

Fresno City College
2017-2018
Catalog Addendum
December 2017

Table of Contents

Academic Regulations..... 1
Transfer Requirements..... 3
Associate Degree and Certificate Programs..... 4
Courses 15



1101 East University Avenue, Fresno, California 93741
(559) 442-4600
www.fresnocitycollege.edu

ACADEMIC REGULATIONS

Changes to Pages 20-32

Earning Course and Unit Credit

Advanced Placement Exams (AP)

AP Examination/Subject Area	Minimum Score	Fresno City College GE Area	CSU GE Area (units)	IGETC GE Area (units)
ART: ART HISTORY	3	C: Humanities (3)	C1 or C2 (3)	3A or 3B (3)
BIOLOGY	3	A: Natural Sciences (4)	B2 & B3 (4)	5B & 5C (4)
CALCULUS AB	3	Math Competency & D2: Language & Rationality (5)	B4 (3)	2A (3)
CALCULUS BC	3	Math Competency & D2: Language & Rationality (5, 4)	B4 (3)	2A (3)
CALCULUS BC/AB Subscore	3	Math Competency & D2: Language & Rationality (5)	B4 (3)	2A (3)
CHEMISTRY	3	A: Natural Sciences (5)	B1 & B3 (4)	5A & 5C (4)
CHINESE LANGUAGE and CULTURE	3	C: Humanities (3)	C2 (3)	3B & 6 (3)
COMPARATIVE GOVERNMENT AND POLITICS	3	B2: Social & Behavioral Sciences (3)	D (3)	4 (3)
COMPUTER SCIENCE A	3	Elective (3)	N/A (Only one CS exam may be applied)	N/A
COMPUTER SCIENCE PRINCIPLES	3	Elective (3)	N/A (Only one CS exam may be applied)	N/A
ECONOMICS: MACROECONOMICS	3	B2: Social & Behavioral Sciences (3)	D (3)	4 (3)
ECONOMICS: MICROECONOMICS	3	B2: Social & Behavioral Sciences (3)	D (3)	4 (3)
ENGLISH LANGUAGE/ COMPOSITION	3	Writing/ Reading Competency & D1: Language & Rationality (4)	A2 (3)	1A (3)
ENGLISH LITERATURE/ COMPOSITION	3	Writing/ Reading Competency & D1: Language and Rationality & C: Humanities (3)	A2 & C2 (6)	1A or 3B (3)
ENVIRONMENTAL SCIENCE	3	A: Natural Sciences (4)	B1 & B3 (4)	5A & 5C (3)
FRENCH LANGUAGE and CULTURE	3	C: Humanities (5)	C2 (3)	3B & 6 (3)
GERMAN LANGUAGE and CULTURE	3	C: Humanities (5)	C2 (3)	3B & 6 (3)
HISTORY, EUROPEAN	3	B2: Social & Behavioral Sciences <u>or</u> C: Humanities (3)	C2 or D (3)	3B or 4 (3)

AP Examination/Subject Area	Minimum Score	Fresno City College GE Area	CSU GE Area (units)	IGETC GE Area (units)
HISTORY, U.S.	3	B2: Social & Behavioral Sciences (3)	C2 or D & U.S.-1 (3)	3B or 4 & US-1 (3)
HISTORY, WORLD	3	B2: Social & Behavioral Sciences (3)	C2 or D (3)	3B or 4 (3)
HUMAN GEOGRAPHY	3	B2: Social & Behavioral Sciences (3)	D (3)	4 (3)
ITALIAN LANGUAGE and CULTURE	3	C: Humanities (3)	C2 (3)	3B & 6 (3)
JAPANESE LANGUAGE and CULTURE	3	C: Humanities (3)	C2 (3)	3B & 6 (3)
LATIN	3	C: Humanities (3)	C2 (3)	3B & 6 (3)
MUSIC THEORY	3	Elective (3)	N/A	N/A
PHYSICS 1	3	A: Natural Sciences (4)	B1 & B3 (4)	5A & 5C (4)
PHYSICS 2	3	A: Natural Sciences (4)	B1 & B3 (4)	5A & 5C (4)
PHYSICS C MECHANICS	3	A: Natural Sciences (4)	B1 & B3 (4)	5A & 5C (3)
PHYSICS C, ELECTRICITY/ MAGNETISM	3	A: Natural Sciences (4)	B1 & B3 (4)	5A & 5C (3)
PSYCHOLOGY	3	Lifetime Wellness & B2: Social & Behavioral Sciences (3)	D (3)	4 (3)
SPANISH LANGUAGE and CULTURE	3	C: Humanities (8)	C2 (3)	3B & 6 (3)
SPANISH LITERATURE and CULTURE	3	C: Humanities (3)	C2 (3)	3B & 6 (3)
STATISTICS	3	Math Competency & D2: Language & Rationality (4)	B4 (3)	2A (3)
STUDIO ART – 2D DESIGN	3	Elective (3)	N/A	N/A
STUDION ART – 3D DESIGN	3	Elective (3)	N/A	N/A
STUDIO ART – DRAWING	3	C: Humanities (3)	N/A	N/A
U.S. GOVERNMENT & POLITICS	3	B1: Social & Behavioral Sciences (3)	D & US-2 (3)	4 & US-2 (3)

**Other Advanced Placement (AP) exams not listed on this chart may be applied toward CSUGE and IGETC certification. Some AP exams allow for additional elective credit that may be applied toward transfer. Satisfaction of specific major requirements is granted by the CSU and UC campus. Consult with a counselor for complete information on AP credit.*

TRANSFER REQUIREMENTS

Changes to Pages 38-53

Course Identification Numbering Systems (C-ID)

The Course Identification Numbering Systems (C-ID) is a statewide numbering system independent from the course numbers assigned by local California 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 [assist \(www.assist.org\)](http://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. Because these course requirements may change and because courses may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Students may consult with the ASSIST database at [assist \(www.assist.org\)](http://assist.org) for specific information on C-ID course designations. Counselors can always help students interpret or explain this information.

C-ID Number Fresno City College Course

Change: *add*

ARTH 145 Art 60, Art of the Ancient Americas

University of California Transfer Course List (UC)

Change: *delete*

African-American Studies 13

effective Fall 2017

California State University Transfer Course List (CSU)

Change: *new*

Art 25A

Computer Science 1

Electrical Systems Technology 83A

Electrical Systems Technology 83B

Global Studies 1

Global Studies 2

Music 15

Spanish 41

effective Spring 2018

effective Spring 2018

effective Spring 2018

effective Spring 2018

effective Spring 2018

effective Spring 2018

effective Spring 2018

effective Spring 2018

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

Changes to Pages 113-219

AIR CONDITIONING

INDUSTRIAL REFRIGERATION – CARO/EPA-SECTION 608 – MAJOR #8231

deleted program, Spring 2018

HVAC TECHNOLOGY I – FORMERLY AIR CONDITIONING, COMMERCIAL AIR COMDITIONING, HEATING, AND DUCT SYSTEMS – MAJOR #8031

revised program, Spring 2018

The program provides training in troubleshooting, maintenance, repair, and installation of heating and cooling systems. The curriculum will emphasize fundamental and advanced skills in classroom and lab activities. Students will train on residential and commercial systems similar to those found in the workplace. Upon successful completion of the program, students will be able to perform a cooling and heating "tune-up", may take the EPA Section 608 refrigerant certification exam, and will be prepared to take other industry certifications. NCCER "stackable" credentials may also be concurrently earned via course assignments.

