



OFFICE OF INSTRUCTION

Curriculum/Tenure Review/Faculty Evaluation & Catalog

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Catalog Update for 2012-13 College Catalog

Last Updated: February 7, 2013

Correction to Page 10, Calendar of Instruction: The deadline for the Spring 2013 semester "Last day for student/instructor initiated withdrawal from classes" has changed to **April 18**.

Programs

The following programs shall be considered included in the 2012-13 College Catalog, with the effective dates noted below.

Department	Program	Effective Date
Automotive/Motorcycle, Construction, and Building Maintenance	Automotive Alternative Fuel Technology	Fall 2012
Automotive/Motorcycle, Construction, and Building Maintenance	Automotive Engine Performance and Drivability	Fall 2012
Automotive/Motorcycle, Construction, and Building Maintenance	Residential Wiring Certificate of Accomplishment	Fall 2012
Behavioral Science	Associate in Arts in Anthropology for Transfer (AA-T)	Spring 2013
Behavioral Science	Associate in Arts in Sociology for Transfer (AA-T)	Spring 2013
English	Associate in Arts in English for Transfer (AA-T)	Fall 2012
PE & Dance	Option 1-Classical Dance Performance Certificate of Accomplishment	Fall 2012
Physics	Associate in Science in Physics (AS)	Fall 2012

Associate in Arts in Anthropology for Transfer (AA-T)

Associate in Arts in Anthropology for Transfer. The program is designed to prepare students who wish to transfer to pursue studies in anthropology. It is **STRONGLY** advised that potential majors meet with the Behavioral Sciences Chair to discuss educational goals, course options and transfer issues.

Learning Outcomes

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

- Contrast the major contemporary theoretical perspectives in the four major subfields
- Critically analyze and interpret anthropological data
- Apply the methods of cross-cultural comparison and the concept of cultural relativism to past and present cultures

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Degree Requirements: Students who wish to earn the Associate in Arts in Anthropology for Transfer (AA-T) must complete 60 CSU transferable units with at least a 2.0 grade point average. This must include the units required for full completion of the IGETC or CSU GE curriculum and the 18 units for the major as specified below. Each course in the major must be completed with a grade of "C" or better. Courses used to meet the major requirement may also be used to meet IGETC or CSU GE requirements.

Courses Required for the Major in Anthropology

Course	Units
ANTH 1 Biological Anthropology.....	3
ANTH 2 Archaeology and Prehistory.....	3
ANTH 3 Introduction to Social and Cultural Anthropology.....	3
or	
ANTH 3AC Introduction to Cultural Anthropology: Focus on American Culture.....	3

Choose ONE course from the following options:

ANTH 4 Introduction to Linguistic Anthropology.....	3
PSYC 5 Statistics for Behavioral Sciences.....	4
ECON 5 Introductory Statistics.....	4
MATH 80 Probability and Statistics.....	4

Choose ONE course (or lecture/lab combination) from the following:

GEOL 10 Physical Geology.....	3
and	
GEOL 10L Physical Geology Lab.....	2
GEOL 30 Environmental Geology.....	3
and	
GEOL 30L Environmental Geology Lab.....	1
PSYC 2 Research Methods.....	3

Choose ONE course from the following:

ANTH 8 Visions of the Sacred.....	3
ANTH 11 Latin American Cultures and Societies.....	3
ANTH 12 North American Indian Cultures.....	3
ANTH 15 Philippine Culture and Society.....	3
ANTH 20 LGBT Anthropology.....	3
ANTH 25 Culture, Gender, and Sexuality.....	3
GEOG 4 Cultural Geography.....	3
SOC 1 Introduction to Sociology.....	3
HUM 7 Comparative Religions.....	3
Total.....	18-20

Automotive Alternative Fuel Technology Certificate

This certificate is for learners achieving training in the function, diagnosis and maintenance of alternative fuel vehicles. This certificate includes instruction in basic automotive systems (AUTO 50), a thorough understanding of automotive electrical systems (AUTO 51), and an in depth study of alternative fuel vehicles, appropriate niche transportation for all situations, system operation, inspection, diagnosis and repair (AUTO 57). Students completing this certificate program will be qualified for employment in the service and repair of existing and emerging technology alternative fuel vehicles.

Learning Outcomes

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

- Distinguish, classify and summarize automotive systems, functions, and their interrelation
- Demonstrate safe shop practices and the use of diagnostic equipment
- Describe the function of vehicle electrical systems and components
- Identify, troubleshoot, analyze, diagnose, and repair existing and emerging alternative fuel vehicles.

