



Section IV

# REQUIREMENTS FOR COLLEGE TRANSFER



# CALIFORNIA STATE UNIVERSITY AND UNIVERSITY OF CALIFORNIA LOCATIONS

## University of California (UC)

UC Website: [www.ucop.edu/pathways](http://www.ucop.edu/pathways)

- UC, Berkeley
- UC, Davis
- UC, Irvine
- UC, Los Angeles
- UC, Merced
- UC, Riverside
- UC, San Diego
- UC, San Francisco
- UC, Santa Barbara
- UC, Santa Cruz



## California State University (CSU)

CSU Website: [www.csumentor.edu](http://www.csumentor.edu)

- CA Polytechnic State University, San Luis Obispo
- CA Polytechnic State University, Pomona
- CSU, Bakersfield
- CSU, Channel Islands
- CSU, Chico
- CSU, Domingues Hills
- CSU, East Bay
- CSU, Fresno
- CSU, Fullerton
- CSU, Long Beach
- CSU, Los Angeles
- CA Maritime Academy
- CSU, Monterey Bay
- CSU, Northridge
- CSU, Sacramento
- CSU, San Bernardino
- CSU, San Marcos
- CSU, Sonoma
- CSU, Stanislaus
- Humboldt State University
- San Diego State University
- San Francisco State University
- San Jose State University

## REQUIREMENTS FOR TRANSFER TO A FOUR-YEAR COLLEGE OR UNIVERSITY

Norco College offers programs of study that align with the first two years (freshman and sophomore levels) at most four-year colleges and universities. Information on many of the four-year universities can be found in the Transfer Center. Requirements for admission, general education, and major preparation are different at each four-year institution so it is important to make an appointment to meet with a counselor during your first semester to develop a Student Educational Plan (SEP), which will list all the required courses to reach your goal.

### CALIFORNIA STATE UNIVERSITY (CSU)

#### CSU Minimum Admissions Requirements

Upper Division Transfer Students will be eligible for admission if they meet the following requirements:

1. Complete a minimum of 60 CSU-transferable semester units or 90 transferable quarter units.
2. Obtain a minimum 2.0 GPA. GPA requirements may be significantly higher if the campus or the major is impacted.
3. Complete at least 30 semester units (or 45 quarter units) of courses equivalent to general education requirements with grades of “C” or better. The 30 units must include the “Golden Four” [Area A-1: Oral Communication; Area A-2: Written Communication; Area A-3: Critical Thinking; and at least one course of at least 3 semester units (or 4 quarter units) in Area B-4: Mathematics/Quantitative reasoning.]

It is highly recommended that students complete either the CSU GE or IGETC certification pattern prior to transferring to the CSU system.

### CSU GE CERTIFICATION

The California State University system requires that 48 semester units of general education must be completed to be eligible for a bachelor’s degree. Nine of these units are upper-division (junior/senior level) and are to be taken at the CSU campus after transfer. Norco College can certify 39 of these units as having met all of the lower division (freshman/sophomore level) general education requirements. Although it is not an admission requirement, it is to the student’s advantage to complete all areas of the general education pattern and have them certified.

Full certification by the community college will be accepted without the need to take additional lower-division general education courses at the CSU campus. Advanced Placement (AP) test credit, certain CLEP exams, and coursework completed at regionally accredited U.S. colleges and universities may be used to fulfill some CSU GE requirements. Coursework must be evaluated through the office of evaluations or by the Norco College articulation officer. International coursework may only be applied to CSU GE if the international institution has United States regional accreditation. All other international coursework cannot be applied to CSU GE.

## UNIVERSITY OF CALIFORNIA (UC)

### UC Minimum Admission Requirements

Upper Division Transfer students will be eligible for admission if they meet the following requirements:

1. Complete a minimum of 60 UC-transferable semester units or 90 transferable quarter units.
2. Obtain a minimum 2.4 GPA (2.8 for California non-residents). At many UC campuses, admission is competitive and the required GPA can be significantly higher.
3. Complete the following course pattern with a grade of “C” or better in each course:
  - Complete two transferable college courses in English Composition (three semester units or four to five quarter units each).
  - Complete one transferable course in mathematical concepts and quantitative reasoning (three semester or four to five quarter units).
  - Complete four transferable college courses (three semester or 4-5 quarter units each) from at least two of the following subject areas: arts and humanities, social and behavioral sciences, physical and biological sciences.

The majority of UC campuses give high priority to students who have completed major preparation courses.

Students who complete the Intersegmental General Education Transfer Curriculum (IGETC) pattern prior to transfer to the UC system will satisfy the transfer eligibility coursework listed in item 3 above.

### IGETC CERTIFICATION

Completion of the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer to a campus in either the California State University (CSU) or University of California (UC) System without the need, after transfer, to take additional lower-division general education courses to satisfy campus general education. Courses used for IGETC certification must be completed with grades of “C” or better and must be a minimum of three semester or four to five quarter units. **Grades of C- are not acceptable.** A course cannot be certified unless it was on the IGETC list during the year when it was taken. Students beginning in Fall 2018 must follow the 2018-2019 IGETC requirements. Advanced Placement (AP) test credit and coursework completed at regionally accredited U.S. colleges and universities may be used to fulfill some IGETC requirements. Coursework must be evaluated through the office of evaluations or by the Norco College articulation officer. International coursework may only be applied to IGETC if the international institution has United States regional accreditation. All other international coursework cannot be applied to IGETC.

#### Partial IGETC Certification

Partial IGETC certification is allowed with a maximum of two courses missing, which have to be completed after transfer. Students need Areas 1 and 2 of the IGETC completed to meet minimum transfer admission requirements. A deficiency in Area 1 and/or 2 may also indicate a student does not meet the minimum transfer requirements.

**UC IGETC Limitation**

Some of the UC campuses do not accept or recommend IGETC for certain majors, (e.g., Engineering, Sciences). Students should consult with a counselor to determine the most appropriate general education pattern for their major and intended transfer institution.

**How to Request Certification**

Students can apply for IGETC or CSU GE certification at the last community college attended prior to transfer. Students can request IGETC or CSU GE certification on the transcript request form found in the Norco College Admissions & Records department or through their WebAdvisor account.

**MAJOR PREPARATION COURSES FOR TRANSFER**

For each major at a four-year institution, there are lower-division (freshman and sophomore level) major preparation requirements. Students should complete as many lower-division major courses as possible prior to transfer. Each four-year university has its own programs and major requirements. It is recommended that students see a counselor, on a regular basis, to determine the courses needed to transfer to CSU, UC or a private university.

**ASSIST**

Major preparation courses for CSU and UC campuses can be found on ASSIST ([www.assist.org](http://www.assist.org)). ASSIST is an online student-transfer information system that shows how course credits earned at a California Community College can be applied when transferred to a CSU or UC campus.

**COURSE IDENTIFICATION NUMBERING SYSTEM (C-ID)**

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

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

Counselors can always help students interpret or explain C-ID designations.

**PRIVATE AND OUT-OF-STATE COLLEGES AND UNIVERSITIES**

Each private or out-of-state college/university has its set of requirements for admission and for graduation. For students looking to transfer to a private, independent or out-of-state college/university, you can meet with a counselor to see if Norco College has an articulation agreement with the school you are interested in. Also, some private and out-of-state universities do accept the CSU GE or IGETC pattern. Be sure to ask your counselor if this is the case with your school of interest. If there is no articulation agreement with the school, you may need to contact the school's admissions office for more information. After researching the transfer admission requirements, students are encouraged to follow up with a Norco College counselor or a representative from the school of interest. The Association of Independent California Colleges and Universities is a good source of information for private four-year institutions in California. Their website can be accessed at [www.aiccu.edu](http://www.aiccu.edu).



**Associate Degree  
for Transfer**  
*A Degree with a Guarantee.™*

**ASSOCIATE DEGREES FOR TRANSFER (ADT)**

California Community Colleges are now offering associate degrees for transfer to the CSU. These may include Associate in Arts (AA-T) or Associate in Science (AS-T) degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or campuses.

Students who have been awarded an AA-T or AS-T are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units. To view the most current list of Norco College Associate Degrees for Transfer and to find out which CSU campuses accept each degree, please go to: [www.calstate.edu/transfer/adt-search/search.shtml](http://www.calstate.edu/transfer/adt-search/search.shtml).

Students are encouraged to meet with a Norco College counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

**ADMINISTRATION OF JUSTICE (CSUGE) NAS642 (IGETC) NAS643**

This degree is designed to facilitate the student's passage from Norco College to the California State University system with an Associate in Science in Administration of Justice for Transfer degree. This degree will satisfy the lower division requirements for the eventual conferral of the Bachelor's Degree in Criminal Justice at a CSU. With this degree the student will be prepared to enter the American Justice system as an entry level professional in numerous areas.

**Program Learning Outcomes**

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

- Demonstrate an applicable knowledge of the many facets of the American Justice System and the interrelationship of functions among them.
- Demonstrate a working knowledge of the theory and practice of law enforcement, community policing, criminal law, judicial procedure, criminal investigation, and corrections within the American Justice System.
- Demonstrate the ability to interact with the public and members of the American Justice System in a manner to reflect professionalism in speaking, reading, writing, and the ability to compile, integrate, and disseminate diverse information.