Certificate of Achievement

Student Learning Outcomes:

1. Explain the combustion process and demonstrate the ability to adjust and troubleshoot natural gas furnaces.
2. Analyze refrigerant and electrical readings to diagnose and repair heating, cooling and refrigeration equipment.
3. Design circuitry for a heating, cooling unit and wire per guidelines.

Required Courses:

		Units
AC 50	HVAC Introduction.....	3
AC 51	HVAC Comfort Systems.....	6.5
AC 52	HVAC System Components	6.5
AC 53	HVAC Comfort Troubleshooting	6.5
AC 54	HVAC System Processes.....	6.5
AC 55	Technician Testing and Certification	1
AC 56	HVAC System Installation	4
Total		34

HVAC TECHNOLOGY II – FORMERLY AIR CONDITIONING – MAJOR #8030

revised program, Spring 2018

The program provides training in troubleshooting, maintenance, repair, control, fabrication, safety, and installation of heating and cooling systems. The curriculum will emphasize fundamental and advanced skills in classroom and lab activities. Students will train on residential and commercial systems similar to those found in the workplace. Upon successful completion of the program, students will be able to perform a cooling and heating "tune-up", may take the EPA Section 608 refrigerant certification exam, and will be prepared to take other industry certifications. NCCER "stackable" credentials may also be concurrently earned via course assignments.

Certificate of Achievement

Student Learning Outcomes:

1. Competently perform a cooling "tune-up" on an HVAC system.
2. Competently perform a heating "tune-up" on an HVAC system.
3. Certification of student's ability as an entry level air conditioning technician.

FIRST YEAR

First Semester:

		Units
AC 50	HVAC Introduction.....	3
AC 51	HVAC Comfort Systems.....	6.5
AC 53	HVAC Comfort Troubleshooting	6.5
AT 10	Technical Computer Applications	3

Second Semester:

		Units
AC 52	HVAC System Components	6.5
AC 54	HVAC System Processes.....	6.5
AC 55	Technician Testing and Certification	1
AC 56	HVAC System Installation	4

SECOND YEAR

Third Semester:		Units
AC 57	System Configuration and Control.....	2
AT 21	Occupational Safety and Health.....	2
AT 40	Preparing for Employment Opportunities	3
WELD 1	Exploring Welding/Metals.....	3
		Total 47

HVAC TECHNOLOGY III – FORMERLY AIR CONDITIONING – MAJOR #8030

revised program, Spring 2018

The program provides training in troubleshooting, maintenance, repair, control, fabrication, safety, and installation of heating and cooling systems. The curriculum will emphasize fundamental and advanced skills in classroom and lab activities. Students will train on residential and commercial systems similar to those found in the workplace. Upon successful completion of the program, students will be able to perform a cooling and heating "tune-up", may take the EPA Section 608 refrigerant certification exam, and will be prepared to take other industry certifications. The HVAC Technology III graduate will also be versed in computer, language, and math skills, which effectively differentiate in a competitive industry. NCCER "stackable" credentials may also be concurrently earned via course assignments.

Associate in Science

Student Learning Outcomes:

1. Competently perform a cooling "tune-up" on an HVAC system.
2. Competently perform a heating "tune-up" on an HVAC system.
3. Certification of student's ability as an entry level air conditioning technician.

FIRST YEAR

First Semester:		Units
AC 50	HVAC Introduction.....	3
AC 51	HVAC Comfort Systems.....	6.5
AC 53	HVAC Comfort Troubleshooting	6.5
AT 10	Technical Computer Applications	3

Second Semester:		Units
AC 52	HVAC System Components	6.5
AC 54	HVAC System Processes.....	6.5
AC 55	Technician Testing and Certification	1
AC 56	HVAC System Installation	4

SECOND YEAR

Third Semester:		Units
AC 57	System Configuration and Control.....	2
AT 21	Occupational Safety and Health.....	2
AT 40	Preparing for Employment Opportunities	3
WELD 1	Exploring Welding/Metals.....	3
		Total 47

MECHANICAL AND ELECTRICAL SYSTEMS – MAJOR #8032

deleted program, Spring 2018

ANTHROPOLOGY

ARCHAEOLOGY ARCHAEOLOGICAL TECHNICIAN – MAJOR #7120

revised program, Fall 2017

The Archaeological Technician Certificate of Achievement is a program designed to provide students with education and training in the various aspects of modern archaeology in preparation for 1) entry level employment, and 2) continuing education in archaeology. An archaeological technician may work in the field doing survey or excavation or in a laboratory processing archaeological collections, doing data entry, archival research, or other tasks related to the management of archaeological data, all under the direction of a professional archaeologist.

Students planning for a career in archaeology will need to earn at least a Bachelor's degree. Therefore, archaeology students are strongly encouraged to meet with a counselor about transfer requirements (IGETC/CSU certification) early in their program. Archaeology students should also meet with the archaeology faculty about course/program offerings as soon as possible in order to complete the program in a timely manner.

Certificate of Achievement

Student Learning Outcomes:

1. Students will demonstrate knowledge of terminology, methods, and the theoretical framework of modern, scientific archaeology.

2. Students will have demonstrable skills in archaeological field methods.
3. Students will have demonstrable skills in archaeological laboratory methods.

Required Core Courses (15 units)		Units
ANTHRO 1	Biological Anthropology	3
ANTHRO 2/2H	Cultural Anthropology, or Honors Cultural Anthropology	3
ANTHRO 4	Introduction to Archaeology	3
ANTHRO 15	Laboratory Methods in Archaeology	4
ANTHRO 16A	Field Archaeology I	2

Electives (3 units minimum)

Students must complete a minimum of three units from the following list of electives. Other courses may be substituted based on the student's area of focus with faculty approval.

		Units
AMIND 20	Native Peoples of California	3
ANTHRO 3	Archaeology and World Prehistory	3
ANTHRO 16B	Field Archaeology II	2
ANTHRO 24	Doing Archaeology: Hands-On!	1.5
ANTHRO/CLS 28	Ancient Mexico	3
ANTHRO 30	Topics in Anthropology	1-4
GEOG 10	Introduction to GIS	3
*GEOL 1	Physical Geology	4
HIST 3	History of Ancient Rome	3
HIST 18	History of Ancient Greece	3
HIST 30	California History	3

*This course is highly recommended for archaeology students.

SUGGESTED SEQUENCE OF COURSES:

Recommend ANTHRO 2 be taken prior to other anthropology courses.

ANTHRO 4 should be taken prior to ANTHRO 16A.

Other courses may be taken in any sequence.

CHILD DEVELOPMENT

EARLY INTERVENTION – FORMERLY EARLY INTERVENTION ASSISTANT – MAJOR #5621
correction, Fall 2017

ECONOMICS

ECONOMICS FOR TRANSFER – MAJOR #2020
new program, Fall 2017

The Associate in Arts in Economics for Transfer degree is designed for students who plan to complete a bachelor's degree in a similar major at a CSU campus. This degree will acquaint students with the fundamentals of economic thinking and the principle concepts and theories of macroeconomics and microeconomics. Additionally, the degree will offer students the math and statistics preparation required for upper division coursework in economics. To earn the Associate in Arts in Economics for Transfer students must complete at least 60 required semester units of CSU-transferable coursework, including either the CSU-GE Breadth or IGETC requirements, and at least 18 units within the major. Students must maintain a minimum 2.0 GPA, including grades of C or higher in each course taken to fulfill the major. Local graduation requirements are not required for the transfer degree. Students should consult with a counselor for more information on transfer requirements and university admission.

