

CUYAMACA COLLEGE

2017-2018 CATALOG  
- ADDENDUM -



YOUR  
GUIDED PATHWAY  
TO  
SUCCESS





C U Y A M A C A  
· C O L L E G E ·

# Addendum to the 2017-2018 Catalog

Corrections and Additions occurring after publication  
of the Catalog (July 18, 2017)

May 23, 2018



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Comments:

Revised Administrators\*^

CUYAMACA COLLEGE ADMINISTRATION

Julianna Barnes, Ed.D. ....	President
Sahar Abushaban .....	Vice President, Administrative Services
Patrick Setzer .....	Vice President, Instruction
Jessica Robinson, Ed.D.^ .....	Vice President, Student Services
Brianna Hays .....	Senior Dean, Institutional Effectiveness, Success & Equity
Nicole Jones .....	Dean, Counseling Services
Jodi Reed^ .....	Acting Dean, Learning & Technology Resources
Larry McLemore .....	Dean, Career & Technical Education (Automotive Technology, Business and Professional Studies, Child Development, CADD Technology & Surveying, CIS & Graphic Design, Environmental Health & Safety Management, Ornamental Horticulture, Water and Wastewater Technology)
Pamela Kersey, Ed.D. ....	Dean, Math, Science & Engineering (Exercise Science/Health Education, Mathematical Sciences, Science/Engineering)
Alicia Muñoz .....	^Dean, Arts, Humanities & Social Sciences (Art, American Sign Language, Communication, English, English as a Second Language, History, Social and Behavioral Sciences, Humanities, Philosophy and Religious Studies, Performing Arts, World Languages)
Lauren Vaknin, Ed.D. ....	^Dean, Student Affairs
Terry Davis* .....	Interim Associate Dean, Athletics
Jesús Miranda .....	Associate Dean, Student Equity & Engagement
Agustin Orozco^ .....	Associate Dean, Student Services and Special Programs
Gregory Vega .....	Director, Admissions & Records
Bruce Farnham .....	Director, Campus Facilities, Operations & Maintenance
Ray Reyes .....	Director, Financial Aid
John Escobedo, Ph.D. ....	Director, Title V Activities
Michael Gilchrist .....	Manager, Campus Bookstore

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**Comments:**

Added trademark symbol to second paragraph, see GI Bill®^

## VETERANS SERVICES

Upon filing an application for admission to Cuyamaca College, a veteran should immediately contact the Veterans Certifying Official in the Veterans Office (A-200). Military form DD-214 must be presented to the Veterans Office in order to take advantage of veteran's benefits.

Veterans must request official transcripts of all previous college work, including military transcripts of service (AART, CGIT, CCAF or JST), be sent to the Admissions and Records Office. All transcripts must be received and evaluated before enrollment will be submitted to Veterans Affairs for educational benefits. An official transcript is one that has been sent directly to Cuyamaca College from the issuing institution or one that is hand carried in a sealed envelope. Students not taking advantage of the GI Bill® benefits who wish to receive credit should also submit official transcripts.

Credit may be granted for military service schools as recommended in the publication *A Guide to Evaluation of Educational Experiences in the Armed Forces*, published by the American Council on Education (ACE). Military credit will be counted toward graduation as general education for military courses substantially similar to coursework offered by Cuyamaca College, or elective credit, unless specifically accepted by a department for use within a student's major. A maximum of 20 units of military credit (including up to 3 units of Exercise Science) will be allowed. Students should meet with the veterans' counselor to request an Evaluation of Military Credit.

Veterans who have completed at least one year of honorable active service will receive up to 3 units of credit for Exercise Science activity that will meet the graduation requirement at Cuyamaca College.

Students planning to transfer should consult the catalog of the four-year institution for granting of military credit; award varies. Those planning to transfer to a CSU may be able to satisfy Area E, Lifelong Learning, on CSU GE Breadth. To receive this credit for military service, a DD-214 and appropriate military records must be submitted to the Veterans Office.

A veteran may not repeat a course and receive veterans' benefits where a "D" or "F" grade was received unless the course is required for graduation or a grade of "C" is required for the degree.

Veterans should pay special attention to add/drop deadlines and consult the campus Veterans Office when any change in enrollment is made.

If any veteran or dependent receiving VA educational benefits has been on academic or lack of progress probation for two consecutive semesters, Cuyamaca College will not certify the student's enrollment to the VA for payment

of benefits until the cumulative GPA at the GCCCD has improved to a 2.0.