Students must complete each course with a grade of "C" or higher.

Students may apply for certificate having completed course work or equivalent standards within the past 5 years.

Courses Required for the Certificate of Achievement in Automotive Alternative Fuel Technology

Course	Units
AUTO 50 Introduction to Automotive Technology.....	8
AUTO 51 Automotive Electrical.....	8
AUTO 57 Alternative Fuel Vehicles.....	3
Total Units	19

Automotive Engine Performance and Drivability Certificate

This certificate is for learners achieving advanced training in engine performance and drivability in preparation for the ASE A-8 and L-1 Engine Performance national certification. This certificate includes instruction in basic automotive systems (AUTO 50), a thorough understanding of automotive electrical systems (AUTO 51), and advanced electrical and diagnostic theory, practice and the use of appropriate instrumentation (AUTO 55). Students completing this certificate program will be qualified for employment in the service and repair of the automobile and similar vehicles.

Learning Outcomes

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

- Distinguish, classify and summarize automotive systems, functions, and their interrelation
- Demonstrate safe shop practices and the use of diagnostic equipment
- Describe the function of vehicle electrical systems and components
- Troubleshoot, analyze, diagnose, and repair drivability problems

Students must complete each course with a grade of "c" or higher.

Students may apply for certificate having completed course work or equivalent standards within the past 5 years.

Courses Required for the Certificate of Achievement in Automotive Engine Performance and Drivability

Course	Units
AUTO 50 Introduction to Automotive Technology.....	8
AUTO 51 Automotive Electrical.....	8
AUTO 55 Engine Performance/Drivability	8
Total Units	24

Associate in Arts in English for Transfer (AA-T)

Associate in Arts in English for Transfer. CCSF's English major offers a wide variety of language, literature, and writing courses—18 GE transferable units—to serve students with diverse goals, including transfer to U.C., C.S.U., or other four year colleges. English majors will be able to complete most or all of their lower division preparation at CCSF before they transfer but should see a counselor to confirm their program of study.

By taking 6 units of Core Reading and Composition Courses, students will learn techniques to produce clear, precise prose by integrating writing, reading, and research. The required 6 units of Core Surveys of literature in English will ensure students have a broad familiarity with different eras of literary history; the required 3 units of Core Genre courses will provide a deeper understanding of literary forms. An additional requirement of 3 units of Specialized Literature Courses provides students with an opportunity for more focused study. If students anticipate careers in law, education, communication, writing, government, advertising, or business, the English major should serve them well.

Learning Outcomes

1. Demonstrate knowledge of and familiarity with genres, themes, and contexts of variety of works of literature.
2. Demonstrate knowledge of and familiarity with methods of Interpreting literature across genres.
3. Assess, evaluate, and analyze ideas expressed in text or in spoken language.
4. Create (write or present) coherent arguments that exhibit clear prose and synthesize diverse bodies of knowledge.
5. Conceptualize, write, workshop, present for feedback, revise and edit an original text.

Degree Requirements: Students who wish to earn the Associate in Arts in English for Transfer (AA-T) must complete 60 CSU transferable units with at least a 2.0 grade point average. This must include the units required for full completion of the IGETC or CSU GE curriculum and the 18 units for the major as specified below. Each course in the major must be completed with a grade of "C" or better. Courses used to meet the major requirement may also be used to meet IGETC or CSU GE requirements.

Courses Required for the Major in English

Course..... Units

Group 1: Core Reading and Composition Courses-6 units

ENGL 1A University-Parallel Reading & Comp	3
ENGL 1B University-Parallel Reading & Comp	3

Group 2: Core Surveys-6 units

ENGL 30A Survey of American Literature, part 1	3
ENGL 30B Survey of American Literature, part 2.....	3
ENGL 46A Survey of Literature in English, part 1	3
ENGL 46B Survey of Literature in English, part 2	3
ENGL 46C Survey of Literature in English, part 3	3

Note: Group 2 courses not used toward the 6 required units may be used to fill Group 3 or Group 4 requirements.

Group 3: Core Genre Courses-3 units

ENGL 43 Introduction to the Study of Poetry.....	3
ENGL 52 Shakespeare	3
ENGL 53 Introduction to the Study of Drama	3

Note: Group 3 courses not used toward the 3 required units may be used to fill Group 4 requirement.