Associate in Arts

Student Learning Outcomes:

1. Understand and apply basic economic methodology to describe, analyze and explain human behavior and societal challenges.
2. Apply principle microeconomic and macroeconomic concepts, theories and models to describe, analyze and explain relevant economic issues.

Required Courses		Units
ECON 40	Introduction to Microeconomics, or ECON 40H Honors Introduction to Microeconomics	3
ECON 50	Introduction to Macroeconomics, or ECON 50H Honors Introduction to Macroeconomics	3
MATH 5A	Mathematical Analysis I.....	5
MATH 42	Statistics for the Behavioral Science, or	

MATH 11	Elementary Statistics, or	
DS 23	Business Statistics	3-4

Choose two of the following courses:

		Units
ACCTG 4A	Financial Accounting, or	
ACCTG 4AH	Honors Financial Accounting.....	4
ACCTG 4B	Managerial Accounting, or	
ACCTG 4BH	Honors Managerial Accounting	4
MATH 5B	Mathematical Analysis II.....	4
MATH 6	Mathematical Analysis III.....	4
MATH 21	Finite Mathematics	3
MATH 26	Elementary Linear Algebra.....	3
		Total 20-23

EDUCATION – FORMERLY TEACHER AIDE

EDUCATION PARAPROFESSIONAL – FORMERLY TEACHER AIDE: GENERAL – MAJOR #5911
correction, Fall 2017

The Education Paraprofessional Certificate of Achievement prepares students to work as paraprofessionals in kindergarten through grade 12 (K-12) school settings. Completing the certificate satisfies the federal No Child Left Behind requirements for employment in a school districts and is the foundation for the Associate degree for Transfer in Elementary Education.

Certificate of Achievement

Student Learning Outcomes:

1. Demonstrate introductory subject matter competency required for working in the K-12 education setting.
2. Demonstrate knowledge of social, cultural, environmental, and aesthetic perspectives necessary for working in the K-12 setting.
3. Discuss historical influences and current trends in education, as well as teaching strategies and approaches appropriate for students of diverse, needs, abilities and backgrounds.

Program Requirements

Required 49 units from the following:

		Units
ART 2	Art Appreciation, or	
MUS 12	Music Appreciation, or	
TA 30	Theatre Appreciation	3
BIOL 3/3H	Introduction to Life Science, or	
	Honors Introduction to Life Science	4
CHDEV 30	Child, Family and Community	3
CHDEV 38	Lifespan Development	3
CHDEV 39	Child Growth and Development	3
CIT 15	Computer Concepts	3
COMM 1	Introduction to Public Speaking	3
EDUC 19	Work Experience (Cooperative), Occupational	2
EDUC 30	Survey of American Education	3
ENGL 125	Writing Skills for College	4
ENGL 126	Reading Skills for College	4
GEOG 4A	World Geography, or	
GEOG 4B	World Geography	3
HIST 11	History of the United States to 1877	3
LING 11	Introduction to Language for Educators	3
MATH 201	Elementary Algebra	5

Notes: No Child Left Behind legislation requires paraprofessionals to complete 48 units of college coursework or to pass an employer-administered exam.

SPECIAL EDUCATION ASSISTANT – MAJOR #5982

new program, Fall 2017

The Special Education Assistant Certificate of Achievement prepares students to work as paraprofessionals in special education classrooms in kindergarten through grade 12 (K-12) school settings. This Certificate is the foundation for the Special Education Paraprofessional Certificate and the Associate degree for Transfer in Elementary Education.

Certificate of Achievement

Student Learning Outcomes:

1. Demonstrate introductory subject matter competency required for working in special education classrooms in kindergarten to grade 12 settings.

2. Demonstrate knowledge of social, cultural, environmental, and aesthetic perspectives necessary for working in special education classrooms in kindergarten to grade 12.
3. Discuss historical influences and current trends in education, as well as teaching strategies and approaches appropriate for students of diverse, needs, abilities and backgrounds.

Required Courses:	Units
EDUC 6 Introduction to Special Education	3
EDUC 7 Exceptional Learners.....	3
EDUC 19 Work Experience (Cooperative), Occupational	3
EDUC 30 Introduction to Teaching.....	3
ENGL 125 Writing Skills for College, or	
ENGL 126 Reading Skills for College, or	
ENGL 1A Reading and Composition, or	
ENGL 1AH Honors Reading and Composition.....	4
	Total 16

SPECIAL EDUCATION PARAPROFESSIONAL – MAJOR #5913
new program, Fall 2017

The Special Education Paraprofessional Certificate of Achievement prepares students to work as paraprofessionals in special education classrooms in kindergarten through grade 12 (K-12) school settings. Completing the certificate satisfies the federal No Child Left Behind requirements for employment in a school districts and is the foundation for the Associate degree for Transfer in Elementary Education.

Certificate of Achievement

Student Learning Outcomes:

1. Demonstrate introductory subject matter competency required for working in special education classrooms in kindergarten to grade 12 settings.
2. Demonstrate knowledge of social, cultural, environmental, and aesthetic perspectives necessary for working in special education classrooms in kindergarten to grade 12.
3. Discuss historical influences and current trends in education, as well as teaching strategies and approaches appropriate for students of diverse, needs, abilities and backgrounds.

Program Requirements

Required 49 units from the following:		Units
BIOL 3 Introduction to Life Science, or		
BIOL 3H Honors Introduction to Life Science.....		4
CHDEV 30 Child, Family and Community		3
CHDEV 38 Lifespan Development.....		3
CHDEV 39 Child Growth and Development		3
COMM 1 Introduction to Public Speaking.....		3
EDUC 6 Introduction to Special Education.....		3
EDUC 7 Exceptional Learners.....		3
EDUC 19 Work Experience (Cooperative), Occupational		2
EDUC 30 Introduction to Teaching.....		3
ENGL 125 Writing Skills for College		4
ENGL 126 Reading Skills for College		4
GEOG 4A World Geography, or		
GEOG 4B World Geography		3
HIST 11 History of the United States to 1877.....		3
LING 11 Introduction to Language for Educators		3
MATH 201 Elementary Algebra.....		5

ELECTRICAL SYSTEM TECHNOLOGY – FORMERLY ELECTRONIC TECHNOLOGY
COMMUNICATION TECHNICIAN – FORMERLY COMMUNICAITONS TECHNOLOGY – MAJOR #8182
correction, Spring 2017

FACILITY CONTROL TECHNICIAN – FORMERLY AUTOMATION CONTROL TECHNICIAN – MAJOR #8183
correction, Spring 2017

INDUSTRIAL CONTROL TECHNICIAN – FORMERLY CONTROL SYSTEMS – MAJOR #8184
correction, Spring 2017

INTRODUCTION TO INDUSTRIAL CONTROLS – MAJOR #8185
correction, Fall 2017

GRAPHIC COMMUNICATIONS

DIGITAL MEDIA OPTION – FORMERLY MULTIMEDIA OPTION – MAJOR #8505
 correction, Fall 2017

HONORS

LEON S. PETERS HONORS PROGRAM – MAJOR #5331

revised program, Spring 2018

A Leon S. Peters Certificate in Honors will be awarded to Honors students who successfully complete a minimum of 17 credits of Honors courses including 2 colloquium units with an overall GPA of 3.2 or better.