Any veteran who petitions for readmission to the college following disqualification must meet with the veterans' counselor and have the counselor make a recommendation on the petition prior to being considered for readmission.

Veterans should be aware that short-term classes and other flexible schedules may affect benefits. Before registering, check with the veterans' counselor or the Veterans Certifying Official in the Veterans Office in A-200 about the implications of taking short-term courses.

### California College Fee Waiver (CalVet)

The children and spouses of U.S. veterans with service-connected disabilities or veterans who have died in service or from service-connected disabilities may be eligible for waiver of College fees. The student must submit the VA letter of eligibility to the Financial Aid Office.

### Servicemembers Opportunity Program (SOC)

As a Servicemember Opportunity College, Cuyamaca College provides academic assistance to active-duty personnel which includes program planning and guidance in understanding educational options, acceptance of traditional and nontraditional learning experiences, tutoring, or similar learning opportunities.

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**Comments:**

Revisions and corrections to the Advanced Placement Chart for the 2017-2018 catalog\*

**Advanced Placement (AP)**

As indicated in the chart at right, credit is awarded for AP examinations passed with a score of 3 or above. Credit may be applied to specific general education areas (third column) and fulfill major courses (fourth column). Elective units are granted for examinations that do not fit into general education areas and/or fulfill major courses. In the Grossmont-Cuyamaca Community College District, the manner in which credit is awarded mirrors the California State University General Education (CSU GE) Breadth certification. Transfer students should check the catalog of the four-year institution to see how AP credits are awarded outside of general education (how credits are applied to major coursework). For the chart below, the following definitions apply:

**GCCCD** = Grossmont-Cuyamaca Community College District

**CC** = Cuyamaca College

**GC** = Grossmont College

**CSU** = California State University General Education Breadth Certification

**UC** = University of California

**IGETC** = Intersegmental General Education Transfer Curriculum

**CCC** = California Community College General Education Advanced Placement (minimum units)

<b>AP EXAM</b>	<b>TOTAL UNITS AWARDED</b>	<b>GENERAL EDUCATION</b>	<b>GCCCD MAJOR COURSES FULFILLED</b>
<i>Art History</i>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	CC: 3, Area C CSU GE: 3, Area C1 or C2 IGETC: 3, Area 3A or 3B CCC: 3, Humanities	ART 140, 141
<i>Biology</i>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 4	CC: 4, Area B CSU GE: 4, Area B2, B3 IGETC: 4, Area 5B, 5C CCC: 4, Natural Sciences	CC: BIO 130, 131 GC: BIO 120
<i>Calculus AB</i>	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	CC: 3, Area A CSU GE: 3, Area B4 IGETC: 3, Area 2A CCC: 3, Language and Rationality	MATH 180
<i>Calculus BC</i>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	CC: 3, Area A CSU GE: 3, Area B4 IGETC: 3, Area 2A CCC: 3, Language and Rationality	MATH 280
<i>Calculus BC/AB Subscore</i>	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	CC: 3, Area A CSU GE: 3, Area B4 IGETC: 3, Area 2A CCC: 3, Language and Rationality	MATH 180
<i>Chemistry</i>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 4	CC: 4, Area B CSU GE: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: 4, Natural Sciences	See Department Chair
<i>Chinese Language &amp; Culture</i>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	CC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	CHIN 120, 121
<i>Comparative Government &amp; Politics</i>	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	CC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4H CCC: 3, Social/Behavioral Sciences	POSC 124
<i>Computer Science A</i>	GCCCD: 3 CSU: 3 UC: 1.3 CCC: 3	N/A	CC: CS 182 GC: CSIS 293
<i>Computer Science Principles</i>	GCCCD: 6 CSU: 6 UC: 2.7 CCC: 3	N/A	N/A
<i>English Language &amp; Composition</i>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	CC: 3, Area A CSU GE: 3, Area A2 IGETC: 3, Area 1A CCC: 3, Language and Rationality	ENGL 120
<i>English Literature &amp; Composition</i>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	CC: 6, Area A, C CSU GE: 6, Area A2, C2 IGETC: 3, Area 1A or 3B CCC: 3, Language and Rationality or Humanities	ENGL 120, 122
<i>Environmental Science</i>	GCCCD: 4 CSU: 4 UC: 2.7 CCC: 4	CC: 4, Area B CSU GE: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: 4, Natural Sciences	N/A
<i>European History</i>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	CC: 3, Area C CSU GE: 3, Area C2 or D IGETC: 3, Area 3B or 4 CCC: 3, Social/Behavioral Sciences or Humanities	HIST 105, 106
<i>French Language &amp; Culture</i>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	CC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	FREN 120, 121
<i>German Language &amp; Culture</i>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	CC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	GC: GERM 120, 121
<i>Human Geography</i>	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	CC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4E CCC: 3, Social/Behavioral Sciences	GEOG 130
<i>Italian Language &amp; Culture</i>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	CC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	ITAL 120, 121
<i>Japanese Language &amp; Culture</i>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	CC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	GC: JAPN 120, 121