Required Courses (18-19 Units)		Units
ADJ-1*	Introduction to the Administration of Justice	3
ADJ-3*	Concepts of Criminal Law	3
List A	Choose from the list below	6
List B	Choose from the list below	6-7

List A Choose two courses from the following (6 Units)		Units
ADJ-2	Principles and Procedures of the Justice System	3
ADJ-4	Legal Aspects of Evidence	3
ADJ-5	Community Relations	3
ADJ-8	Juvenile Law Procedures	3

List B Choose two courses from the following (6-7 Units)		Units
Any List A course not already used		
ADJ-9*	Law in American Society	3
ADJ-13	Criminal Investigation	3
ADJ-14	Advanced Criminal Investigation	3
MAT-12*/12H*	Statistics/Honors	4
POL-1*/1H*	American Politics/Honors	3
PSY-1*/1H*	General Psychology/Honors	3
SOC-1*/1H*	Introduction to Sociology/Honors	3
SOC-2*	American Social Problems	3
SOC-20*	Introduction to Criminology	3
SOC-50*	Introduction to Social Research Methods	3

\*Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.

**Associate in Science for Transfer Degree**

The Associate in Science in Administration of Justice for Transfer degree will be awarded upon completion of 60 semester CSU-transferable units; the California State University-General Education-Breadth pattern (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern; a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district; attainment of a minimum grade point average (GPA) of 2.0; earn a grade of C or better in all courses required for the major or area of emphasis.

**ANTHROPOLOGY**

**(CSUGE) NAA616  
(IGETC) NAA618**

The Associate in Arts in Anthropology for Transfer Degree is designed to prepare the student for transfer to institutions of higher education and specifically intended to satisfy the lower division requirements for the Baccalaureate Degree in Anthropology at a California State University. It will also provide the student with a sufficient academic basis from which to pursue a career in the social science professions. The student will be afforded the opportunity to study the nature of human diversity from a genetic, archeological, linguistic and cultural basis. The breadth of Anthropology will be examined to include the historical and contemporary theory and research as the basis from which to gain an in-depth awareness and understanding of humans and the world in which we live.

**Program Learning Outcomes**

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

- Apply the holistic and comparative perspective inherent in anthropological knowledge to real world problems
- Use information resources and technology to research current issues in all four subfields of anthropology
- Synthesize and integrate theoretical perspectives specific to anthropology and general to the social and natural sciences

Required Core Courses (18-19 units)		Units
ANT-1*/1H*	Physical Anthropology/Honors	3
ANT-2*/2H*	Cultural Anthropology /Honors	3
ANT-6*	Introduction to Archaeology	3
Group A	Choose 6-7 units from below	6-7
Group B	Choose 3 units from below	3

Electives Group A (6-7 units)		Units
ANT-3*	Prehistoric Cultures	3
GEG-1*/1H*	Physical Geography /Honors	3
GEG-2*	Human Geography	3
MAT-12*/12H*	Statistics/Honors	4

Electives Group B (3 units)		Units
ANT-4*	Native American Cultures	3
ANT-5*	Cultures of Ancient Mexico	3
ANT-7*	Anthropology of Religion	3
ANT-8*	Language and Culture	3
ANT-10	Forensic Anthropology	3

\*Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.

**Associate in Arts for Transfer Degree**

The Associate in Arts in Anthropology for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.

**BIOLOGY****(CSUGE) NAS767  
(IGETC) NAS768**

The Associate in Science in Biology for Transfer Degree introduces the concepts and principles upon which biologic knowledge is based including the biochemistry, structure and function, ecology and evolution of organisms, from the levels of cells through the biosphere. Students will develop skills for critical/analytical thinking, perceptive reading/observation and interpretation. The Associate in Science in Biology for Transfer degree provides students with a core curriculum that will prepare them with the knowledge and skills required to earn a baccalaureate degree in biology. The intent of this degree is to assist students in seamlessly transferring to a California State University.

**Program Learning Outcomes**

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

- Be able to identify and explain fundamental biological concepts and principles on the molecular, cellular, organismal, population, ecological, environmental and evolutionary levels.
- Apply knowledge of biological concepts to formulate questions and hypotheses for research and demonstrate ability to find, read, understand, and critically evaluate scientific papers.
- Develop experimental skills and techniques used in laboratory and field research and use the scientific method to develop hypotheses, design and execute experiments.

Required Courses (32 units)	Units
BIO-60 (Formerly BIO-11*)	
Introduction to Molecular and Cellular Biology	5
BIO-61* (Formerly BIO-12*)	
Introduction to Organismal and Population Biology	5
CHE-1A*	5
CHE-1B*	5
MAT-1A*	4
PHY-2A*	4
and	
PHY-2B*	4
OR	
PHY-4A*	4
and	
PHY-4B*	4
Electricity & Magnetism	

\*Courses may also be used to fulfill general education requirements for the CSUGE for STEM or IGETC for STEM pattern, please confer with a counselor.

**Associate in Science for Transfer Degree**

The Associate in Science in Biology for Transfer degree will be awarded upon completion of 60 semester CSU-transferable units including the above major requirements and the California State University-General Education-Breadth for STEM pattern (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) for STEM pattern with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.

**BUSINESS ADMINISTRATION****(CSUGE) NAS626  
(IGETC) NAS628**

This degree is designed to facilitate the student's passage from Norco College to the California State University (CSU) System with an Associate in Science in Business Administration for Transfer degree. This degree will satisfy the lower division requirements for the eventual conferral of the Bachelor's Degree in Business Administration at a CSU. With this degree the student will be prepared for transfer to the university upper division level. Additionally, the intent of an associate degree for transfer is to assist students in seamlessly transferring to a CSU.

**Program Learning Outcomes**

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

- Demonstrate use of technology and application software to analyze and solve business decisions.
- Demonstrate mathematical and accounting procedures used for business specific calculations and decisions.
- Demonstrate the application of economic and business theories to develop effective business processes.

Required Courses (24-26 units)	Units	
ACC-1A	Principles of Accounting I	3
ACC-1B	Principles of Accounting II	3
BUS-18A	Business Law I	3
ECO-7*/7H*	Principles of Macroeconomics/Honors	
	Principle of Macroeconomics	3
ECO-8*/8H*	Principles of Microeconomics/Honors	
	Principle of Microeconomics	3
List A	Select from the list below	3-4
List B	Select from the list below	6-7

List A Select one course from the following (3-4 units)	Units	
MAT-4*	Finite Mathematics	3
MAT-5*	Calculus for Business and Life Science	4
MAT-12*/12H*	Statistics/Honors Statistics	4

List B Select two courses from the following (6-7 units)	Units	
Any course from List A not used above	3-4	
CIS-1A	Introduction to Computer Information Systems	3
BUS-10/10H	Introduction to Business/Honors	3
or BUS-24	Business Communication	3

\*Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.

**Associate in Science for Transfer Degree**

The Associate in Science in Business Administration for Transfer degree will be awarded upon completion of 60 semester CSU-transferable units; the California State University-General Education-Breadth pattern (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern; a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district; obtainment of a minimum grade point average (GPA) of 2.0; earn a grade of C or better in all courses required for the major or area of emphasis.

**CHEMISTRY (IGETC) NAS769**

The Associate in Science in Chemistry for Transfer Degree introduces the concepts and principles upon which chemical knowledge is based, including chemical structures and nomenclature, stoichiometry and solving of chemical equations, the thermodynamics of chemical reactions, and theories of chemical bonding. Students will develop skills for critical/analytical thinking, perceptive reading/observation and interpretation. The Associate in Science in Chemistry for Transfer degree provides students with a core curriculum that will prepare them with the knowledge and skills required to earn a baccalaureate degree in chemistry.

**Program Learning Outcomes**

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

- Master content in inorganic and organic chemistry by describing chemical and physical structures and nomenclature, stoichiometry and solving of chemical equations, and analyzing and describing the nature of chemical reactions and energy.
- Measure and characterize properties of matter using a variety of research-level chemical instrumentation, laboratory techniques, statistical and computational methods
- Display effective cooperation with others on projects and clearly communicate experimental results through oral and written means.
- Demonstrate professional integrity, safety, and environmental stewardship.

Required Courses (36 Units)		Units
CHE-1A*	General Chemistry I	5
CHE-1B*	General Chemistry II	5
CHE-12A*	Organic Chemistry I	5
CHE-12B*	Organic Chemistry II	5
PHY-4A*	Mechanics	4
PHY-4B*	Electricity and Magnetism	4
MAT-1A*	Calculus I	4
MAT-1B*	Calculus II	4

\*Courses may also be used to fulfill general education requirements for the IGETC for STEM pattern, please confer with a counselor.

**Associate in Science for Transfer Degree**

The Associate in Science in Chemistry for Transfer degree will be awarded upon completion of 60 semester CSU-transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) for STEM pattern with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.

**COMMUNICATION STUDIES (CSUGE) NAA587 (IGETC) NAA588**

The Associate in Arts in Communication Studies for Transfer degree provides opportunity for students to transfer to a CSU with junior standing. The degree encourages students to examine and evaluate human communication across and within various contexts for the purpose of increasing competence.

**Program Learning Outcomes**

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

- Synthesize communication principles and theories to develop communication competence to improve human interaction.
- Apply and analyze rhetorical principles for a variety of purposes adapting to audience and context.
- Understand the theoretical and practical relationships between and among symbols, culture and gender to competently create, interpret and/or evaluate messages.