Certificate

Student Learning Outcome:

1. Demonstrate an understanding and appreciation of social, political, and economic institutions within a historical perspective.
2. Express an understanding of the relationships between science and other human activities.
3. Articulate an understanding of the relationships between the arts, the humanities and themselves.
4. Write clear, logically organized essays using expository and argumentative modes and applying conventions of documentation when appropriate.
5. Apply logical reasoning to make decisions, solve problems, explain conclusions, and evaluate evidence.

REQUIRED COURSE

	Units
*ENGL 1AH Honors Reading and Composition	4

**An exception can be made if the student has successfully completed ENGL 1A prior to entering the Honors program.*

ELECTIVE COURSES

Select 11 units:

	Units
ACCTG 4AH Honors Financial Accounting, or	
ACCTG 4BH Honors Managerial Accounting	4
ANTHRO 2H Honors Cultural Anthropology	3
ART 5H Honors Art History 1, or	
ART 6H Honors Art History 2	3
BA 10H Honors Introduction to Business	3
BIOL 3H Honors Introduction to Life Science, or	
BIOL 11AH Honors Biology for Science Majors I	4-5
ECON 40H Honors Introduction to Microeconomics, or	
ECON 50H Honors Introduction to Macroeconomics	3
ENGL 1BH Honors Introduction to the Study of Literature	3
ENGL 3H Honors Critical Reading & Writing, or	
PHIL 2H Honors Critical Reasoning and Analytic Writing	3
HIST 1H Honors Western Civilization to 1648, or	
HIST 2H Honors Western Civilization since 1648, or	
HIST 12H Honors History of the United States since 1877	3
HUMAN 10H Honors Classical Humanities, or	
HUMAN 11H Honors Modern Humanities	3
PHIL 1AH Honors Theories of Knowledge and Reality	3
POLSCI 2H Honors American Government	3
PSY 2H Honors General Psychology	3
SOC 1AH Honors Introduction to Sociology	3

COLLOQUIA

Select a minimum of 2 units:

	Units
HONORS 1A Honors Science Colloquium: Biological Science through Scholarly Research	1
HONORS 1C Honors Humanities Colloquium: Humanities through the Ages	1
HONORS 1D Honors Business, Economics, and Accounting Colloquium: The Local Economy and Agribusiness	1
HONORS 1E Honors Social Science Colloquium: Contemporary Issues in Social Science	1
HONORS 1F Honors Phi Theta Kappa Colloquium: Phi Theta Kappa Study Topics	1

HONORS PROGRAM COMMENDATION CERTIFICATE

revised program, Spring 2018

A Leon S. Peters Commendation Certificate in Honors will be awarded to Honors students who successfully complete a minimum of 9 units of Honors courses, including 1 colloquium unit, with an overall GPA of 3.2 or better.

Certificate

Student Learning Outcome:

1. Demonstrate an understanding and appreciation of social, political, and economic institutions within a historical perspective.
2. Express an understanding of the relationships between science and other human activities.
3. Articulate an understanding of the relationships between the arts, the humanities and themselves.
4. Write clear, logically organized essays using expository and argumentative modes and applying conventions of documentation when appropriate.
5. Apply logical reasoning to make decisions, solve problems, explain conclusions, and evaluate evidence.

ELECTIVE COURSES

Select a minimum of 8 units:

	Units
ACCTG 4AH Honors Financial Accounting.....	4
ANTHRO 2H Honors Cultural Anthropology	3
ART 5H Honors Art History 1, or	
ART 6H Honors Art History 2.....	3
BA 10H Honors Introduction to Business	3
BIOL 3H Honors Introduction to Life Science, or	
BIOL 11AH Honors Biology for Science Majors I	4-5
ECON 40H Honors Introduction to Microeconomics, or	
ECON 50H Honors Introduction to Macroeconomics	3
ENGL 1AH Honors Reading and Composition, or	
ENGL 3H Honors Critical Reading & Writing, or	
PHIL 2H Honors Critical Reasoning and Analytic Writing	3-4
HIST 1H Honors Western Civilization to 1648, or	
HIST 2H Honors Western Civilization since 1648, or	
HIST 12H Honors History of the United States since 1877	3
HUMAN 10H Honors Classical Humanities, or	
HUMAN 11H Honors Modern Humanities.....	3
PHIL 1AH Honors Theories of Knowledge and Reality	3
POLSCI 2H Honors American Government.....	3
PSY 2H Honors General Psychology.....	3
SOC 1AH Honors Introduction to Sociology	3

COLLOQUIA

Select a minimum of 1 unit:

	Units
HONORS 1A Honors Science Colloquium: Biological Science through Scholarly Research	1
HONORS 1C Honors Humanities Colloquium: Humanities through the Ages.....	1
HONORS 1D Honors Business, Economics, and Accounting Colloquium: The Local Economy and Agribusiness	1
HONORS 1E Honors Social Science Colloquium: Contemporary Issues in Social Science.....	1
HONORS 1F Honors Phi Theta Kappa Colloquium: Phi Theta Kappa Study Topics	1

HUMANITIES

HUMANITIES – MAJOR #5330

deleted program, Spring 2018

KINESIOLOGY

KINESIOLOGY FOR TRANSFER – MAJOR #4555

new program, Fall 2017

An Associate in Science in Kinesiology for Transfer is designed for students who plan to complete a bachelor's degree in Kinesiology at a CSU or UC campus. An Associate in Science in Kinesiology prepares students to pursue studies in fields such as kinesiology/physical education credential programs, exercise science, athletic training/sports medicine, and sports administration. To earn the Associate in Science in Kinesiology for Transfer, students must complete a maximum of 60 required semester units of CSU-transferable coursework, including either the CSU-GE Breadth or IGETC requirements and 22-23 semester units within the major. Students must maintain a minimum 2.0 GPA, including grades of C or higher in each course

taken to fulfill the major. Local graduation requirements are not required for the transfer degree. For more information on university admission and transfer requirements, students should consult with a counselor.

Associate in Science

Student Learning Outcome:

1. Recognize and evaluate the importance of a healthy and physically active lifestyle.
2. Identify the major systems of the human body as they relate to movement and activity by explaining and applying the principles of anatomy and physiology.

Required Core Courses		Units
BIOL 20	Human Anatomy, and	
BIOL 22	Human Physiology, or	
BIOL 21A	Human Anatomy & Physiology I, and	
BIOL 21B	Human Anatomy & Physiology II	9
HLTH 2	First Aid and Safety	3
PE 62	Introduction to Kinesiology	3
		Total 15

Required Core Courses:

Select a minimum of 3 different courses from the following for a total of 3 or more units.

	Units
PE 3 Archery	1
PE 4 Badminton	1
PE 5 Basketball.....	1
PE 7 Golf.....	1
PE 12 Swimming.....	1
PE 13 Tennis	1
PE 14 Volleyball.....	1
PE 15A Weight Training (Women)	1
PE 15B Weight Training (Men).....	1
PE 15C Weight Training (Coed)	1
PE 17 Hatha Yoga	1

Electives:

Select a minimum of 1 different course from the following for a total of 4 or more units.

	Units
CHEM 1A General Chemistry	5
DS 23 Business Statistics	3
MATH 11 Elementary Statistics.....	4
PHYS 2A General Physics 1	4
Total 22-23	

LAW

PRE-LAW IN INTERDISCIPLINARY STUDIES – MAJOR #8710

new program, Fall 2017

The Interdisciplinary Pre-Law degree is designed to provide students with the background and skills necessary to succeed in pre-law programs at 4-year institutions, and law schools. Students in this program will develop the reading comprehension, written communication, research, and critical reasoning skills that will help them excel in the legal field. In addition, students will gain an understanding and appreciation of historical, social, political and economic issues related to law. The courses in the program fit the general education requirements for the Associate's Degree, as well as California State University and University of California transfer. Students enrolled in the pathway to law school program are encouraged to pursue the Interdisciplinary Pre-Law degree.

