

Fresno City College
2024-2025
Catalog Addendum
May 2025

Table of Contents

Certificate and Degree Requirements	1
Transfer Information and Requirements	2
Degree and Certificate Programs	4
Courses Descriptions	34



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

CERTIFICATE AND DEGREE REQUIREMENTS

Changes to Pages 46-52

Certificate of Achievement

- + A certificate of achievement shall be awarded to students who successfully complete a specified curriculum (minimum of 8 units) with a minimum "C" grade in each required course. For CSU General Education-Breadth certificates, a minimum of "D" grade will fulfill the requirements for Areas B (excluding B4), C, D, E, and F.

In order to receive the certificate of achievement, the student shall apply for the certificate with Admissions and Records upon completion of the requirements.

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

TRANSFER INFORMATION AND REQUIREMENTS

Changes to Pages 53-74

Course Identification Numbering Systems (C-ID)

C-ID Number	Fresno City College Course	
Change: add		
# COMM 110	Communication Studies 1H, Honors Introduction to Public Speaking	<i>effective Fall 2024</i>
+ EDUC 200	Education 10, Introduction to Teaching With Classroom Fieldwork	<i>effective Spring 2025</i>
GEOG 155	Geography 10, Introduction to GIS	<i>effective Fall 2024</i>
+ MUS 180	Music 45, Mariachi Ensemble	<i>effective Fall 2024</i>
# PH 100	Health Science 1, Contemporary Health Issues	<i>effective Fall 2024</i>
+ PH 101	Allied Health 1, Introduction to Public Health	<i>effective Spring 2025</i>
# PH 102	Allied Health 2, Health and Social Justice	<i>effective Fall 2024</i>
+ PH 108	Allied Health 3, Investigating Disease Outbreaks and Epidemics	<i>effective Spring 2025</i>

Fresno City College General Education for the Associate Degree

Change: add		
ANTHRO 13	Area B: Social and Behavioral Sciences	<i>effective Spring 2025</i>
FILM 5B	Area C: Humanities	<i>effective Spring 2025</i>
FILM 8	Area C: Humanities	<i>effective Spring 2025</i>
FILM 9	Area C: Humanities	<i>effective Spring 2025</i>
FILM 70	Area C: Humanities	<i>effective Spring 2025</i>
# PUNJABI 2	Area C: Humanities	<i>effective Spring 2025</i>
Change: delete		
FILM 7	Area C: Humanities	<i>effective Spring 2025</i>

California State University Transfer Course List (CSU)

Change: add		
Communication 1H		<i>effective Spring 2025</i>
# Construction 54		<i>effective Spring 2025</i>
# Dance 20C		<i>effective Spring 2025</i>
# Engineering 13		<i>effective Spring 2025</i>
# Engineering 14		<i>effective Spring 2025</i>
# Engineering 15		<i>effective Spring 2025</i>
Film 5A		<i>effective Spring 2025</i>
Film 5B		<i>effective Spring 2025</i>
Film 8		<i>effective Spring 2025</i>
Film 9		<i>effective Spring 2025</i>
Film 20		<i>effective Spring 2025</i>
Film 30		<i>effective Spring 2025</i>
Film 40		<i>effective Spring 2025</i>
Film 70		<i>effective Spring 2025</i>
# Punjabi 2		<i>effective Spring 2025</i>
Change: delete		
Film 5		<i>effective Spring 2025</i>

University of California Transfer Course List (UC)

Change: add		
Allied Health 21		<i>effective Fall 2024</i>
Communication 1H		<i>effective Fall 2024</i>
Child Development 11		<i>effective Fall 2024</i>
Child Development 21		<i>effective Fall 2024</i>
Chemistry 6B		<i>effective Fall 2024</i>
Dance 7		<i>effective Fall 2024</i>
Economics 25		<i>effective Fall 2024</i>
Education 10		<i>effective Fall 2024</i>

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Film 5B	<i>effective Fall 2024</i>
Film 8	<i>effective Fall 2024</i>
Film 9	<i>effective Fall 2024</i>
Film 20	<i>effective Fall 2024</i>
Film 30	<i>effective Fall 2024</i>
Film 40	<i>effective Fall 2024</i>
Film 70	<i>effective Fall 2024</i>
Food and Nutrition 43	<i>effective Fall 2024</i>
Geology 12L	<i>effective Fall 2024</i>
Linguistics 11	<i>effective Fall 2024</i>
Women's Studies 43	<i>effective Fall 2024</i>

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

DEGREE AND CERTIFICATE PROGRAMS

Changes to Pages 141-335

AGRICULTURE

+ AGRICULTURAL FOUNDATIONS – MAJOR #1021

new program, Fall 2024

The Certificate of Achievement in Agriculture Foundations prepares students for the agricultural workforce. The certificate provides students with a foundation of knowledge and skills needed in the current agricultural workforce. The courses in this program cover principles of agriculture, agricultural technologies, safety, tools, equipment operation, effective communication, and employability.

Certificate of Achievement

Student Learning Outcomes:

1. Students will be able to demonstrate safe use and/or operation of tools and equipment common to in the agriculture industries.
2. Demonstrate an understanding and application of professional workplace behaviors & skills in the agriculture industries.

Required Courses	Units
AG 150 Agriculture Technical Literacy	2
AG 151 Agriculture Systems	3
AG 152 Agricultural Safety	2
AG 153 Equipment Operation, Configuration, and Troubleshooting.....	3
AG 154 Workplace Effectiveness	2
	Total 12

AGRICULTURAL FOUNDATIONS – MAJOR #1021

new program, Fall 2024

The Certificate of Completion in Agricultural Foundations prepares students for the agricultural workforce. The certificate provides students with a foundation of knowledge and skills needed in the current agricultural workforce. The courses in this program cover principles of agriculture, agricultural technologies, safety, tools, equipment operation, effective communication, and employability.