Required Courses (18-19 units)		Units
COM-1*/1H*	Public Speaking/Honors	3
COM-9*/9H*	Interpersonal Communication/ Honors	3
Electives from Group A		3
Electives from Group B		6
Electives from Group C		3-4

Electives Group A (3 units)		Units
COM-3*	Argumentation and Debate	3
COM-6*	Dynamics of Small Group Communication	3

Electives Group B (6 units)		Units
Any course not applied in group A		
COM-2*	Persuasion in Rhetorical Perspective	3
COM-7*	Oral Interpretation of Literature	3
COM-12*	Intercultural Communication	3
COM-20*	Introduction to Communication Theory	3
JOU-7*	Mass Communications	3
Electives Group C (3-4 units)		Units

Any course not applied in group A or B above		
COM-11*	Storytelling	3
COM-13*	Gender and Communication	3
ANT-2*/2H*	Cultural Anthropology/Honors	3
ENG-1B*/1BH*	Critical Thinking and Writing/Honors	4
MAT-12*/12H*	Statistics/Honors Statistics	4
PSY-1*/1H*	General Psychology/Honors	3
SOC-1*/1H*	Introduction to Sociology/Honors	3

\*Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.

**Associate in Arts for Transfer Degree**

The Associate in Arts in Communication Studies for Transfer degree awarded upon completion of 60 semester CSU-transferable units; the California State University-General Education-Breadth pattern (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern; a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district; obtainment of a minimum grade point average (GPA) of 2.0; earn a grade of "C" or better in all courses required for the major or area of emphasis.

## COMPUTER SCIENCE (IGETC) NAS650

The Associate in Science in Computer Science for Transfer degree provides a solid preparation for transfer majors in computer science including an emphasis on object oriented programming logic in C++, computer architecture, calculus and calculus based physics. The intent of this degree is to assist students in seamlessly transferring to a CSU. With this degree the student will be prepared for transfer to the university upper division level in preparation for the eventual conferral of the Bachelor's Degree in Computer Science. The degree aligns with the approved Transfer Model Curriculum (TMC) in Computer Science.

### Program Learning Outcomes

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

- Write programs utilizing the following data structures: arrays, records, strings, linked lists, stacks, queues, and hash tables.
- Write and execute programs in assembly language illustrating typical mathematical and business applications.
- Demonstrate different traversal methods of trees and graphs.

Required Courses (29 units)		Units
CSC/CIS-5	Programming Concepts and Methodology I: C++	4
CSC/CIS-7	Discrete Structures	3
CSC/CIS-11	Computer Architecture and Organization: Assembly	3
CSC/CIS-17A	Programming Concepts and Methodology II: C++	3
MAT-1A*	Calculus I	4
MAT-1B*	Calculus II	4
PHY-4A*	Mechanics	4
PHY-4B*	Electricity and Magnetism	4

\*Courses may also be used to fulfill general education requirements for the IGETC pattern, please confer with a counselor.

### Associate in Science for Transfer Degree

The Associate in Science in Computer Science for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.

## EARLY CHILDHOOD EDUCATION (CSUGE) NAS529 (IGETC) NAS530

This program focuses on the theory and practice of early childhood care and education for children from birth to age eight for occupational preparation. The course of study will include the basic principles of educational and developmental psychology; the art of observing, teaching and guiding young children; planning and administration of developmentally appropriate inclusive educational activities; school safety and health issues; and the social and emotional foundations of early care and education. Students completing this program will have the potential of obtaining occupations in educational settings such as infant/toddler caregivers; preschool teachers; family home childcare providers; master teachers, site supervisors, program directors, child life specialists, and social services workers.

### Program Learning Outcomes

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

- Develop, implement, and evaluate developmentally appropriate thematic and emergent curriculum for children who are typical and atypical in the areas of physical, cognitive, language, creative and social/emotional growth.
- Develop and apply appropriate practices and effective techniques that respect the cultural diversity of young children and their families.
- Integrate an educational philosophy into classroom practices that reflects a personal belief supportive of theoretical principles regarding how and why young children should receive early educational experiences.
- Develop and implement a system of ongoing observational practices that contributes toward the creation of learning environments conducive to the emergence of curriculum that adapts to the evolving needs of children.

Required Courses (25 units)		Units
EAR-19	Observation and Assessment In Early Childhood Education	3
EAR-20*	Child Growth and Development	3
EAR-24	Introduction to Curriculum	3
EAR-25	Teaching in a Diverse Society	3
EAR-26	Health, Safety and Nutrition	3
EAR-28	Principles and Practices of Teaching Young Children	3
EAR-30	Practicum in Early Childhood Education	4
EAR-42*	Child, Family, and Community	3

\*Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.

### Associate in Science for Transfer Degree

The Associate in Science in Early Childhood Education for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.



**ENGLISH**

**(CSUGE) NAA648  
(IGETC) NAA649**

The Associate in Arts in English for Transfer degree is a curricular pattern designed specifically to transfer students as English majors with junior status to the CSU system. Though the Associate in Arts in English for Transfer also provides broad general preparation for English majors entering any four-year university, students must consult the specific requirements of any non-CSU campus to which they are applying. Students earning the Associate in Arts in English for Transfer will analyze, interpret, and synthesize diverse texts in order to construct well-supported academic arguments and literary analyses, and they will encounter interpretive questions to which there are multiple plausible answers. Students earning this degree will also have exposure to a variety of literary genres and periods and will be able to illustrate a basic understanding of the ways that literature can embody cultural, intellectual, and artistic trends.

**Program Learning Outcomes**

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

- Read a variety of literary texts (fiction, poetry, drama, literary non-fiction) with understanding and insight.
- Demonstrate critical thinking skills about literary texts, including the ability to construct and test interpretive hypotheses, analyze rival hypotheses, and recognize interpretive problems to which literary texts give rise.
- Write analytical or argumentative essays on literary texts that demonstrate effective stylistic, organizational, and rhetorical control, support claims with sound textual evidence, and employ correct MLA citation methods.
- Demonstrate an awareness of the relationship between literature and culture, including a recognition of literature as a product of as well as a contribution to human history.

Required Courses (19 units)	Units
ENG-1B*/1BH* Critical Thinking and Writing/Honors	4
List A Choose from the list below	6
List B Choose from the list below	6
List C Choose from the list below	3

List A Choose two courses from the following (6 units):	Units
ENG-6* British Literature I: Anglo-Saxon through Eighteenth Century	3
ENG-7* British Literature II: Romanticism through Modernism/Post-Modernism	3
ENG-14* American Literature I: Pre-Contact through Civil War	3
ENG-15* American Literature II: 1860 to the Present	3
ENG-40* World Literature I: From Ancient Literatures to the Seventeenth Century	3
ENG-41* World Literature II: Seventeenth Century Through the Present	3

List B Choose two courses from the following (6 units)	Units
Any course from List A not already used	
ENG/HUM-8* Introduction to Mythology	3
ENG-11* Creative Writing	3
ENG-44* Poetry from the Twentieth Century to the Present	3

List C Choose one course from the following (3 units)	Units
Any course from List A and List B not already used	
ENG-9* Introduction to Shakespeare	3
ENG-10 Special Studies in Literature	3
ENG-20* Survey of African American Literature	3
ENG/HUM-23* The Bible as Literature	3
ENG-30* Children’s Literature	3
ENG-35* Images of Women in Literature	3
ENG-45* Modern Drama	3
ENG-48* Short Story and Novel from the Twentieth Century to the Present	3
COM-7* Oral Interpretation of Literature	3
THE-3* Introduction to Theater	3

\*Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.

**Associate in Arts for Transfer Degree**

The Associate in Arts in English for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of “C” or better.

**HISTORY**

**(CSUGE) NAA744  
(IGETC) NAA745**

The Associate in Arts in History for Transfer Degree is designed to prepare the student for transfer to institutions of higher education and specifically intended to satisfy the lower division requirements for the Baccalaureate in Arts in History at a California State University. This degree is designed to prepare students to transfer seamlessly to a CSU.

**Program Learning Outcomes**

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

- Describe, interpret, and evaluate a variety of sources of historical information.
- Demonstrate an understanding of the nature of historical processes.
- Describe and analyze economic, intellectual, political and social developments in history.
- Evaluate the role of individuals, institutions, and cultures in view of historical events in a global context.

Required Courses (18 units)	Units
HIS-6*/6H* Political and Social History of the United States/Honors	3
HIS-7*/7H* Political and Social History of the United States/Honors	3
HIS-1* History of World Civilizations I	3
HIS-2* History of World Civilizations II	3
List A Choose from the list below	3
List B Choose from the list below	3

## List A Select one course from the following (3 units)

COM-12*	Intercultural Communication	3
ENG-20*	Survey of African American Literature	3
HIS-14*	African American History I	3
HIS-25*	History of Mexico	3
HIS-31*	Introduction to Chicana/o Studies	3
HIS-34*	History of Women in America	3
POL-4*/4H*	Introduction to World Politics/Honor	3
SOC-10*	Race and Ethnic Relations	3

## List B Select one course from the following (3 units)

ECO-7*/7H*	Principles of Macroeconomics/Honors	3
GEG-2*	Human Geography	3
HIS-26*	History of California	3
HUM-4*/4H*	Arts and Ideas: Ancient World through the Late Medieval Period/Honors	3
HUM-5/5H*	Arts and Ideas: Renaissance through the Modern Era/Honors	3
POL-1*/1H*	American Politics/Honors	3
POL-2*	Comparative Politics	3
SOC-1*/1H*	Introduction to Sociology/Honors	3

\*Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.

**Associate in Arts for Transfer Degree**

The Associate in Arts in History for Transfer degree will be awarded upon completion of 60 semester CSU-transferable units including the above major requirements and the California State University-General Education-Breadth pattern (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.