**Degree Requirements & Transfer Information**

<b>AP EXAM</b>	<b>TOTAL UNITS AWARDED</b>	<b>GENERAL EDUCATION</b>	<b>GCCCD MAJOR COURSES FULFILLED</b>
<b>Latin</b>	GCCCD: 6 CSU: 6 UC: 2.7 CCC: 3	CC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	N/A
<b>Macroeconomics</b>	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	CC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4B CCC: 3, Social/Behavioral Sciences	ECON 120
<b>Microeconomics</b>	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	CC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4B CCC: 3, Social/Behavioral Sciences	ECON 121
<b>Music Theory</b>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	CC: 3, Area C CSU GE: N/A IGETC: N/A CCC: 3, Humanities	MUS 105, 106
<b>Physics 1: Algebra-Based</b>	GCCCD: 4 CSU: 4 UC: 5.3 CCC: 4	CC: 4, Area B CSU GE: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: 4, Natural Sciences	PHYC 110
<b>Physics 2: Algebra-Based</b>	GCCCD: 4 CSU: 4 UC: 5.3 CCC: 4	CC: 4, Area B CSU GE: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: 4, Natural Sciences	PHYC 110
<b>Physics C: Electricity &amp; Magnetism</b>	GCCCD: 4 CSU: 4 UC: 2.7 CCC: 4	CC: 4, Area B CSU GE: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: 4, Natural Sciences	See Department Chair
<b>Physics C: Mechanics</b>	GCCCD: 4 CSU: 4 UC: 2.7 CCC: 4	CC: 4, Area B CSU GE: 4, Area B1, B3 IGETC: 4, Area 5A, 5C CCC: 4, Natural Sciences	See Department Chair
<b>Psychology</b>	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	CC: 3, Area D CSU GE: 3, Area D IGETC: 3, Area 4I CCC: 3, Social/Behavioral Sciences	PSY 120
<b>Spanish Language &amp; Culture</b>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	CC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	SPAN 120, 121
<b>Spanish Literature &amp; Culture</b>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	CC: 3, Area C CSU GE: 3, Area C2 IGETC: 3, Area 3B, 6A CCC: 3, Humanities	N/A
<b>Statistics</b>	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	CC: 3, Area A CSU GD: 3, Area B4 IGETC: 3, Area 2A CCC: 3, Language and Rationality	MATH 160
<b>Studio Art - 2D Design</b>	GCCCD: 3 CSU: 3 UC: 5.3 CCC: 3	CC: 3, Area C CSU GE: N/A IGETC: N/A CCC: N/A	ART 120
<b>Studio Art - 3D Design</b>	GCCCD: 3 CSU: 3 UC: 5.3 CCC: 3	CC: 3, Area C CSU GE: N/A IGETC: N/A CCC: N/A	ART 129
<b>Studio Art - Drawing</b>	GCCCD: 3 CSU: 3 UC: 5.3 CCC: 3	CC: 3, Area C CSU GE: N/A IGETC: N/A CCC: N/A	ART 124
<b>US Government &amp; Politics</b>	GCCCD: 3 CSU: 3 UC: 2.7 CCC: 3	CC: 3, Area D CSU GE: 3, Area D, AI US-2 IGETC: 3, Area 4H CCC: 3, Social/Behavioral Sciences	POSC 121
<b>US History</b>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	CC: 3, Area C or D CSU GE: 3, Area C2 or D, AI US-1 IGETC: 3, Area 3B or 4F CCC: 3, Social/Behavioral Sciences or Humanities	HIST 108, 109
<b>World History</b>	GCCCD: 6 CSU: 6 UC: 5.3 CCC: 3	CC: 3, Area C or D CSU GE: 3, Area C2 or D IGETC: 3, Area 3B or 4F CCC: 3, Social/Behavioral Sciences or Humanities	HIST 100, 101

Questions regarding the Advance Placement (AP) examination chart can be directed to Counselors. Please note that information identified by "CC" is specific to Cuyamaca College. For examinations not on this list see the Articulation Officer.