Group 4: Specialized Literature Courses-3 units

CLAS 35 Tragic Dramas of Greece	3
ENGL 1C Advanced Composition.....	3
ENGL 20 Modern British and Amer Literature	3
ENGL 32A Early African American Fiction	3
ENGL 32B Contemporary African Amer Fiction	3
ENGL 36 African Amer Literature-A Survey	3
ENGL 41 Writing in Connection with Reading of Impt Books of the 19th & 20th Centuries.....	3
ENGL 44A-44B Survey of World Literature, Past & Present	3
ENGL 48A-O Selected Topics	3
ENGL 50 Myth and Literature	3
ENGL 55 Survey of Gay & Lesbian Literature	3
ENGL 57 Women & Literature	3
ENGL 58A Contemporary Women Writers and Poets.....	3
ENGL 59 Advanced Literary Analysis.....	3
ENGL 60 Identity in Current Ethnic Fiction	3

Total Units..... 18

Residential Wiring Certificate

This certificate is for learners achieving training in the rules, methods, and materials necessary to install residential electrical systems. This certificate includes instruction in appropriate safety practices and procedures (CNST 69), foundational construction principles, procedures, tools and equipment (CNST 100), basic electrical theory, hands on design and construction of electrical wiring systems (CNST 109), the ability to reference electrical codes and determine their proper application (CNST 105), and successfully reading and understanding blueprints and electrical schematics (CNST 107).

Students completing this certificate program will be qualified for employment in companies both union and non-union where residential wiring skills are called upon.

Learning Outcomes

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

- Identify basic OSHA (Occupational Safety and Health Administration) requirements, recognize and evaluate general safety hazards and take appropriate action
- Measure, layout, calculate and estimate construction projects using appropriate tools and equipment
- Identify and summarize basic electrical theory and its application in residential wiring systems
- Design and install a residential wiring system in compliance with national, state and local codes
- Interpret the language and navigate through the NEC (National Electric Code) to interpret the appropriate practical application

Students must pass each class with a grade of "C" or higher.

Students may apply for a certificate having completed course work or equivalent standards within the past 5 years.

Courses Required for the Certificate of Accomplishment in Residential Wiring

Course.....	Units
CNST 69 Construction Safety.....	1
CNST 100 Introduction to Construction Applications.....	3
CNST 105 Electrical Code	6
CNST 107 Blueprint Reading.....	3
CNST 109 Residential Wiring	4
Total Units.....	17

Option 1- Classical Dance Performance Certificate

The curriculum for the Certificate of Accomplishment in Dance will allow students to develop the skills required to pursue careers in dance performance and dance education. The Dance Program provides comprehensive studies including history and theory, choreography, and technique and performance. To meet diverse students' needs various options are available. All students need to meet with a faculty member or file a dance program application and select a program of course totaling 17 units. Each course needs to be completed with a C or higher grade. At least 12 units need to be completed at CCSF. Students wishing to use equivalent courses from other colleges are responsible for providing supporting documentation in a timely manner. For further information call 452-5697, or visit the website at www.ccsf.edu/Resources/ccsframs (link: Dance)

Learning Outcomes

Upon completion of Dance certificate Options 1, 2, 3, or 4 students will be able to:

- 1) Acquire a foundation in technical dance and movement skills
- 2) Develop skills in critical and creative thinking, problem solving, focus, observation, and evaluation through a course of study including dance technique, choreography, performance technique, body alignment, dance history, and nutrition
- 3) Attain a working knowledge of correct body mechanics
- 4) Develop a movement repertoire which allows the composition of short dance studies

5) Apply knowledge of cultural backgrounds and their influence on different style of dance

**Courses Required for the Certificate of Accomplishment in Classical Dance Performance
Courses in Workshop and Theory (8 units required)**

Required Courses:

DANC 100A Dance Composition	3
DANC 30 Dance History – Dance in Cultural Context	3

Required 2 units selected from:

DANC 34A Dance Conditioning	1
DANC 101A Dance Performance Production	1
DANC 101B Dance Performance Production	2
DANC 102A Dance Repertory	1
DANC 102B Dance Repertory	2

Courses in Technique Electives (6 units-4 at Intermediate/Advanced level)

DANC 120A Ballet.....	1
DANC 120B Intermediate Ballet	1
DANC 120C Advanced Ballet	2
DANC 121B Intensive Ballet	2
DANC 125A Beginning Modern Dance.....	1
DANC 125B Intermediate Modern Dance.....	1
DANC 125C Advanced Modern Dance	2
DANC 126B Intensive Modern Dance	2