**MATHEMATICS****(CSUGE) NAS719  
(IGETC) NAS720**

The Associate in Science Degree in Mathematics for Transfer is designed to prepare the student for transfer to institutions of higher education and specifically intended to satisfy the lower division requirements for the Baccalaureate Degree in Mathematics at a California State University (but does not guarantee acceptance to a particular campus or major). It will also provide the student with a sufficient academic basis from which to pursue a career in mathematics, statistics, actuarial science, and education.

**Program Learning Outcomes**

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

- Reason mathematically both abstractly and computationally.
- Create and analyze mathematical models.

Required Courses (19-20 units) Units

MAT-1A*	Calculus I	4
MAT-1B*	Calculus II	4
MAT-1C*	Calculus III	4

Choose 2 courses from the following with at least 1 course from Group A 7-8

Group A Units

MAT-2*	Differential Equations	4
MAT-3*	Linear Algebra	3

Group B Units

PHY-4A*	Mechanics	4
CSC/CIS-5	Fundamentals of Programming Logic using C++	4

\*Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.

**Associate in Science for Transfer Degree**

The Associate in Science in Mathematics for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.

**PHILOSOPHY****(CSUGE) NAA715  
(IGETC) NAA717**

The Associate in Arts in Philosophy for Transfer degree is designed to prepare the student for transfer to four-year institutions of higher education and specifically intended to satisfy the lower division requirements for the Baccalaureate in Arts in Philosophy at the California State University. This degree is designed to prepare students to critically analyze the work of major figures in philosophy, evaluate topics in the key areas of philosophy, clearly express philosophical ideas both in writing and orally, and demonstrate an understanding of these ideas through their application to specific philosophical problems.

**Program Learning Outcomes**

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

- Analyze and critically evaluate the work of major figures in philosophy
- Compare and contrast different philosophical views across historical periods and contexts of human experience
- Evaluate the most important topics in key areas of philosophy: theory of knowledge, metaphysics, ethics
- Demonstrate the ability to apply philosophical ideas to philosophical problems
- Express philosophical ideas and defend them in argument, both in writing and orally

Required Courses (18 units) Units

PHI/MAT-32*	Introduction to Symbolic Logic	3
PHI-10*/10H*	Introduction to Philosophy/Honors	3
or		
PHI-12*	Introduction to Ethics: Contemporary Moral Issues	3
List A	Choose from the list below	3
List B	Choose from the list below	6
List C	Choose from the list below	3

List A Take 3 units from the following:

Any course from the above required courses that has not been used or

PHI-33*	Introduction to Social and Political Philosophy	3
PHI/HUM 35*	Philosophy of Religion	3

List B Take 6 units from the following:

Any course from List A that has not been used or

PHI-11*	Critical Thinking	3
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List C Take 3 units from the following:

Any course from List A or B that has not been used or

PHI-15*	Bio-Medical Ethics	3
HIS-1*	History of World Civilizations I	3
HIS-2*	History of World Civilizations II	3
HUM-4*/4H*	Arts and Ideas: Ancient World through the Late Medieval Period/Honors	3
HUM-5*/5H*	Arts and Ideas: The Renaissance through the Modern Era/Honors	3
HUM-10*/10H*	World Religions/Honors	3

\*Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.

**Associate in Arts for Transfer Degree**

The Associate in Arts in Philosophy for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including a minimum of 18 semester units or 27 quarter units in the major as determined by the community college district and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements and with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of “C” or better.

**PHYSICS (CSUGE) NAS638 (IGETC) NAS640**

The Associate in Science in Physics for Transfer degree provides a foundation in physics and mathematics for students planning to transfer into a baccalaureate program in Physics. Successful completion of the transfer degree in Physics guarantees student acceptance to a local California State University to pursue a baccalaureate degree in Physics.

**Program Learning Outcomes**

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

- Apply appropriate physical laws and mathematical techniques to analyze various physical situations
- Perform various scientific experiments and to analyze data to check agreement with theoretical predictions

<u>Required Courses (24 units)</u>		<u>Units</u>
PHY-4A*	Mechanics	4
PHY-4B*	Electricity and Magnetism	4
PHY-4C*	Heat, Light and Waves	4
MAT-1A*	Calculus I	4
MAT-1B*	Calculus II	4
MAT-1C*	Calculus III	4

\*Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.

**Associate in Science for Transfer Degree**

The Associate in Science in Physics for Transfer degree will be awarded upon completion of coursework totaling 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of “C” or better.

**POLITICAL SCIENCE (CSUGE) NAA754 (IGETC) NAA755**

The Associate in Arts in Political Science for Transfer degree is a curricular pattern designed specifically to transfer students as Political Science majors with junior status to the CSU system. Though the Associate in Arts in Political Science for Transfer also provides broad general preparation for Political Science majors entering any four-year university, students must consult the specific requirements of any non-CSU campus to which they are applying. Students earning the Associate in Arts in Political Science for Transfer will be provided with a deep appreciation of the social, economic and cultural dimensions of politics and encouraged to approach all political issues and ideas critically.

**Program Learning Outcomes**

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

- Describe, explain, and evaluate American political institutions, political systems, policies and processes.
- Identify and analyze the major current global and domestic political theories and ideologies.
- Objectively explain critical issues in American, Comparative and World politics and be able to use theories and debates to argue convincingly in defense of a position, selecting examples to illustrate points and organizing these appropriately.
- Employ a variety of current social scientific methodologies in the research, analysis and evaluation of data.
- Demonstrate critical thinking ability including the understanding of alternative explanations and the forming of conclusions from the data presented.

<u>Required Courses (18-19 units)</u>		<u>Units</u>
POL-1*/1H*	American Politics/Honors	3
LIST A	Choose from the list below	9-10
LIST B	Choose from the list below	6

LIST A Choose three courses from the following (9-10 units)

POL-2*	Comparative Politics	3
POL-4/4H*	Introduction to World Politics/Honors	3
POL-11*	Political Theory	3
MAT-12*/12H*	Statistics/Honors Statistics	4

LIST B Choose two courses from the following (6 units)

Any course from List A not already used or		
POL-5*	Law and Politics	3
POL-13*	Introduction to American Foreign Policy	3
ECO-7*/7H*	Principles of Macroeconomics/Honors	3
HIS-7*/7H*	Political and Social History of the US/Honors	3

\*Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.

**Associate in Arts for Transfer Degree**

The Associate in Arts in Political Science for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements and with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.

**PSYCHOLOGY****(CSUGE) NAA566  
(IGETC) NAA568**

The Associate in Arts in Psychology for Transfer degree is designed to prepare students who wish to transfer for the purposes of pursuing studies in psychology. Specifically, this degree allows students to complete various lower division courses in preparation for obtaining a baccalaureate degree in psychology at a California State University.

**Program Learning Outcomes**

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

- Apply the basic tenets of psychology to the study of more in depth topics in upper division courses
- Distinguish between the main theoretical perspectives in psychology
- Analyze the primary subfields of psychology and gauge their contributions to the understanding of behavior, cognition, and emotion

<u>Required Courses (20 units)</u>		<u>Units</u>
PSY-1*/1H*	General Psychology/Honors	3
PSY-2*	Biological Psychology	3
PSY-9*	Developmental Psychology	3
PSY-50*	Research Methods in Psychology	4
MAT-12*/12H*	Statistics/Honors	4
List A	Choose from the list below	3

<u>List A (3 units)</u>		<u>Units</u>
PSY-8*	Introduction to Social Psychology	3
PSY-33*	Theories of Personality	3
PSY-35*	Abnormal Psychology	3

\*Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.

**Associate in Arts for Transfer Degree**

The Associate in Arts in Psychology for Transfer degree will be awarded upon completion of coursework totaling 60 California State University (CSU) transferable units including the major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.

**SOCIOLOGY****(CSUGE) NAA695  
(IGETC) NAA696**

The Associate in Arts in Sociology for Transfer degree is designed to prepare the student for transfer to four-year institutions of higher education and specifically intended to satisfy the lower division requirements for the Baccalaureate Degree in Sociology at a California State University. It will also provide the student with a sufficient academic basis from which to pursue a career in the social science professions. The student will be afforded the opportunity to study the nature of the human affinity for aggregation and the complexities of societal organization. The breadth of Sociology will be examined to include the historical and contemporary theory and research as the basis from which to gain an in-depth awareness and understanding of the world in which we live.

**Program Learning Outcomes**

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

- Demonstrate an awareness and understanding of the historical and contemporary theoretical frameworks that form the basis of Sociological study.
- Demonstrate the utility of past and present sociological research and the research methodologies that form the basis of sociological inquiry.
- Demonstrate the ability to be academically proficient in at least two specific areas of sociological emphasis, i.e., Marriage and Family, Race/Ethnicity, Culture, Crime and Deviance, Social Problems.
- Demonstrate an understanding of the basic principles for at least one of the social sciences beyond Sociology, i.e., Anthropology or Psychology.

<u>Required Courses (18-19 units)</u>		<u>Units</u>
SOC-1*/1H*	Introduction to Sociology/Honors	3
Electives from Group A		6-7
Electives from Group B		6
Electives from Group C		3

<u>Electives Group A (6-7 units)</u>		<u>Units</u>
MAT-12*/12H*	Statistics/Honors	4
SOC-2*	American Social Problems	3
SOC-50*	Introduction to Social Research Methods	3

<u>Electives Group B (6 units)</u>		<u>Units</u>
SOC-10*	Race and Ethnic Relations	3
SOC-12*	Marriage Family Relations	3
SOC-20*	Introduction to Criminology	3

<u>Electives Group C (3 units)</u>		<u>Units</u>
SOC-3*	Social Inequality	3
SOC-15*	Women in American Society	3
ANT-2*/2H*	Cultural Anthropology/Honors	3
PSY-1*/1H*	General Psychology/Honors	3
PSY-8*	Introduction to Social Psychology	3

\*Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.