\*If a student passes more than one AP examination in Calculus or Computer Science, only one examination may be applied to the baccalaureate.

\*If a student passes more than one AP examination in Physics, only six units of credit may be applied to the baccalaureate and only four units of credit may be applied to a certification in General Education Breadth.

Reference: CSU Chancellor's Office Memo Code: AA-2015-19; Systemwide Credit for External Examinations, November 10th, 2015.

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**Comments:**

New - American Sign Language Associate in Arts Degree added to 2017-2018 catalog\*

## AMERICAN SIGN LANGUAGE

The Associate in Arts in American Sign Language is designed for students who want to acquire advanced expressive and receptive signing skills, as well as develop a greater awareness of the Deaf community and Deaf culture. The emphasis is on paraprofessional vocations and preparation for continued study in the subject. Upon completion, students may wish to transfer to an Interpreter Certification, American Sign Language, or Deaf Studies program or a four year university to continue their studies.

**Program Learning Outcomes**

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

- Demonstrate conversational fluency. Students will be able to engage in rich dialogue exchanges and share advanced narratives and complex concepts using ASL.
- Comprehend and use grammar structures and conventions as they apply to dialogue exchanges.
- Demonstrate an understanding of Deaf culture, cultural behaviors, values and norms; clearly explain cultural tenets and interact comfortably and appropriately with Deaf people and the cultural community in a wide range of settings, from personal to professional.
- Demonstrate an understanding of Deaf history, and the significant accomplishments and shifts over time related to the cultural community, medical, technology and education domains.

**Associate in Arts for Transfer Degree Requirements:**

Course	Title	Units
ASL 120	American Sign Language I	4
ASL 121	American Sign Language II	4
ASL 130	American Sign Language: Fingerspelling	3
ASL 140	Inside Deaf Culture	3
ASL 220	American Sign Language III	4
ASL 221	American Sign Language IV	4
		22

**Select one unit from the following:**

ASL 125	American Sign Language with Infants and Toddlers	1
ASL 126	American Sign Language with School Age Children	1
		1

Total Required 23  
Plus General Education Requirements

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**Comments:**

New - Anthropology for Transfer (AA-T) added to 2017-2018 catalog\*

## ANTHROPOLOGY FOR TRANSFER (AA-T)

The AA-T in Anthropology for Transfer guides students in their quest to understand what it means to be human, and how humans make meaning in life. Students take courses from three subfields: archaeology, cultural anthropology and physical anthropology, and learn about human cultures and civilizations, past and present. The AA-T in Anthropology for Transfer is designed specifically to prepare students for transfer to a California State University, where a baccalaureate degree may be earned in Anthropology or a closely related field.

The following is required for the AA-T in Anthropology for Transfer degree:

1. 60 semester or 90 quarter CSU-transferable units;
2. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements;
3. Minimum of 18 semester or 27 quarter units in the major or area of emphasis;
4. Minimum grade point average (GPA) of 2.0;
5. Grade of C or better in all courses required for the major or area of emphasis.

**Program Learning Outcomes**

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

- Demonstrate an understanding of the core concepts of archaeology, cultural anthropology and physical anthropology;
- Demonstrate knowledge of cultural variation and diversity of perspectives, practices and beliefs found within and across cultures;
- Understand long term changes in the conditions that have shaped humans and the environments they inhabit.

**Associate in Arts for Transfer Degree Requirements:**

Course	Title	Units
ANTH 120	Cultural Anthropology	3
ANTH 130	Introduction to Physical Anthropology	3
ANTH 140	Introduction to Archaeology	3

**List A: (Select 1 course)**

MATH 160	Elementary Statistics	4
PSY 215	Statistics for the Behavioral Sciences	4

**List B: (Select 1-2 courses; 3-5 units)**

BIO 140	Human Anatomy	5
PSY 205	Research Methods in Psychology	3
GEOL 110	Planet Earth	3
<b>and</b>		
GEOL 111	Planet Earth Laboratory (must be taken if GEOL 110 is selected)	1
GEOL 104	Earth Science	3
<b>and</b>		
GEOG 121	Physical Geography: Earth Systems Laboratory (must be taken if GEOL 104 is selected)	1