Associate in Arts

Student Learning Outcomes:

1. Demonstrate independent and critical thinking regarding important topics in law.
2. Conduct research and effectively write about historical, social, political and economic issues related to law.

Required Core Courses		Units
AMST 11	Law and Democracy.....	3
BA 18	Business and the Legal Environment	4
COMM 4	Persuasion	3
CRIM 6	Concepts of Criminal Law	3
ENGL 1A	Reading and Composition	4
HIST 12	History of the United States since 1877	3

MATH 42	Statistics for the Behavioral Sciences	4
PHIL 1B	Social and Political Philosophy.....	3
PHIL 1C	Ethics	3
PHIL 2	Critical Reasoning and Analytic Writing.....	3
PHIL 6	Symbolic Logic	3
POLSCI 2	American Government	3
POLSCI 13	Legal and Judicial Reasoning	3
Select two courses:		Units
HIST 21	United States Civil War	3
HIST/WSTS 22	History of American Women.....	3
HIST 25	History of Religion in the United States.....	3
HIST/AFRAM 34	History of the American Civil Rights Movement	3
Recommended for GE pattern:		Units
AFRAM 3	African-American Art	3
ANTHRO 1	Biological Anthropology	3
GEOG 7	Physical Geography: Earth's Surface.....	4
LIBSKL 2	Information and Computer Literacy	3
PSY 2	General Psychology	3
Physical Education Courses		2

SUGGESTED SEQUENCE OF COURSES

First Semester		Units
CRIM 6	Concepts of Criminal Law	3
ENGL 1A	Reading and Composition.....	4
HIST 12	History of the United States since 1877	3
LIBSKL 2	Information and Computer Literacy	3
Physical Education Course.....		1
Second Semester		Units
BA 18	Business and the Legal Environment.....	4
COMM 4	Persuasion	3
HIST 21	United States Civil War, <i>or</i>	
HIST/WSTS 22	History of American Women.....	3
PHIL 2	Critical Reasoning and Analytic Writing.....	3
PSY 2	General Psychology	3
Third Semester		Units
HIST 25	History of Religion in the United States, <i>or</i>	
HIST/AFRAM 34	History of the American Civil Rights Movement	3
MATH 42	Statistics for the Behavioral Sciences	4
PHIL 1C	Ethics	3
PHIL 6	Symbolic Logic	3
POLSCI 13	Legal and Judicial Reasoning	3
Physical Education Course.....		1
Fourth Semester		Units
AFRAM 3	African-American Art	3
AMST 11	Law and Democracy.....	3
ANTHRO 1	Biological Anthropology.....	3
GEOG 7	Physical Geography: Earth's Surface.....	4
PHIL 1B	Social and Political Philosophy.....	3
POLSCI 2	American Government	3
Total		66

PHILOSOPHY

PHILOSOPHY FOR TRANSFER – MAJOR #5341

revised program, Spring 2018

An Associate in Arts in Philosophy for Transfer is designed for students who plan to complete a bachelor's degree in a similar major at a CSU campus. An Associate in Arts in Philosophy for Transfer is a great way to develop critical and creative reasoning skills, enhance an ability to read complex materials with comprehension, and improve communication skills. These assets will be valuable as a transfer student to a four-year institution, whether you major in philosophy or some other field, and will enhance your preparation for a wide range of career opportunities. To earn the Associate in Arts in Philosophy for Transfer, students must complete a maximum of 60 required semester units of CSU-transferable coursework, including either the CSU-GE Breadth or IGETC requirements and 18 semester units within the major. Students must maintain a

minimum 2.0 GPA, including grades of C or higher in each course taken to fulfill the major. Local graduation requirements are not required for the transfer degree. For more information on university admission and transfer requirements, students should consult with a counselor.

Associate in Arts

Student Learning Outcomes:

1. Demonstrate independent and critical thinking regarding important topics in philosophy.
2. Analyze and evaluate arguments, both philosophical and non-philosophical, in accordance with the standards taught in our philosophy courses.

Required Courses		Units
PHIL 1A/1AH	Theories of Knowledge and Reality, or Honors Theories of Knowledge and Reality	3
PHIL 1C	Ethics	3
PHIL 6	Symbolic Logic	3

Select three of the following courses (minimum two PHIL):		Units
HIST 1/1H	Western Civilization to 1648, or Honors Western Civilization to 1648	3
HIST 2/2H	Western Civilization since 1648, or Honors Western Civilization since 1648	3
HUMAN 10/10H	Classical Humanities, or Honors Classical Humanities	3
HUMAN 11/11H	Modern Humanities, or Honors Modern Humanities	3
PHIL 1B	Social and Political Philosophy	3
PHIL 1D	World Religions	3
PHIL 2/2H	Critical Reasoning and Analytic Writing, or Honors Critical Reasoning and Analytic Writing	3
PHIL 5	Philosophy of Religion	3
		Total 18

PHOTOGRAPHY

PHOTOGRAPHY, COMMERCIAL PHOTOGRAPHY – MAJOR #5222

revised program, Spring 2018

Students taking these courses will develop skills in creating photographs for commercial clients from small and large scale studio and location situations. Students will learn appropriate workflow and processes to compete in the commercial marketplace.

Certificate of Achievement

Student Learning Outcomes:

1. Utilize skills in picture creation, selection and cropping with emphasis on impact and marketability.

Required Courses:		Units
PHOTO 6	Digital Imaging Fundamentals	3
PHOTO 12	Beginning Photoshop	3
PHOTO 23	Advanced Photoshop	3
PHOTO 26	Lighting Principles	3
PHOTO 32	Commercial Portraiture	3
PHOTO 57	Applied Color and Alternative Photographic Media	3
		Total 18

PHOTOGRAPHY, DIGITAL PHOTOGRAPHY – MAJOR #5223

revised program, Spring 2018

Students taking these classes will learn the various methods and processes of digital photography emphasizing professional quality on all levels. From digital capture to high end output printing, students will learn control of a variety of digital systems.

Certificate of Achievement

Student Learning Outcomes:

1. Organize effective color management of images from input to output on high end digital printing devices.

Required Courses:		Units
GRC 52	Adobe Lightroom	3
PHOTO 6	Digital Imaging Fundamentals	3

PHOTO 12	Beginning Photoshop	3
PHOTO 23	Advanced Photoshop	3
PHOTO 57	Applied Color and Alternative Photographic Media	3
	Total	15

POLITICAL SCIENCE

POLITICAL SCIENCE FOR TRANSFER – MAJOR #7450

revised program, Spring 2018

The Associate in Arts in Political Science for Transfer degree is designed for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. To earn the associate in arts transfer degree, students must complete a maximum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Local graduation requirements are not required for the transfer degree. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. Students are required to complete: A.) A minimum of 18 semester units in the major with a grade of C or better while maintaining a minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework. B.) 60 semester CSU transferable units using the CSU-General Education Breadth pattern; OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern. C.) No more than 60 semester units are required.