**Associate in Arts for Transfer Degree**

The Associate in Arts in Sociology for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the above major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of “C” or better.

**SPANISH**

**(CSUGE) NAA707  
(IGETC) NAA708**

The Associate of Arts in Spanish for Transfer provides transfer majors with a strong foundation not only in the four basic language skills (listening comprehension, reading comprehension, speaking and writing), but also in the civilization and cultures of Spain and Latin America. The degree emphasizes the acquisition of communicative competence and the development of intercultural awareness, appreciation and understanding. Additionally, the Spanish courses align well with preparation for transfer majors in related fields such as liberal arts, language arts and linguistics, and complement majors in international relations, political science, business, education, sociology and other areas of study at UC, CSU, and private colleges and universities.

**Program Learning Outcomes**

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

- Demonstrate critical thinking skills in Spanish by interpreting and articulating ideas, questions, opinions and information at the high-intermediate level, both orally and in writing.
- Analyze the practices, products and perspectives of the Spanish-speaking countries and peoples throughout the world through a comparison of Hispanic cultures and their own.

Required Courses (23 units)		Units
SPA-1*	Spanish 1/Honors Spanish 1	5
SPA-2*	Spanish 2/Honors Spanish 2	5
SPA-3*	Spanish 3 or Spanish 3N	5
SPA-4*	Spanish 4	5
List A	Select from the list below	3

List A: Select a minimum of one course (3 units)		Units
SPA-8*	Intermediate Conversation	3
SPA-11*	Spanish Culture and Civilization	3
SPA-12*	Latin American Culture and Civilization	3

\*Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.

Students who have passed SPA-1H, SPA-2H or SPA-3N may use these courses towards degree completion.

**Associate in Arts for Transfer Degree**

The Associate in Arts in Spanish for Transfer degree will be awarded upon completion of coursework totaling 60 California State University (CSU) transferable units including a minimum of 18 semester units or 27 quarter units in a major area of emphasis, as determined by the community college district, and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a

minimum grade point average of 2.0. All courses in the major must be completed with a grade of “C” or better.

Note: If a student places out of any required course and is not awarded units for that course, the student will have to take additional units to compensate for the course/units needed to reach at least 18 total units in the major (per Title 5 regulations). Appropriate course substitutions may be from List A or the courses listed below. Any other course substitution must be approved by the Spanish faculty of World Languages.

If a student has taken the AP Spanish Literature and Culture exam and obtained a score of 3, 4, or 5, three units of credit can be applied under List A.

ANT-2/2H	Introduction to Cultural Anthropology/Honors	CSU Area D
ANT-5	Cultures of Ancient Mexico	CSU Area D
ANT-8	Language and Culture	CSU Area D
ART-13	Pre-Columbian Art History	CSU Area C1
ART-14	Latin American Art: Colonial to the Present	CSU Area C1
COM-12	Intercultural Communication	CSU Area D
GEG-2	Introduction to Human Geography	CSU Area D
HIS-25	History of Mexico	CSU Area C2 or D
HIS-31	Introduction to Chicano/a Studies	CSU Area C2 or D
SOC-1/1H	Introduction to Sociology/Honors	CSU Area D
SOC-10	Race and Ethnic Relations	CSU Area D

**STUDIO ARTS**

**(CSUGE) NAA693  
(IGETC) NAA694**

The Associate in Arts in Studio Arts for Transfer provides a solid preparation for transfer majors in the various areas of studio art, including design, drawing, and painting. This Studio Arts degree has an emphasis in Art History. Additionally, the studio courses align well with preparation for transfer majors in related fields such as sculpture, photography, and other areas of study at UC, CSU, and private colleges and universities.

**Program Learning Outcomes**

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

- Demonstrate proficient technical and creative skills with a variety of art materials.
- Understand works of art and design and the artistic contributions of diverse peoples through critical discussion and written assignments.
- Demonstrate, through the analysis of aesthetic and cultural values, an understanding of the contribution of art and design to human experience.

Required Courses (24 units)		Units
ART-2*/2H*	History of Western Art: Renaissance through Contemporary/Honors	3
ART-17	Beginning Drawing	3
ART-22	Basic Design	3
ART-24	Three Dimensional Design	3
Electives	Choose from List A	3
Electives	Choose from List B	9

List A: Select 1 course (3 units)		Units
ART-1*	History of Western Art: Prehistoric, Ancient, and Medieval	3
ART-5*	History of Non-Western Art	3
ART-9*	African Art History	3

List B: Select 3 courses (9 units)		Units
ART-20	Beginning Sculpture	3
ART-23	Color Theory and Design	3
ART-26	Beginning Painting	3
ART-36A	Computer Art-Introduction	3
or one of the following:		
ART-18	Intermediate Drawing	3
ART-40A	Figure Drawing-Introduction	3

\*Courses may also be used to fulfill general education requirements for the CSUGE or IGETC pattern, please confer with a counselor.

### Associate in Arts for Transfer Degree

The Associate in Arts in Studio Arts for Transfer degree will be awarded upon completion of coursework totaling 60 California State University (CSU) transferable units including the major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.



## Norco College

### California State University General Education Requirements 2018-2019

*The courses listed below will fulfill the lower division general education requirements for all CSU campuses.*

To obtain a Bachelor's degree from a CSU campus, a student must complete 48 units of general education. A community college can certify 39 of these units as having fulfilled the CSU lower division general education requirements. The remaining 9 units of upper-division general education coursework are to be taken at the CSU campus after transfer. A course can only be certified if it was approved for CSU GE when it was taken.

**Note: Riverside City College and Moreno Valley College are separate colleges and the courses that are approved for CSU GE may vary. Students who wish to take courses at another institution and apply them towards CSU GE should always first consult with a counselor to make sure the course will fulfill the intended requirement.**

#### A. English Language Communication and Critical Thinking (min. 9 semester or 12 quarter units) – Select one course from each group: *Grades of “C” or better are required.*

##### A-1: Oral Communication:

COM-1 Public Speaking or  
COM-1H Honors Public Speaking  
COM-6 Dynamics of Small Group Communication  
COM-9 Interpersonal Communication or  
COM-9H Honors Interpersonal Communication

##### A-3: Critical Thinking:

COM-2 Persuasion in Rhetorical Perspective  
COM-3 Argumentation and Debate  
ENG-1B Critical Thinking and Writing or  
ENG-1BH Honors Critical Thinking and Writing

##### A-2: Written Communication:

ENG-1A English Composition or  
ENG-1AH Honors English Composition

MAT-32 Introduction to Symbolic Logic (Same as PHI-32)  
PHI-11 Critical Thinking  
PHI-32 Introduction to Symbolic Logic (Same as MAT-32)  
REA-4 Critical Reading as Critical Thinking

#### B. Scientific Inquiry and Quantitative Reasoning (min. 9 semester or 12 quarter units) – Select one course from each group: *Also, one of the science courses must have a lab—see underlined courses.*

##### B-1: Physical Science:

CHE-1A General Chemistry, I  
CHE-1B General Chemistry, II  
CHE-2A Introductory Chemistry, I  
CHE-2B Introductory Chemistry, II  
CHE-3 Fundamentals of Chemistry  
CHE-10 Chemistry for Everyone  
CHE-12A Organic Chemistry, I

CHE-12B Organic Chemistry, II  
GEG-1 Physical Geography or  
GEG-1H Honors Physical Geography  
GEG-1L Physical Geography Laboratory  
(has a Corequisite of GEG-1 or 1H)  
GEG-5 Weather and Climate  
PHS-1 Introduction to Physical Science

PHY-2A General Physics I  
PHY-2B General Physics II  
PHY-4A Mechanics  
PHY-4B Electricity and Magnetism  
PHY-4C Heat, Light and Waves  
PHY-10 Introduction to General Physics  
PHY-11 Physics Lab (has a Corequisite of PHY-10)

##### B-2: Life Science:

ANT-1 Physical Anthropology or  
ANT-1H Honors Physical Anthropology  
ANT-1L Physical Anthropology Laboratory  
(has a Corequisite of ANT-1 or 1H)  
BIO-1 General Biology or  
BIO-1H Honors General Biology  
BIO-3 Field Botany  
BIO-4 Human Biology (Formerly BIO-17)

BIO-5 General Botany  
BIO-7 Marine Biology  
BIO-8 Principles of Ecology  
BIO-10 Life Science Principles  
BIO-18 Human Genetics (Formerly BIO-34)  
BIO-19 Environmental Sci. (Formerly BIO-36)  
BIO-45 Survey of Human Anatomy and Physiology (Formerly AMY-10)

BIO-50A Anatomy and Physiology I (Formerly AMY-2A)  
BIO-50B Anatomy and Physiology II (Formerly AMY-2B)  
BIO-55 Microbiology (Formerly MIC-1)  
BIO-60 Introduction to Molecular and Cellular Biology  
(Formerly BIO-11)  
BIO-61 Introduction to Organismal and Population Biology  
(Formerly BIO-12)  
PSY-2 Biological Psychology

##### B-3: Laboratory Activity:

This requirement is satisfied by completion of any course in B-1 or B-2 with a laboratory. Lab courses are underlined.