**List C: (Select 1 course)**

MUS 116	Introduction to World Music	3
RELG 120	World Religions	3
Total Required		19-21
Double-Counted Units		15-16
General Education Requirements (CSU GE or IGETC-CSU)		37-39
Electives		15-20
Total Degree Units		60

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**Comments:**

New - Automotive Technology-ASCCA Associate in Science Degree added to 2017-2018 catalog°

## AUTOMOTIVE TECHNOLOGY

**AUTOMOTIVE TECHNOLOGY-ASCCA**

The Automotive Service Councils of California Association (ASCCA) sponsored degree program offers a unique, on-the-job training opportunity to those students who are accepted. Training includes all National Automotive Technicians Education Foundation (NATEF) certification areas for Master Technician Certification. Students will be required to further their studies in an ASCCA-sponsoring dealership as a paid, work experience technician. This program requires an application, a sponsor relationship with an ASCCA repair dealer, or affiliated member business of the association. Successful students will gain over 1000 hours of documented and evaluated paid work experience relating to the learning objectives of the program, Automotive Service Excellence master certifications, and California Smog Inspector and Repair Technician training licensing.

**Program Learning Outcomes**

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

- Perform technical and competent repairs, and professional level diagnosis and descriptions of necessary repairs, of various vehicles and designed systems, for independent dealerships and other affiliated businesses.
- Diagnose analytically, service and maintain automobiles using recommended procedures, special tools, and service publications, and demonstrate knowledge by properly describing cause, effect, and costs to consumers.
- Graduate and continue university education, and advance in position as an automotive technician, service manager, business owner, engineer, or desired career goals, and by additional experience and education demonstrate capability to master new technology systems and components as they are introduced, and become a leader in the transportation industry.
- Provide customer service and business management expertise by attending various required ASCCA meetings, college courses, and training seminars to promote the ethics standards of the association, and other affiliated professional organizations and businesses.

**Associate Degree Programs and Certificates**

**Associate in Science Degree Requirements:**

Course	Title	Units
AUTO 099	Introduction to Automotive Technology	3
<b>or</b>		
AUTO 100	Introduction to Automotive Technology Lab	1
AUTO 122	Automotive Electrical Systems	5
AUTO 123	Engine Performance II Emissions Systems	5
AUTO 129	Introduction to Hybrid Electric Vehicles	5
AUTO 130	Automotive Brakes and Brake License	5
AUTO 140	Four Wheel Alignment	5
AUTO 141	Emission Control License Fundamentals Level I Inspector Training	3
AUTO 142	Emission License Procedures Level II Inspector Training	2
AUTO 182*	Automotive Work Experience	12
Total Required		43-45
Plus General Education Requirements		

\*Note: Automotive work experience classes are from 1 to 4 credit units per semester.

marginal utility; the importance of incentives, and the connections between economic interests of individuals and society.

**Associate in Arts for Transfer Degree Requirements:**

Course	Title	Units
<b>Required Core:</b>		
ECON 120	Principles of Macroeconomics	3
ECON 121	Principles of Microeconomics	3
MATH 160	Elementary Statistics	4
MATH 178	Calculus for Business, Social and Behavioral Sciences	4
<b>or</b>		
MATH 180	Analytic Geometry and Calculus I	5
<b>List A: (Select 1 course)</b>		
BUS 120	Financial Accounting	4
BUS 121	Managerial Accounting	4
BUS 128	Business Communication	3
CIS 110	Principles of Information Systems	4
<b>List B: (Select 1-2 courses; 3-4 units)</b>		
Any List A course not used		3-4
Total Required		21-23
Double-Counted Units		9-12
General Education Requirements		37-39
Electives		7-12
Total Degree Units		60

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**Comments:**

New - Economics for Transfer (AA-T) added to 2017-2018 catalog\*

**ECONOMICS FOR TRANSFER (AA-T)**

The AA-T in Economics for Transfer provides a broad exposure to the field of economics. Students will learn about the factors that determine the production, distribution and consumption of goods and services. They will come to understand the behavior and interactions of economic agents and how economies work. This major prepares student to transfer to a California State University, where a baccalaureate degree may be earned in Economics or a closely related field.

The following is required for the AA-T in Economics for Transfer degree:

1. 60 semester or 90 quarter CSU-transferable units;
2. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements;
3. Minimum of 18 semester or 27 quarter units in the major or area of emphasis;
4. Minimum grade point average (GPA) of 2.0;
5. Grade of C or better in all courses required for the major or area of emphasis.