Associate in Arts

Student Learning Outcomes:

1. Explain the method of inquiry used by political science.
2. Evaluate the success of political systems in building community, fostering economic growth and attaining the goals of liberty, security, and equality.
3. Identify and explain the causes and consequences of increasing global interdependence.

Required Core Course: Select one of the following:

POLSCI 2/2H	American Government, or Honors American Government.....	3
-------------	--	---

List A: Select three of the following:

MATH/PSY 42	Statistics for the Behavioral Sciences, or MATH 11 Elementary Statistics.....	4
POLSCI 1	Modern Politics.....	3
POLSCI 3	Introduction to Political Theory and Thought	3
POLSCI 5	Comparative Government	3
POLSCI 24	International Relations.....	3

List B: Select two of the following:

BA 20	Law and the Legal System	3
ECON 40	Introduction to Microeconomics, or ECON 50 Introduction to Macroeconomics	3
POLSCI 13	Legal and Judicial Reasoning	3
SOC 1B	Critical Thinking about Social Problems	3
	Total	18-19

COURSE DESCRIPTIONS

Changes to Pages 220-387

Course Classification System

Credit, Non-degree Applicable

Change: new

Admin of Justice 225 – Standardized Field Sobriety Tests (SFSTs)	<i>effective Spring 2018</i>
Admin of Justice 226 – Advanced Roadside Impaired Driving Enforcement (ARIDE)	<i>effective Spring 2018</i>
Admin of Justice 240 – Arrest and Control Update	<i>effective Spring 2018</i>
Admin of Justice 246I – Basic Bicycle Patrol	<i>effective Spring 2018</i>
Admin of Justice 246J – Drug/Alcohol Standardized Field Sobriety Tests Update	<i>effective Spring 2018</i>
Admin of Justice 246K – Crisis Intervention Training	<i>effective Spring 2018</i>

Change: delete

Radiologic Tech 205 – Radiologic Review	<i>effective Spring 2018</i>
---	------------------------------

Noncredit

Change: new

Applied Tech 340 – Introduction to Machine Shop	<i>effective Spring 2018</i>
Applied Tech 350 – Pneumatic & Hydraulic Systems	<i>effective Spring 2018</i>
Applied Tech 360 – Mechanical Power Drive Systems	<i>effective Spring 2018</i>

Change: delete

Apprenticeship 361/7J – Apprenticeship Roofing	<i>effective Spring 2018</i>
--	------------------------------

Courses

Accounting (ACCTG)

Change: prerequisite, advisory

effective Spring 2018

70 QuickBooks Fundamentals, 2 units, 2 lecture hours
Advisory: Accounting 4A. Eligibility for English 1A recommended.

Administration of Justice (AJ)

New course

effective Spring 2018

225 Standardized Field Sobriety Tests (SFSTs), 0.5 unit, 16.8 lecture hours, (1 week), (Pass/No Pass)

Prerequisite: A California Peace Officer Standards and Training Basic Course certificate issued from an accredited regional police academy or equivalent as determined by the division Dean or their appointee. These skills and knowledge base are related to adopted POST or industry standards. NOTE: Approval of equivalent training is not a guarantee that state regulatory or licensing agencies will also grant equivalency.

Develop skills in recognizing, interpreting and administering the Standardized Field Sobriety Tests, write reports, testify in court for cases involving driving under the influence.

New course

effective Spring 2018

226 Advanced Roadside Impaired Driving Enforcement (ARIDE), 0.5 unit, 16.8 lecture hours, (1 week), (Pass/No Pass)

Prerequisite: A California Peace Officer Standards and Training Basic Course certificate issued from an accredited regional police academy or equivalent as determined by the division Dean or their appointee. Must possess a California POST SFST certificate issued by a POST certified presenter. These skills and knowledge base are related to adopted POST or industry standards. NOTE: Approval of equivalent training is not a guarantee that state regulatory or licensing agencies will also grant equivalency.

ARIDE is required by the National Standardized Field Sobriety Testing Program Standards to enroll in a Drug Recognition Evaluator course, includes information on various drugs and/or alcohol and their effect on humans as it related to violations of federal, state and local laws.

New course**effective Spring 2018**

240 Arrest and Control Update, 0.1 unit, 0.06 lecture hour, 0.18 lab hour, (Pass/No Pass), (Open Entry/Open Exit)
Prerequisite: A California Peace Officer Standards and Training Basic Course certificate issued from an accredited regional police academy or equivalent as determined by the division Dean or their appointee. These skills and knowledge base are related to adopted POST and/or industry standards. NOTE: Approval of equivalent training is not a guarantee that state regulatory or licensing agencies will also grant equivalency.

Arrest and control techniques update required by POST for current law enforcement officers who fall within the POST mandated perishable skills requirements.

New course**effective Spring 2018**

246I Basic Bicycle Patrol, 1.5 units, 1.87 lab hours, (Pass/No Pass), (Open Entry/Open Exit)
Prerequisite: A California Peace Officer Standards and Training Basic Course certificate issued from an accredited regional police academy or equivalent as determined by the division Dean or their appointee. These skills and knowledge base are related to adopted POST or industry standards. NOTE: Approval of equivalent training is not a guarantee that state regulatory or licensing agencies will also grant equivalency.

Familiarizes the sworn law enforcement bike officer patrol riding techniques, use of force concerns, legal procedures, equipment and maintenance.

New course**effective Spring 2018**

246J Drug/Alcohol Standardized Field Sobriety Tests Update, 0.1 unit, 0.46 lab hour, (Pass/No Pass), (Open Entry/Open Exit)

Prerequisite: A California Peace Officer Standards and Training Basic Course certificate issued from an accredited regional police academy or equivalent as determined by the division Dean or their appointee. These skills and knowledge base are related to adopted POST or industry standards. NOTE: Approval of equivalent training is not a guarantee that state regulatory or licensing agencies will also grant equivalency.

Provide students with the ability to refresh their knowledge at recognizing and interpreting evidence of DUI violations, administer and interpret standardized field sobriety tests, describe DUI evidence, give verbal testimony and document the incident.

New course**effective Spring 2018**

246K Crisis Intervention Training, 0.5 unit, 2.23 lab hours, (Pass/No Pass), (Open Entry/Open Exit)

Prerequisite: A California Peace Officer Standards and Training Basic Course certificate issued from an accredited regional police academy or equivalent as determined by the division Dean or their appointee. These skills and knowledge base are related to adopted POST or industry standards. NOTE: Approval of equivalent training is not a guarantee that state regulatory or licensing agencies will also grant equivalency. Course meets the minimum topics of SB29 & PC 13515.28(a)(1).

Provides students with increased knowledge about mental health crisis, mental illness, the stigma associated with mental illness, and de-escalation strategies to avoid violent confrontations. Course meets the minimum topics of SB29 & PC 13515.28(a)(1).

Allied Health (AHLTH)

Change: course number, Pass/No Pass, Open Entry/Open Exit**effective Spring 2018**

104 Autism Technician Training, 3 units, 3 lecture hours, (Formerly Allied Health 204)

Applied Technology (AT)

New course**effective Spring 2018**

340 Introduction to Machine Shop, 2 lecture hours, 3 lab hours, (Pass/No Pass)

Advisory: Eligibility for English 125 and 126 recommended. Applied Technology 130 recommended.
 Introduction to machine shop equipment in regards to safety, operation and application.