##### B-4: Mathematics/Quantitative Reasoning (Grade of “C” or better is required; min. 3 semester or 4 quarter units):

MAT-1A Calculus I  
MAT-1B Calculus II  
MAT-1C Calculus III  
MAT-2 Differential Equations  
MAT-3 Linear Algebra

MAT-5 Calculus for Business and Life Science  
MAT-10 Pre-Calculus  
MAT-11 College Algebra  
MAT-12 Statistics or  
MAT-12H Honors Statistics

MAT-25 Mathematics for the Liberal Arts Student  
MAT-36 Trigonometry  
PSY/SOC-48 Statistics for the Behavioral Sciences

#### C. Arts and Humanities (min. 9 semester or 12 quarter units) – Select three courses, *with at least one course from “Arts” and one course from “Humanities”:*

##### C-1: Arts:

ARE-35 History of Architecture – Beginning through Gothic  
ARE-36 History of Architecture – Renaissance to Modern  
ART-1 History of Western Art: Prehistoric, Ancient and Medieval  
ART-2 History of Western Art: Renaissance through Contemporary or  
ART-2H Honors History of Western Art: Renaissance through Contemporary  
ART-5 History of Non-Western Art

ART-6 Art Appreciation or  
ART-6H Honors Art Appreciation  
ART-7 Women Artists in History  
ART-9 African Art History  
ART-10 Modern and Contemporary Art History  
ART-12 Asian Art History  
ART-13 Pre-Columbian Art History  
ART-14 Latin American Art: Colonial to the Present  
COM-7 Oral Interpretation of Literature  
COM-11 Storytelling

DAN-6 Dance Appreciation  
GAM-21 History of Video Games  
MUS-3 Fundamentals of Music  
MUS-19 Music Appreciation or  
MUS-19H Honors Music Appreciation  
MUS-23 History of Rock and Roll  
MUS-25 Jazz Appreciation  
MUS-89 Music of Multicultural America or  
MUS-89H Honors Music of Multicultural America  
THE-3 Introduction to the Theater  
THE-29 Musical Theater Appreciation

##### C-2: Humanities:

COM-7 Oral Interpretation of Literature  
ENG-1B Critical Thinking and Writing or  
ENG-1BH Honors Critical Thinking and Writing  
ENG-6 British Literature I: Anglo-Saxon through 18<sup>th</sup> century  
ENG-7 British Literature II: Romanticism through Postmodernism

ENG-47 Inlandia: Regional Writing about the Inland Empire  
ENG-48 Short Story and Novel from 20<sup>th</sup> Century  
FRE-1 French 1  
FRE-2 French 2  
FRE-8 Intermediate Conversation  
HIS-1 History of World Civilizations I

HUM-5H Honors Arts and Ideas: The Renaissance through the Modern Era  
HUM-8 Intro. to Mythology (Same as ENG-8)  
HUM-9 American Voices  
HUM-10 World Religions or  
HUM-10H Honors World Religions  
HUM-11 Religion in America

**C-2: Humanities (Continued):**

ENG-8 Intro. to Mythology (Same as HUM-8)  
 ENG-9 Introduction to Shakespeare  
 ENG-11 Creative Writing  
 ENG-14 American Literature I: Pre- Contact through the Civil War  
 ENG-15 American Literature II: 1860 to Present  
 ENG-16 Introduction to Linguistics  
 ENG-20 Survey of African American Literature  
 ENG-23 The Bible as Literature (Same as HUM-23)  
 ENG-30 Children's Literature  
 ENG-35 Images of Women in Literature  
 ENG-40 World Literature I: From Ancient Literatures to the 17<sup>th</sup> Century  
 ENG-41 World Literature II: 17<sup>th</sup> Century Through the Present  
 ENG-44 Poetry from 20<sup>th</sup> century to the Present  
 ENG-45 Modern Drama

HIS-2 History of World Civilizations II  
 HIS-6 Political and Social History of the U.S. or HIS-6H Honors Political and Social History of the U.S.  
 HIS-7 Political and Social History of the U.S. or HIS-7H Honors Political and Social History of the U.S.  
 HIS-14 African American History I  
 HIS-25 History of Mexico  
 HIS-26 History of California  
 HIS-31 Introduction to Chicano/a Studies  
 HIS-34 History of Women in America  
 HUM-4 Arts and Ideas: Ancient World through the Late Medieval Period or  
 HUM-4H Honors Arts and Ideas: Ancient World through the Late Medieval Period  
 HUM-5 Arts and Ideas: The Renaissance through the Modern Era or

HUM-18 Death: An Interdisciplinary Perspective  
 HUM-23 The Bible as Literature (Same as ENG-23)  
 HUM-35 Philosophy of Religion (Same as PHI-35)  
 PHI-10 Introduction to Philosophy or  
 PHI-10H Honors Introduction to Philosophy  
 PHI-12 Intro. to Ethics: Contemporary Moral Issues  
 PHI-15 Bio-Medical Ethics  
 PHI-19 Native American Thought  
 PHI-22 Philosophy of Science  
 PHI-33 Intro. to Social and Political Philosophy  
 PHI-35 Philosophy of Religion (Same as HUM-35)  
 SPA-1 Spanish 1  
 SPA-2 Spanish 2  
 SPA-3 Spanish 3  
 SPA-4 Spanish 4  
 SPA-8 Intermediate Conversation  
 SPA-11 Spanish Culture and Civilization  
 SPA-12 Latin American Culture and Civilization

**D. Social Sciences (min. 9 semester or 12 quarter units) – Select three courses from at least two disciplines:**

ADJ-1 Introduction to Administration of Justice  
 ADJ-3 Concepts of Criminal Law  
 ADJ-9 Law in American Society  
 ANT-2 Cultural Anthropology or  
 ANT-2H Honors Cultural Anthropology  
 ANT-3 Prehistoric Cultures  
 ANT-4 Native American Cultures  
 ANT-5 Cultures of Ancient Mexico  
 ANT-6 Introduction to Archaeology  
 ANT-7 Anthropology of Religion  
 ANT-8 Language and Culture  
 COM-9 Interpersonal Communication or  
 COM-9H Honors Interpersonal Communication  
 COM-12 Intercultural Communication  
 COM-13 Gender and Communication  
 COM-20 Introduction to Communication Theory  
 EAR-20 Child Growth and Development  
 EAR-42 Child, Family and Community  
 ECO-4 Introduction to Economics  
 ECO-7 Principles of Macroeconomics or  
 ECO-7H Honors Principles of Macroeconomics  
 ECO-8 Principles of Microeconomics or

ECO-8H Honors Principles of Microeconomics  
 GEG-2 Human Geography  
 GEG-3 World Regional Geography  
 GEG-4 Geography of California  
 GEG-6 Geography of the U. S. and Canada  
 HIS-1 History of World Civilizations I  
 HIS-2 History of World Civilizations II  
 HIS-6 Political and Social History of the U.S. or HIS-6H Honors Political and Social History of the U.S.  
 HIS-7 Political and Social History of the U.S. or HIS-7H Honors Political and Social History of the U.S.  
 HIS-14 African American History I  
 HIS-25 History of Mexico  
 HIS-26 History of California  
 HIS-31 Introduction to Chicano/a Studies  
 HIS-34 History of Women in America  
 JOU-7 Mass Communications  
 POL-1 American Politics or  
 POL-1H Honors American Politics  
 POL-2 Comparative Politics

POL-4 Intro. to World Politics or  
 POL-4H Honors Intro. to World Politics  
 POL-5 The Law and Politics  
 POL-7A Current Political Issues  
 POL-11 Political Theory  
 POL-13 Intro. to American Foreign Policy  
 PSY-1 General Psychology or  
 PSY-1H Honors General Psychology  
 PSY-8 Introduction to Social Psychology  
 PSY-9 Developmental Psychology  
 PSY-33 Theories of Personality  
 PSY-35 Abnormal Psychology  
 PSY-50 Research Methods in Psychology  
 SOC-1 Introduction to Sociology or  
 SOC-1H Honors Introduction to Sociology  
 SOC-2 American Social Problems  
 SOC-3 Social Inequality  
 SOC-10 Race and Ethnic Relations  
 SOC-12 Marriage and Family Relations  
 SOC-15 Women in American Society  
 SOC-20 Introduction to Criminology  
 SOC-50 Introduction to Social Research Methods

**E. Lifelong Learning and Self-Development (min. 3 semester or 4 quarter units):**

BIO-16 Human Reproduction and Sexual Behavior (Formerly BIO-30)  
 EAR-20 Child Growth and Development  
 EAR-42 Child, Family and Community  
 GUI-47 Career Exploration and Life Planning

GUI-48 College Success Strategies (2 units only)  
 HES-1 Health Science  
 KIN-4 Nutrition  
 KIN-10 Introduction to Kinesiology  
 KIN-35 Foundation for Fitness and Wellness

KIN-36 Wellness: Lifestyle Choices  
 KIN-38 Stress Management  
 PSY-9 Developmental Psychology  
 PSY-33 Theories of Personality  
 SOC-12 Marriage and Family Relations

**Activity courses - Only 1 unit of activity coursework may be applied towards area E. Students may complete GUI-48 combined with 1 unit from the approved activity courses listed below in order to fulfill the 3 units required in area E:**

KIN-A3 Adaptive Physical Fitness  
 KIN-A20 Golf, Beginning  
 KIN-A21 Golf, Intermediate  
 KIN-A40 Karate, Beginning  
 KIN-A41 Karate, Intermediate  
 KIN-A46 Hatha Yoga, Beginning  
 KIN-A47 Hatha Yoga, Intermediate  
 KIN-A55 Slow Pitch Softball

KIN-A64 Soccer  
 KIN-A75A Walking for Fitness, Beginning  
 KIN-A75B Walking for Fitness, Intermediate  
 KIN-A77A Jogging for Fitness, Beginning  
 KIN-A77B Jogging for Fitness, Intermediate  
 KIN-A77C Jogging for Fitness, Advanced  
 KIN-A81A Physical Fitness, Beginning  
 KIN-A81B Physical Fitness, Intermediate

KIN-A83 Kickboxing Aerobics  
 KIN-A90A Weight Training, Beginning  
 KIN-A90B Weight Training, Intermediate  
 KIN-A90C Weight Training, Advanced  
 KIN-V10 Soccer, Varsity Men  
 KIN-V25 Soccer, Varsity Women  
 KIN-V95 Out of Season Varsity Sport Condition.

