a grade of 'C' or better from the list below with a matching lecture course from area 5A or 5B if needed.**ANTHR-140L
BIOSC-159, BIOSC-172L
GEOG-120L
GEOL-120L
PHYS-110L**AREA 6A: Languages other than English (For UC transfer only)****Complete one course below with a grade of C or better if needed. Area 6A is not required for CSU transfer.**CHIN-120, CHIN-121,
JAPAN-120, JAPAN-121,
SPAN-120, SPAN-121, SPAN-220, SPAN-221

Proficiency may be satisfied in a number of ways. For example, if a student completes two years of study in the same language during High School with a grade of 'C' or better, then they have satisfied this area. See the IGETC worksheet in the CCC catalog or a counselor for details on satisfying this requirement through other methods.

INACTIVATED PROGRAMS

Medical Terminology - Certificate of Accomplishment

REVISED PROGRAMS

La Raza Studies

Note Changes: Add course options. Remove deactivated Course. Degree units are unchanged.

Associate in Arts Degree

La Raza Studies18 Units

An Associate in Arts Degree may be earned by completing a minimum of 60 units of degree credit coursework, including the major requirements and breadth requirements, with a minimum grade point average of 2.0. Students must complete all courses for the major with a grade of C or better.

Required core courses (15 units):

3 units	LARAZ-110	Introduction to La Raza Studies
3 units	LARAZ-113	Introduction to Analysis of American Political Institutions
3 units	LARAZ-125	Latin American History
3 units	LARAZ-127/ HIST-127	History of Latinos in the United States (1846-present)
3 units	LARAZ-130	Contemporary Chicano/Latino Literature

Plus, 3 units from the following:

3 units	AFRAM-110	Introduction to African American Studies
3 units	HIST-122	History of African Americans in the United States (Pre-Colonial to 1865)
3 units	HUMAN-113	African American Humanities
3 units	LARAZ-141	Introduction to Psychology of La Raza I
3 units	LARAZ-190	Introduction to Chicano(a) and Latino(a) Film
3 units	PSYCH-222	Multicultural Psychology
3 units	LARAZ-165/ DRAMA-165	Chicana/o-Latina/o Theatre

UC Transfer

(Effective Fall 2019)

LARAZ-131	Introduction to LGBTQ Studies
AFRAM-112	African American Theatre
AFRAM-113	African American Humanities
AFRAM-122	History of African Americans in the U.S. (Pre-Colonial - 1865)
AFRAM-123	History of African Americans in the U.S. (1865 to the Present)
AFRAM-140	Psychology of African Americans
AFRAM-210	History of African Civilization
AFRAM-225	Dynamics of African American Politics in America
AFRAM-228	Sociology of African Americans

CATALOG CORRECTIONS

(Effective Fall 2019)

Note Correction: Course has 54 laboratory hours, not 72 lab hours.

ART-158 Digital Photography

3 Units: 36 hours of lecture, 54 hours of laboratory, per term, SC, DG, CSU, UC

This course is an introduction to the processes, principles and tools of digital photography. Topics include the development of technical and aesthetic skills, elements of design and composition, camera technology, materials and equipment, and contemporary trends in photography.

Note Correction: Course has 162 laboratory hours, not 135 lab hours.

DRAMA-106 Technical Theatre Stagecraft

3 Units: 162 hours of laboratory, per term, SC, DG, CSU, UC (C-ID: THTR 171)

This course will introduce the student to the basics of technical theatre. The focus will be on backstage operations and crew assignments. Emphasis on understanding the roles, duties and responsibilities of the stage manager and running crew: prop master, dresser, sound and light operators, and technicians. This will include the following areas: communication with designers, actors, directors, and fellow running crew, load in/load out, technical rehearsals and show run procedures, safety, backstage etiquette, professionalism, and practical applications for productions.

Note Correction: Course was omitted from catalog

LARAZ-805N Building Pre-Collegiate Skills-Level I

Noncredit: 4 hours of lecture, per term

This course assists students to acquire oral presentation skills, leadership skills and reading and writing proficiency to succeed in their educational environment.

Note Correction: Course was omitted from catalog

LARAZ-806N Building Pre-Collegiate Skills-Level II

Noncredit: 4 hours of lecture, per term

This course assists high school students in their academic development. It is focused on developing their basic skills and leadership abilities through an exploration of effective listening, organization and responding skills. Students will learn the mechanics of effective oral presentations and basic rules of parliamentary procedures.

NEW C-ID COURSES

CCC COURSE	C-ID COURSE NO.
BIOSC-160	NUTR 110
DRAMA-103	THTR 113
DRAMA-123	THTR 152
ENGIN-170	ENGR 220
ENGIN-230	ENGR 260
ENGL-002B	ENGL 110
HIST-121	HIST 140
PHILO-101	PHIL 100
PHILO-130	PHIL 110
PHILO-140	PHIL 130
PHILO-150	PHIL 140
SPAN-121	SPAN 110
SPAN-220	SPAN 200
SPAN-221	SPAN 210
SPAN-230	SPAN 220