New course**effective Spring 2018**

350 Pneumatic & Hydraulic Systems, 2 lecture hours, 3 lab hours, (Pass/No Pass)

Advisory: Eligibility for English 1A and Mathematics 201 recommended. Applied Technology 10 recommended.
 Principles and practices of hydraulics/pneumatics as used in the industry. Study of the different applications and management of hydraulics for the most efficient use. Basic pneumatic principles and application systems.

New course**effective Spring 2018**

360 Mechanical Power Drive Systems, 3 lecture hours, 1 lab hour, (Pass/No Pass)

Advisory: Eligibility for English 125 and 126 recommended. Applied Technology 130 recommended.
 The theory behind and practical principles of using mechanical power to do work and includes power sources, drive trains, gearboxes, conveyor systems, and specialized transmission devices. Emphasis will be placed on troubleshooting and repair techniques, safety and reliability.

Apprenticeship (APP)

Course deleted

361/7J Apprenticeship Roofing, 3 lecture hours, 1 lab hour, (Formerly Apprenticeship 61/66J and Apprenticeship 361/366J), (Open Entry/Open Exit)

effective Spring 2018

Art (ART)

New course

25A Intermediate Mural Painting, 3 units, 2 lecture hours, 4 lab hours

Prerequisite: Art 25. **Advisory:** Eligibility for English 1A recommended.

An advanced exploration of the aesthetic and practical applications of mural painting, including historical background, planning, techniques and execution. (A, CSU)

effective Spring 2018

Astronomy (ASTRO)

Change: advisory

10 Basic Astronomy, 3 units, 2 lecture hours, 2 lab hours

Advisory: Eligibility for English 1A recommended. Mathematics 201 recommended.

effective Spring 2018

Computer Science (CSCI)

New course

1 Introduction to Programming Concepts and Methodologies, 3 units, 2.5 lecture hours, 2 lab hours

Prerequisite: Mathematics 103. **Advisory:** Eligibility for English 1A recommended.

Introduction to computer science with emphases on critical thinking skills and programming concepts. Topics include deductive reasoning, computer hardware and software, programming concepts and methodology. The course is designed to prepare students with little or no programming experience for CSCI 40. The course satisfies the Computer Familiarity requirement. (A, CSU)

effective Spring 2018

Electrical Systems Technology (EST)

New course

83A Robotics, Industrial - Introduction, 3 units, 3 lecture hours, 1 lab hour

Advisory: Electrical Systems Technology 54. Eligibility for English 1A recommended.

This introduction covers the basic operation, programming, and vision integration with industrial robots. (A, CSU)

effective Spring 2018

New course

83B Robotics, Industrial - Advanced Application, 3 units, 3 lecture hours, 1 lab hour

Advisory: Electrical Systems Technology 83A. Eligibility for English 1A recommended.

Advanced maintenance, programming, operation, and collaborative applications. (A, CSU)

effective Spring 2018

Engineering (ENGR)

Change: description

6 Circuits with Lab, 4 units, 3 lecture hours, 3 lab hours

Prerequisite: Physics 4B. **Corequisite:** Mathematics 7. **Advisory:** Eligibility for English 1A recommended.

An introductory course in the analysis of DC and AC linear circuits containing resistors, inductors, capacitors, independent and dependent voltage and current sources, and operational amplifiers. Lecture topics include Ohm's Law, Kirchhoff's Laws, node and mesh analysis, Thevenin's and Norton's Theorems, superposition, natural and forced response in first and second order circuits, phasor analysis, resonance, AC steady-state power calculations, power transfer, and energy concepts. Lab component includes construction, testing, and analysis of linear electrical circuits. (A, CSU, UC)

effective Spring 2018

Fire Technology (FIRET)

Change: hours, weeks

4 Building Construction for Fire Protection, 3 units, 3.27 lecture hours

effective Spring 2018

Change: hours, weeks

5 Fire Behavior and Combustion, 3 units, 3.27 lecture hours, (Formerly Fire Science 3)

effective Spring 2018**Geography (GEOG)****Change: units, hours**

1 Physical Geography, 4 units, 3 lecture hours, 2 lab hours

effective Spring 2018**Global Studies (GLST)****New course**

1 Introduction to Global Studies, 3 units, 3 lecture hours

Advisory: Eligibility for English 1A recommended.

Study of the interconnectedness and interdependence of global processes. Review of the complexity of world societies and issues and related policy dilemmas through an interdisciplinary approach. Special attention given to political, economic, social, historical and cultural patterns that mark globalization processes. Included among explored topics are the environment, migration, human rights, peace, conflict, global trade, and economic linkages. (A, CSU)

effective Spring 2018**New course**

2 Global Issues, 3 units, 3 lecture hours

Advisory: Eligibility for English 1A recommended.

Introduces origins, current status and future trends of major transnational issues. Focus on global governance and responsibilities. Topics can include population trends, economic development, basic human needs, human rights, international conflict and security and environmental concerns. (A, CSU)

effective Spring 2018**Graphic Communications (GRC)****Change: title, description**

24 Intro 2-D Animation with Adobe Animate, 3 units, 2 lecture hours, 3 lab hours

Advisory: Eligibility for English 1A recommended.

Use Adobe Animate to author two-dimensional animation. Design and production of interactive media projects. Fulfills computer literacy graduation requirement. (A, CSU)

effective Spring 2018**Change: number, units, hours, repeats, Pass/No Pass, Open Entry/Open Exit, description**

300A Adobe ACA Certification, 0.5-3 lab hours, (Pass/No Pass), (Open Entry/Open Exit), (Formerly Graphic Communications 255)

Advisory: Eligibility for English 1A recommended.

The Adobe Certified Associate coursework provides students an opportunity to demonstrate proficiency in Adobe digital communication tools by passing an industry recognized exam. Preparation for the testing process, environment, and depth of knowledge required to successfully complete the Adobe Certified Associate exam is presented as well as opportunities to pretest.

effective Spring 2018**Humanities (HUM)****Change: prerequisite, description**

10 Classical Humanities, 3 units, 3 lecture hours

Prerequisite: Eligibility for English 1A.

An integrated study of the art, music, literature, philosophy, and drama of human civilization from the Greeks through the Renaissance. (A, CSU-GE, UC, I)

effective Spring 2018**Change: prerequisite, description**

10H Honors Classical Humanities, 3 units, 3 lecture hours

Prerequisite: Eligibility for English 1A.

An integrated study of the art, music, literature, philosophy, and drama of human civilization from the Greeks through the Renaissance. Honors sections may cover additional subject matter such as more extensive reading and research as well as additional writing. (A, CSU-GE, UC, I)

effective Spring 2018

Change: prerequisite, description**effective Spring 2018****11 Modern Humanities, 3 units, 3 lecture hours****Prerequisite:** Eligibility for English 1A.

An integrated study of the art, music, literature, philosophy, and drama of human civilization from the seventeenth century to the present. (A, CSU-GE, UC, I)

Change: prerequisite, description**effective Spring 2018****11H Honors Modern Humanities, 3 units, 3 lecture hours****Prerequisite:** Eligibility for English 1A.

An integrated study of the art, music, literature, philosophy, and drama of human civilization from the seventeenth century to the present. Honors sections may cover additional subject matter such as more extensive reading and research as well as additional writing. (A, CSU-GE, UC, I)

Mathematics (MATH)

Correction: C-ID**effective Fall 2017****5A Mathematical Analysis I, 5 units, 5 lecture hours****Prerequisite:** Mathematics 4B or equivalent.**Advisory:** Eligibility for English 1A recommended.