**Military veterans who submit a DD214 will be awarded a full 3 units towards area E certification.**

**CSU Graduation Requirement in United States History, Constitution and Government:**

Although this is not part of the general education requirements, it is a CSU graduation requirement that you can complete at a community college before you transfer. HIS-6 or 6H, 7 or 7H, 14, 31, or 34 may also be used to partially fulfill area C or D. POL-1 or 1H may also be used to partially fulfill area D.

**1. U.S. History**

HIS-6 Political and Social History of the U.S. or  
 HIS-6H Honors Political and Social History of the U.S.  
 HIS-7 Political and Social History of the U.S. or  
 HIS-7H Honors Political and Social History of the U.S.  
 HIS-14 African American History I  
 HIS-31 Introduction to Chicano/a Studies  
 HIS-34 History of Women in America

**2. Constitution and Government**

POL-1 American Politics or  
 POL-1H Honors American Politics

**Note:** Norco College's POL-1 fulfills the CSU graduation requirement in both U.S. government and California state and local government. Students with a score of 3 or higher on the AP U.S. Government and Politics exam or who have taken a U.S. government class at an out-of-state institution may have fulfilled the U.S. government requirement but will still need to fulfill the California state and local government in order to graduate from the CSU.

**Notes:**

1. Courses cannot be double-counted to satisfy more than one area, even if a course is listed in more than one area.
2. Upper division transfer students will need to complete a minimum of 60 transferable units, their "Golden 4" courses, and at least 30 units of general education.
3. "Golden 4 courses" in areas A-1, A-2, A-3, and B-4 must be completed with grades of "C" or better.
4. It is highly recommended to make an appointment with a counselor to ensure proper academic planning and to complete a student educational plan (SEP).



**Norco College**  
**Intersegmental General Education Transfer Curriculum (IGETC) 2018-2019**  
**For Transfer to CSU and UC**

Completion of the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from a community college to a campus in either the California State University (CSU) or University of California (UC) system without the need to take additional lower-division general education courses. For certain majors at some of the UC campuses it may be more advantageous to complete a campus-specific general education pattern. IGETC certification is valid for community college transfer students only. Those who have already transferred to the CSU/UC systems may under some circumstances return to Norco College to complete IGETC requirements. A course can only be certified if it was approved for IGETC when it was taken.

**Note: Riverside City College and Moreno Valley College are separate colleges and the courses that are approved for IGETC may vary. Students who wish to take courses at another institution and apply them towards IGETC should always first consult with a counselor to make sure the course will fulfill the intended requirement.**

Transfer students will receive IGETC certification after completing all of the subject areas below with a min. "C" grade or better (A grade of "C-" is not acceptable.)

**Area 1 - English Communication (min. 6-9 semester or 8-12 quarter units) -**

**CSU – 3 courses required; select one from each group:**

**UC – 2 courses required; select one from group 1A and one from group 1B:**

**1A - English Composition:**

ENG-1A English Composition or  
 ENG-1AH Honors English Composition

**1C - Oral Communication: (CSU requirement only)**

COM-1 Public Speaking or  
 COM-1H Honors Public Speaking  
 COM-6 Dynamics of Small Group Communication  
 COM-9 Interpersonal Communication or  
 COM-9H Honors Interpersonal Communication

**1B - Critical Thinking – English Composition:**

ENG-1B Critical Thinking and Writing or  
 ENG-1BH Honors Critical Thinking and Writing

**Area 2 – Mathematical Concepts and Quantitative Reasoning (min. 3 semester or 4 quarter units) – select one course:**

MAT-1A Calculus I**	MAT-3 Linear Algebra	MAT-12 Statistics or
MAT-1B Calculus II	MAT-5 Calculus for Business and Life Science**	MAT-12H Honors Statistics
MAT-1C Calculus III	MAT-10 Precalculus**	MAT-25 Mathematics for the Liberal Arts Student
MAT-2 Differential Equations	MAT-11 College Algebra**	PSY/SOC-48 Statistics for the Behavioral Sciences

**Area 3 – Arts and Humanities (min. 9 semester or 12 quarter units) –**

**Select three courses, with at least one course from the “Arts” and one course from the “Humanities”:**

**3A – Arts:**

ARE-35 History of Architecture - Beginning through Gothic	ART-5 History of Non-Western Art	GAM-21 History of Video Games
ARE-36 History of Architecture - Renaissance through Modern	ART-6 Art Appreciation or	MUS-3 Fundamentals of Music
ART-1 History of Western Art: Pre- Historic, Ancient, and Medieval	ART-6H Honors Art Appreciation	MUS-19 Music Appreciation or
ART-2 History of Western Art: Renaissance through Contemporary or	ART-7 Women Artists in History	MUS-19H Honors Music Appreciation
ART-2H Honors History of Western Art: Renaissance through Contemporary	ART-9 African Art History	MUS-23 History of Rock and Roll
	ART-10 Modern and Contemporary Art History	MUS-25 Jazz Appreciation
	ART-12 Asian Art History	MUS-89 Music of Multicultural America or
	ART-13 Pre-Columbian Art History	MUS-89H Honors Music of Multicultural America
	ART-14 Latin American Art: Colonial to the Present	THE-3 Introduction to the Theatre
	DAN-6 Dance Appreciation	THE-29 Musical Theater Appreciation

**3B – Humanities:**

COM-12 Intercultural Communication*	ENG-48 Short Story and Novel from the 20 <sup>th</sup> Century	HUM-8 Introduction to Mythology (Same as ENG-8)
ENG-6 British Literature I: Anglo-Saxon through 18 <sup>th</sup> Century	FRE-2 French 2	HUM-9 American Voices
ENG-7 British Literature II: Romanticism through Postmodernism	FRE-8 Intermediate Conversation	HUM-10 World Religions or
ENG-8 Introduction to Mythology (Same as HUM-8)	HIS-1 History of World Civilizations I*	HUM-10H Honors World Religions
ENG-9 Introduction to Shakespeare	HIS-2 History of World Civilizations II*	HUM-11 Religion in America
ENG-14 American Literature I: Pre-Contact through Civil War	HIS-6 Political and Social History of the U.S.* or HIS-6H Honors Political and Social History of the U.S.*	HUM-18 Death: An Interdisciplinary Perspective
ENG-15 American Literature II: 1860 to the Present	HIS-7 Political and Social History of the U.S.*	HUM-23 The Bible as Literature (Same as ENG-23)
ENG-16 Introduction to Linguistics	HIS-7H Honors Political and Social History of the U.S.*	HUM-35 Philosophy of Religion (Same as PHI-35)
ENG-20 Survey of African American Literature	HIS-14 African American History I*	PHI-10 Introduction to Philosophy or
ENG-23 The Bible as Literature (Same as HUM-23)	HIS-25 History of Mexico*	PHI-10H Honors Introduction to Philosophy
ENG-30 Children’s Literature	HIS-26 History of California*	PHI-12 Intro. to Ethics: Contemporary Moral Issues
ENG-35 Images of Women in Literature	HIS-31 Introduction to Chicano/a Studies*	PHI-19 Native American Thought
ENG-40 World Literature I: From Ancient Literatures to the 17 <sup>th</sup> Century	HIS-34 History of Women in America*	PHI-22 Philosophy of Science
ENG-41 World Literature II: 17 <sup>th</sup> Century Through the Present	HUM-4 Arts and Ideas: Ancient World through the Late Medieval Period or	PHI-33 Introduction to Social and Political Philosophy
ENG-44 Poetry from the 20 <sup>th</sup> Century to the Present	HUM-4H Honors Arts and Ideas: Ancient World through the Late Medieval Period	PHI-35 Philosophy of Religion (Same as HUM-35)
ENG-45 Modern Drama	HUM-5 Arts and Ideas: The Renaissance through the Modern Era or	SPA-2 Spanish 2
ENG-47 Inlandia: Regional Writing about the Inland Empire	HUM-5H Honors Arts and Ideas: The Renaissance through the Modern Era	SPA-3 Spanish 3
		SPA-4 Spanish 4
		SPA-8 Intermediate Conversation
		SPA-11 Spanish Culture and Civilization
		SPA-12 Latin American Culture and Civilization

### Area 4 – Social and Behavioral Sciences (min. 9 semester or 12 quarter units) – Select three courses from at least two disciplines:

ADJ-1 Introduction to the Administration of Justice	ECO-8H Honors Principles of Microeconomics	POL-4 Introduction to World Politics or
ADJ-3 Concepts of Criminal Law	GEG-2 Human Geography	POL-4H Honors Introduction to World Politics
ADJ-9 Law in American Society	GEG-3 World Regional Geography	POL-5 The Law and Politics
ANT-1 Physical Anthropology* or	GEG-4 Geography of California	POL-11 Political Theory
ANT-1H Honors Physical Anthropology*	GEG-6 Geography of the U.S. and Canada	POL-13 Introduction to American Foreign Policy
ANT-2 Cultural Anthropology or	HIS-1 History of World Civilizations I*	PSY-1 General Psychology or
ANT-2H Honors Cultural Anthropology	HIS-2 History of World Civilizations II*	PSY-1H Honors General Psychology
ANT-3 Prehistoric Culture	HIS-6 Political and Social History of the U.S. * or	PSY-2 Biological Psychology*
ANT-4 Native American Cultures	HIS-6H Honors Political and Social History of the U.S.*	PSY-8 Introduction to Social Psychology
ANT-5 Cultures of Ancient Mexico	HIS-7 Political and Social History of the U.S. * or	PSY-9 Developmental Psychology
ANT-6 Introduction to Archaeology	HIS-7H Honors Political and Social History of the U.S.*	PSY-33 Theories of Personality
ANT-7 Anthropology of Religion	HIS-14 African American History I*	PSY-35 Abnormal Psychology
ANT-8 Language and Culture	HIS-25 History of Mexico*	PSY-50 Research Methods in Psychology
COM-12 Intercultural Communication*	HIS-26 History of California*	SOC-1 Introduction to Sociology or
COM-13 Gender and Communication	HIS-31 Introduction to Chicano/a Studies*	SOC-1H Honors Introduction to Sociology
COM-20 Introduction to Communication Theory	HIS-34 History of Women in America*	SOC-2 American Social Problems
EAR-20 Child Growth and Development	JOU-7 Mass Communications	SOC-3 Social Inequality
ECO-4 Introduction to Economics**	POL-1 American Politics or	SOC-10 Race and Ethnic Relations
ECO-7 Principles of Macroeconomics or	POL-1H Honors American Politics	SOC-12 Marriage and Family Relations
ECO-7H Honors Principles of Macroeconomics	POL-2 Comparative Politics	SOC-15 Women in American Society
ECO-8 Principles of Microeconomics or		SOC-20 Introduction to Criminology
		SOC-50 Introduction to Social Research Methods

### Area 5 – Physical and Biological Sciences (min. 7 semester or 9 quarter units) – Select at least one Physical and one Biological Science course. One of the two courses must include a lab – see underlined courses:

#### 5A – Physical Science:

CHE-1A General Chemistry, I  
CHE-1B General Chemistry, II  
CHE-2A Introductory Chemistry, I\*\*  
CHE-2B Introductory Chemistry, II  
CHE-3 Fundamentals of Chemistry\*\*  
CHE-10 Chemistry for Everyone\*\*  
CHE-12A Organic Chemistry, I

CHE-12B Organic Chemistry, II  
 GEG-1 Physical Geography  
 GEG-1H Honors Physical Geography  
GEG-1L Physical Geography Laboratory  
 (has a Corequisite of GEG-1 or 1H)  
 GEG-5 Weather and Climate  
 PHS-1 Introduction to Physical Science

PHY-2A General Physics I\*\*  
PHY-2B General Physics II\*\*  
PHY-4A Mechanics\*\*  
PHY-4B Electricity and Magnetism\*\*  
PHY-4C Heat, Light and Waves\*\*  
PHY-10 Introduction to General Physics\*\*  
PHY-11 Physics Lab (has a Corequisite of PHY-10)

#### 5B – Biological Science:

ANT-1 Physical Anthropology\* or  
 ANT-1H Honors Physical Anthropology\*  
ANT-1L Physical Anthropology Laboratory  
 (has a Corequisite of ANT-1 or 1H)  
BIO-1 General Biology or  
BIO-1H Honors General Biology  
BIO-3 Field Botany  
BIO-4 Human Biology (Formerly BIO-17)

BIO-5 General Botany  
BIO-7 Marine Biology  
BIO-8 Principles of Ecology\*\*  
BIO-10 Life Science Principles\*\*  
BIO-18 Human Genetics (Formerly BIO-34)  
BIO-19 Environmental Sci.\*\* (Formerly BIO-36)  
BIO-45 Survey of Human Anatomy and Physiology  
 (Formerly AMY-10)

BIO-50A Anatomy and Physiology I (Formerly AMY-2A)  
BIO-50B Anatomy and Physiology II (Formerly AMY-2B)  
BIO-55 Microbiology (Formerly MIC-1)  
BIO-60 Introduction to Molecular and Cellular Biology  
 (Formerly BIO-11)  
BIO-61 Introduction to Organismal and Population Biology  
 (Formerly BIO-12)  
 PSY-2 Biological Psychology\*

**5C – Science Laboratory:** This requirement is satisfied by completion of any course in 5A or 5B with a laboratory. Lab courses are underlined.

### Area 6 – Languages Other Than English (Select one course – UC requirement only):

#### 6A:

FRE-1 French 1  
 FRE-2 French 2  
 SPA-1 Spanish 1  
 SPA-2 Spanish 2  
 SPA-3 Spanish 3  
 SPA-4 Spanish 4

**Or 6B:** Proficiency equivalent to two years of high school in the same language. (Students from non-English speaking countries should see a counselor for language proficiency equivalencies.)

### CSU Graduation Requirement Only in United States History, Constitution and Government:

Although this is not part of the IGETC, it is a CSU graduation requirement that you can complete at a community college before you transfer. HIS-6 or 6H, 7 or 7H, 14, 31, or 34 may also be used to partially fulfill area 3B or 4. POL-1 or 1H may also be used to partially fulfill area 4.

#### 1. U.S. History

HIS-6 Political and Social History of the U.S. or  
 HIS-6H Honors Political and Social History of the U.S.  
 HIS-7 Political and Social History of the U.S. or  
 HIS-7H Honors Political and Social History of the U.S.  
 HIS-14 African American History I  
 HIS-31 Introduction to Chicano/a Studies  
 HIS-34 History of Women in America

#### 2. Constitution and Government

POL-1 American Politics or  
 POL-1H Honors American Politics

**Note:** Norco College's POL-1 fulfills the CSU graduation requirement in both U.S. government and California state and local government. Students with a score of 3 or higher on the AP U.S. Government and Politics exam or who have taken a U.S. government class at a regionally accredited out-of-state institution may have fulfilled the U.S. government requirement but will still need to fulfill the California state and local government in order to graduate from the CSU.

**IGETC Advisement:** Former UC, CSU and students with coursework from other four-year institutions, including outside the U.S., should consult with a counselor to determine whether they should complete IGETC or the lower-division general education requirements at the campus they plan to attend.

For the UC: Students who initially enroll at a UC campus, then leave and attend a California Community College, and subsequently return to the same UC campus, are considered "re-admits" by the UC. Such students cannot use IGETC. However, students who enroll at a UC campus, then leave and attend a California Community College, and subsequently return to a different UC campus may use the IGETC pattern. It is recommended that students meet with a counselor to discuss possible further IGETC limitations.

#### Notes:

- \* Courses cannot be double-counted to satisfy more than one area, even if a course is listed in more than one area. The only exceptions to this are several courses in Area 6A – Language Other Than English, which can also be counted towards area 3B.
- \*\* UC limits transfer credit for some courses. Students may review the UC Transfer Course Agreement (TCA) with a counselor for information on course limitations.
- Some of the UC campuses do not accept or recommend IGETC for certain majors, (i.e. Engineering, Sciences). Students should consult with a counselor to determine the most appropriate general education pattern for their major and intended transfer institution. For updated information about IGETC limitations visit: <http://admission.universityofcalifornia.edu/transfer/general-education-igetc/igetc/igetc-campus-guidance/index.html>
- It is highly recommended to make an appointment with a counselor to complete a student educational plan (SEP).

### ***INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM FOR STEM***

**IGETC for STEM** - Students pursuing certain Associate Degrees for Transfer may be eligible to complete IGETC for STEM, deferring two to three lower-division GE courses until after transfer. IGETC for STEM is applicable only to majors in which the Transfer Model Curriculum explicitly indicates the availability of the option. **At Norco College, currently only ADT's in Biology and Chemistry allow IGETC for STEM.**

**“IGETC for STEM” certification as part of an Associate Degree for Transfer in Biology or Chemistry would require: Complete the following courses *before* transfer:**

- All courses in Areas 1 (except 1C for UC-bound students), 2, and 5 of the traditional IGETC; and
- One course in Area 3A; one course in Area 3B; and two courses in Area 4 from two different disciplines.

**Complete the following courses *after* transfer:**

- One remaining lower-division general education course in Area 3;\*
- One remaining lower-division general education course in Area 4;\* and
- One course in Area 6 for UC-bound students who have not satisfied it through proficiency.\*

\*These deferred lower division courses must be replaced with calculus and/or science courses required by the major before transfer. *Please consult with a Norco College counselor to discuss which general education pattern is the best option for you based on your individual major, goals, and transfer institution.*

### ***CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION FOR STEM***

**CSU GE for STEM** - Students pursuing certain Associate Degrees for Transfer may be eligible to complete CSU GE for STEM, deferring two lower-division GE courses until after transfer. CSU GE for STEM is applicable only to majors in which the Transfer Model Curriculum explicitly indicates the availability of the option. **At Norco College, currently only the ADT in Biology allows CSU GE for STEM.**

**“CSU GE Breadth for STEM” certification as part of an Associate Degree for Transfer in Biology would require that the student has completed:**

- a. All courses in Areas A, B, and E of the traditional GE Breadth curriculum; and
- b. One course in Area C1 Arts and one course in Area C2 Humanities; and
- c. Two courses in Area D from two different disciplines.

*Please consult with a Norco College counselor to discuss which general education pattern is the best option for you based on your individual major, goals, and transfer institution.*