**Program Learning Outcomes**

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

- Use microeconomic and macroeconomic models to explain demand, supply, and changes in output, employment, inflation and growth;
- Understand and apply core economic concepts such as opportunity cost, the role of the market; present value; exchange rates;



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**Comments:**

UC transfer code added ^

**ANTHROPOLOGY 140 - INTRODUCTION TO ARCHAEOLOGY 3 UNITS**

3 hours lecture

This course is an introduction to the field of archaeology; its concepts, theories, data and models that contribute to our knowledge of the human past. The course will provide an introduction to archaeological field methods of survey and excavation; categories of data and dating techniques; analysis; cultural resource management and professional ethics. Major developments in history will be examined using archaeological evidence. The relevance of archaeological research to contemporary society will also be addressed.

AA/AS GE, CSU, UC^

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**Comments:**

(effective Spring 2018) New course added. Δ

**ENGINEERING 199 - SPECIAL STUDIES OR PROJECTS IN ENGINEERING 1-3 UNITS**

Prerequisite: None

48-54 hours (1 unit), 96-108 hours (2 units), 144-162 hours (3 units)

Individual study, research or projects under instructor guidance. Written reports and periodic conferences required. Content and unit credit to be determined by student/instructor conferences and the Office of Instruction. *May be repeated with different content for a maximum of 9 units.*

(see catalog page 40, 199 Courses-Special Studies)

Corequisite missing in catalog#

**ENGLISH 020 - SUPPORT FOR FRESHMAN COMPOSITION 1 UNIT**

Prerequisite: "C" grade or higher or "Pass" in ENGL 098 or ESL 119 or ESL 120 or equivalent or assessment

#Corequisite: Concurrent enrollment in English 120  
1 hour lecture

This course is designed to review and reinforce the skills necessary to be successful in English 120 (freshman composition). Students will study the elements and principles of composition through the practice of editing and revising narrative, expository, and argumentative essays. Students will also be introduced to effective reading skills and strategies necessary for the reading of college level material. **Pass/No Pass only. Non-degree applicable.**

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**Comments:**

UC transfer code added to ESL 2A & 2B ^

**ESL 2A - ACCELERATED COMPOSITION FOR ENGLISH AS A SECOND LANGUAGE 6 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ESL 103, "B" grade or higher in ESL 1A, "C" grade or higher in ESL 1B, or equivalent placement into ESL 106 or 2A

6 hours lecture

This course is designed to bring students up to the grammatical and composition level needed for one level below ENGL 120, with the possibility of skipping that level and placing directly into ENGL 120 if student progress is advanced enough. The focus is on writing the essay in proper format with proper depth of analysis and rigor of research. Critical written responses to academic readings are also emphasized.

CSU, UC^

**ESL 2B - ADVANCED ACCELERATED COMPOSITION FOR ENGLISH AS A SECOND LANGUAGE 6 UNITS**

Prerequisite: "C" grade or higher or "Pass" in ESL 2A or equivalent placement into ESL 2B

6 hours lecture

This course is designed to bring students up to the advanced grammatical and composition level needed for ENGL 120. The focus is on writing the essay in proper format with proper depth of analysis and rigor of research. Critical written responses to academic readings are also emphasized.

CSU, UC^

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**Comments:**

(effective Spring 2018) Change in units and hours. Δ

**ORNAMENTAL HORTICULTURE 275 - DIAGNOSING HORTICULTURAL PROBLEMS 3 UNITS**

Prerequisite: None

Recommended Preparation: "C" grade or higher or "Pass" in OH 120, 130, 170 or equivalent

2 hours lecture, 3 hours laboratory

Explores methods for positive identification and understanding of symptoms for accurate diagnosis of plant problems in the landscape and nursery. Biotic and abiotic causal agents including cultural influences, nutrient deficiencies and toxicities, pest and disease problems, soil salinity, aeration, drainage and irrigation problems will be discussed. Control and correction of disorders will be determined through an understanding of the organism or function involved.

CSU

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**Comments:**

UC transfer code added ^

**SPANISH 145 - HISPANIC CIVILIZATIONS 3 UNITS**

3 hours lecture

General overview of the characteristics and cultures of Hispanic civilizations as reflected in literature, philosophy, architecture, and the arts of Spain and Latin American countries. This course may have an emphasis on a selected Hispanic country or countries.

AA/AS GE, CSU, CSU GE, UC^