Introduction to differential and integral calculus, analytical geometry, differentiation and integration of functions, limits continuity, the Fundamental Theorem of Calculus, and applications of differentiation. (C-ID MATH 210 and C-ID MATH 900S = MATH 5A + MATH 5B) (A, CSU-GE, UC, I)

Music (MUS)

New course**effective Spring 2018****15 World Music Survey, 3 units, 3 lecture hours****Advisory:** Eligibility for English 1A recommended.

An exploration of global cultures through music. Students discover the characteristics and social contexts of indigenous, historical, and popular music from cultures including African, American Indian, Central Asian, Latin American, Pacific Island, and South Asian/Indian. (A, CSU)

Philosophy (PHIL)

Change: prerequisite, description**effective Spring 2018****1A Theories of Knowledge and Reality, 3 units, 3 lecture hours****Prerequisite:** English 1A.

An introduction to philosophical thinking on the nature of knowledge, truth, and reality. (C-ID PHIL 100) (A, CSU-GE, UC, I)

Change: prerequisite, description**effective Spring 2018****1AH Honors Theories of Knowledge and Reality, 3 units, 3 lecture hours, (Formerly Honors 1P)****Prerequisite:** English 1A.

An introduction to philosophical thinking on the nature of knowledge, truth, and reality. Honors sections may also focus on an historical overview, or a more in-depth study of a significant branch of philosophy, e.g., philosophy of language or philosophy of mind. (C-ID PHIL 100) (A, CSU-GE, UC, I)

Change: prerequisite, description**effective Spring 2018****1B Social and Political Philosophy, 3 units, 3 lecture hours****Prerequisite:** English 1A.

An introduction to social and political philosophies; inquiry into views of human nature and human happiness, inquiry into the best form of society or government. (C-ID PHIL 100) (A, CSU-GE, UC, I)

Change: prerequisite**effective Spring 2018****1C Ethics, 3 units, 3 lecture hours****Prerequisite:** English 1A.**Change: prerequisite****effective Spring 2018****1D World Religions, 3 units, 3 lecture hours****Prerequisite:** English 1A.

Change: prerequisite, description **effective Spring 2018**
2 Critical Reasoning and Analytic Writing, 3 units, 3 lecture hours, (Formerly Philosophy 4)
Prerequisite: English 1A.
 Principles and methods of good reasoning, with an emphasis on deductive logic, including formal techniques of sentential logic. Includes the identification of arguments, developing and assessing basic deductive and inductive reasoning, common fallacies, and application of each element to various areas of study and real world situations. (A, CSU-GE, UC, I)

Photography (PHOTO)

Change: description **effective Spring 2018**
6 Digital Imaging Fundamentals, 3 units, 2 lecture hours, 3 lab hours
Advisory: Eligibility for English 1A recommended.
 Theories and practices of manually adjustable digital cameras; technical and creative use of manual camera controls and capture. Topics include: automatic vs. manual shooting modes, camera menus, exposure control, depth of field, motion control, basic flash, white balance, file formats, capture workflow, and camera care as well as the legal and ethical issues of photography. Image processing involving tonal range, organization and color adjustment using Adobe Lightroom. (A, CSU)

Change: title, description **effective Spring 2018**
12 Beginning Photoshop, 3 units, 2 lecture hours, 3 lab hours, (Formerly Photography 22)
Advisory: Eligibility for English 1A recommended.
 Introduction to Photoshop including a variety of problem solving lessons and projects using: digital image capture, organization, basic tone and color adjustments, basic retouching, and printing techniques. (A, CSU)

Change: description **effective Spring 2018**
18 Digital Black and White Photography, 3 units, 2 lecture hours, 3 lab hours, (Formerly Photography 20)
Prerequisite: Photography 12 or equivalent. **Advisory:** Photography 17.
 Interpreting reality through the many pathways to digital black and white photography using Adobe Photoshop and other software applications on a variety of projects. Projects emphasize the vision, language, and technique of black and white print. (A, CSU)

Change: title, description **effective Spring 2018**
23 Advanced Photoshop, 3 units, 2 lecture hours, 3 lab hours
Prerequisite: Photography 12 or Graphic Communications 31 or equivalent.
 Advanced techniques for computer enhanced still photograph image capture, processing, and output technologies. Use of Adobe Photoshop as primary software to complete real world assignments and produce a portfolio of digital photography. (A, CSU)

Change: prerequisite **effective Spring 2018**
26 Lighting Principles, 3 units, 2 lecture hours, 3 lab hours, (Formerly Photography 24 and 35)
Prerequisite: Photography 6 or equivalent. **Advisory:** Photography 12.

Change: prerequisite, corequisite, advisory **effective Spring 2018**
30 Editorial Photography, 3 units, 2 lecture hours, 3 lab hours
Corequisite: Photography 6. **Advisory:** Photography 12.

Change: advisory **effective Spring 2018**
32 Commercial Portraiture, 3 units, 2 lecture hours, 3 lab hours, (Formerly Photography 23 and 25)
Prerequisite: Photography 6 or equivalent. **Advisory:** Photography 12.

Change: prerequisite, corequisite, advisory **effective Spring 2018**
40 Professional Photographic Practices, 3 units, 2 lecture hours, 3 lab hours
Prerequisite: Photography 12 or equivalent.

Change: prerequisite, advisory **effective Spring 2018**
45 Advanced Projects, 3 units, 2 lecture hours, 3 lab hours
Prerequisite: Photography 18, 23, 26, 30, 32, or 47.

Change: prerequisite, prerequisite, corequisite, advisory **effective Spring 2018**
47 Book/Video Publishing, 3 units, 2 lecture hours, 3 lab hours
Prerequisite: Photography 15.

Change: prerequisite, prerequisite, description**effective Spring 2018****57 Applied Color and Alternative Photographic Media, 3 units, 2 lecture hours, 3 lab hours****Prerequisite:** Graphic Communications 31 or Photography 12. **Advisory:** Photography 23.

Developing a personal vision by seeing and working with digital media using various media and methods for creating photographic images. Contemporary and digital processes will be used and combined for representational and non-representational images. Color Theory and Color Management in the photographic medium and its relationship to alternative media. (A, CSU)

Political Science (POLSCI)**Change: description****effective Spring 2018****1 Modern Politics, 3 units, 3 lecture hours****Advisory:** Eligibility for English 1A recommended.

An introduction to political science, designed to familiarize students with basic political concepts, ideologies, systems, and discipline subfields. (C-ID POLS 150) (A, CSU-GE, UC, I)

Radiologic Technology (RAD)**Course deleted****effective Spring 2018****205 Radiologic Review, 1 unit, 2 lab hours****Recreation (REC)****Change: hours****effective Spring 2018****21 Recreational Leadership, 3 units, 3 lecture hours****Respiratory Care Practitioner (RCARE)****Change: units, hours, prerequisite, corequisite****effective Spring 2018****21 Applications and Procedures in Respiratory Care, 10 units, 9 lecture hours, 3 lab hours.****Prerequisite:** Respiratory Care 16B. **Corequisite:** Respiratory Care 18.**Spanish (SPAN)****New course****effective Spring 2018****41 Introduction to Poetry in Spanish, 4 units, 4 lecture hours****Prerequisite:** Spanish 4 or Spanish 4NS or equivalent (experience using Spanish at home, work or abroad).**Advisory:** Eligibility for English 1A recommended.

Spanish 41 provides the first steps to Spanish metrics, rhyme, and rhythm. It also covers periods of poetry from Medieval Spain to contemporary Spain and Latin America. (A, CSU)