Electives (3 units)

DANC 37 Feldenkrais for Dance	1
DANC 122 Beginning Pointe Technique.....	1
DANC 127 Dance Improvisation	1
MUS 4 Music Fundamentals.....	2
NUTR 52 Elementary Nutrition	3
PE 20/HOEC 108 Sports Nutrition	3
TH A 30 Introduction to Theatre.....	3
TH A 150 Beginning Acting.....	3
TH A 200 Theatre Production	3
Technique electives from Options 1, 2, 3, or 4	1-3

Total Units..... 17

Associate in Science in Physics (AS)

The Associate in Science in Physics provides a broad background in fundamental physics through introductory course work with a full complement of laboratory courses. Physics graduates are prepared to transfer to California State University, University of California, and other universities for career paths in high tech research, engineering, and education. A physics degree is also a respected preparation for postgraduate studies in medical, business, and law school due to the prevalence of technology in our society. Physics majors develop strong mathematical, analytical, and laboratory skills, and a solid understanding of the fundamental physical laws that govern the universe.

Learning Outcomes

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

- Apply the principles of mechanics, electromagnetism, thermodynamics, waves, optics, and modern physics to theoretical problems as well as to experimental applications.
- Demonstrate laboratory skills including how to take and analyze data, keep an organized lab book, and write a lab report.
- Apply mathematics through multivariable calculus to solve physics problems.
- Transfer to a 4-year degree in physics.

Courses Required for the Major in Physics

Course.....	Units
PHYC 4A Physics for Scientists and Engineers	3
PHYC 4AL Physics Laboratory for Scientists and Engineers	1
PHYC 4B Physics for Scientists and Engineers	3
PHYC 4BL Physics Laboratory for Scientists and Engineers	1
PHYC 4C Physics for Scientists and Engineers	3
PHYC 4CL Physics Laboratory for Scientists and Engineers	1
PHYC 4D Physics for Scientists and Engineers	3
PHYC 4DL Physics Laboratory for Scientists and Engineers	1
MATH 110A Calculus I.....	4
MATH 110B Calculus II.....	4
MATH 110C Calculus III	4
Total.....	28

Associate in Arts in Sociology for Transfer (AA-T)

Associate in Arts in Sociology for Transfer. The program is designed to prepare students who wish to transfer to pursue studies in sociology. It is **STRONGLY** advised that potential majors meet with the Behavioral Sciences Chair to discuss educational goals, course options and transfer issues.

Learning Outcomes

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

- Contrast the major contemporary theoretical perspectives in sociology to explain culture and social structure
- Identify and apply research methods and statistical methods appropriate to sociology
- Apply the sociological perspective and theories to contemporary issues and analyze social problems, political decisions and actions directed toward social and public policy
- Apply sociological principles and theories to everyday interactions with people from diverse backgrounds

Degree Requirements: Students who wish to earn the Associate in Arts in Sociology for Transfer (AA-T) must complete 60 CSU transferable units with at least a 2.0 grade point average. This must include the units required for full completion of the IGETC or CSU GE curriculum and the 18 units for the major as specified below. Each course in the major must be completed with a grade of “C” or better. Courses used to meet the major requirement may also be used to meet IGETC or CSU GE requirements.

Courses Required for the Major in Sociology

Course.....	Units
SOC 1 Introduction to Sociology	3
SOC 3 Social Problems	3
PSYC 5 Statistics for Behavioral Sciences.....	4
or	
ECON 5 Introductory Statistics	4
or	
MATH 80 Probability and Statistics.....	4

Choose TWO classes from the following options:

SOC 2 Social Deviance & Social Issues.....	3
SOC 25 Sex/Gender in American Society	3

SOC 30 Social Psychology	3
SOC 35 Sex, Marriage and Family	3
PSYC 22 Psychology of Race and Ethnic Relations	3
or	
PSYC 23 Psychology of Race and Ethnic Relations	3

Choose ONE class from the following options:

PSYC 1 Introduction to Psychology	3
ANTH 3 Introduction to Social and Cultural Anthropology.....	3
ANTH 3AC Introduction to Cultural Anthropology: Focus on American Culture.....	3
POLS 1 American Government	3
IDST 17 Human Sexuality.....	3
Total.....	19