Certificate of Completion

Student Learning Outcomes:

1. Students will be able to demonstrate safe use and/or operation of tools and equipment common to in the agriculture industries.
2. Demonstrate an understanding and application of professional workplace behaviors & skills in the agriculture industries.

Required Courses	Hours
AG 350 Agriculture Technical Literacy	36
AG 351 Agriculture Systems	90
AG 352 Agricultural Safety	54
AG 353 Equipment Operation, Configuration, and Troubleshooting..	108
AG 354 Workplace Effectiveness	36
	Total 324

ALLIED HEALTH

+ COMMUNITY OUTREACH, SOCIAL JUSTICE, AND HEALTH ADVOCACY – MAJOR #8401

new program, Fall 2024

The Certificate of Achievement in Community Outreach, Social Justice, and Health will prepare students with the skills and knowledge to enter the public health field as a Community Health Worker. This 11-unit certificate program will educate and empower students to successfully serve in community-involved, equity-driven health professions with the skills and core knowledge of community health practice. Students will understand root causes of community health issues and health disparities, assess the health needs of the diverse populations they serve, and develop and implement equity-driven,

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

community-involved health education activities. Students will gain in-field experience with local health organizations to implement the concepts and best practices they have learned through the program.

Certificate of Achievement

Student Learning Outcomes:

1. Demonstrate knowledge of community health and outreach terminology, key concepts, and best practices through research, written assignments, oral presentations, and program development.
2. Use expertise of social determinants of health and health equity practices to implement an equity-minded approach to community outreach and education.
3. Demonstrate knowledge of community health practices to work effectively with local health organizations on health education and outreach efforts.

Required Courses

	Units
AHLTH 1 Introduction to Public Health	3
AHLTH 2 Health and Social Justice	3
AHLTH 21 Culturally Relevant Health Promotion.....	2
PSY 2 General Psychology	3
	Total 11

ANTHROPOLOGY

ANTHROPOLOGY – ARCHAEOLOGY ARCHAEOLOGICAL TECHNICIAN – MAJOR #7120

revised program, Spring 2025

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 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.

ANTHROPOLOGY FOR TRANSFER – MAJOR #7150

revised program, Spring 2025

Anthropology is a program designed to acquaint students with human diversity through a broad approach to the study of people including the prehistoric, biological, and cultural perspectives. Because of its wide coverage, anthropology provides a versatile background that serves as a solid foundation for careers in many fields and vocations. The Associate in Arts in Anthropology for Transfer degree is designed for students who plan to complete a bachelor's degree in Anthropology at a CSU campus. The Associate in Arts in Anthropology for Transfer degree requires (1) The completion of 60 semester units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements. (B) A minimum of 18 semester units in the Anthropology major. (2) Obtainment of a minimum grade point average of 2.0 and the grade of C (or 'P') or better in all courses required for the major. Students are strongly encouraged to meet with a counselor about transfer requirements (IGETC/CSU) early in their program. Anthropology students should also meet with anthropology faculty about course/program offerings as soon as possible once the major has been declared in order to complete the program in a timely manner.

Associate in Arts

Student Learning Outcomes:

1. Demonstrate an understanding of anthropological approaches to the study of humanity: cross-cultural comparison and cultural relativity, holism, and evolutionary theory, and the uses of each.
2. Describe the breadth of anthropology and be able to characterize anthropology's distinctive methodological approaches with respect to the different subdisciplines.
3. Demonstrate understanding of human cultural diversity and biological variation through time.

Required Core Courses

	Units
ANTHRO 1 Biological Anthropology	3
ANTHRO 2/2H Cultural Anthropology, or Honors Cultural Anthropology	3
ANTHRO 4 Introduction to Archaeology.....	3

Select 3-4 units from the following:

	Units
ANTHRO 1L Biological Anthropology Laboratory.....	1
ANTHRO 3 Archaeology and World Prehistory	3

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

ANTHRO 8	Language and Culture, <i>or</i>	
LING 10	Introduction to Language.....	3
ANTHRO 13	Anthropology of Religion, Magic, Witchcraft, and Healing.....	3

Select 4-8 units from the following courses or any courses not used in the section above:

used in the section above:		Units
BIOL 20	Human Anatomy	4
GEOL 1	Physical Geology	4
GEOL 9	Introduction to Earth Science	4
MATH 11	Elementary Statistics, <i>or</i>	
MATH/PSY 42	Statistics for the Behavioral Sciences	4

Select 3-4 units from the following courses or any course not used in the sections above:

	Units
AFRAM 1	Introduction to African American Studies3
AMIND 31	American Indian Culture.....3
ANTHRO 12	Visual Anthropology: Introduction to Ethnographic Film3
ANTHRO 15	Laboratory Methods in Archaeology.....4
ANTHRO 16A	Field Archaeology I.....2
ANTHRO 16B	Field Archaeology II.....2
ANTHRO 24	Doing Archaeology: Hands-On!1.5
ANTHRO/CLS 28	Ancient Mexico3
ASAMER 15	Introduction to Asian American Studies.....3
ASL 5	Deaf Culture3
CLS 11	Introduction to Chicano-Latino Studies.....3
ETHNST 10	Introduction to Ethnic Studies.....3
JOURN 16	Race, Gender and the Media3
WSTS 10	Changing Roles of Women3
Total 19-25	

ART

ART HISTORY FOR TRANSFER – MAJOR #5206

revised program, Spring 2025

The Associate in Arts in Art History for Transfer Degree offers a core foundation for the study of art history across cultures and eras. The program prepares students to continue their studies towards a degree in art history or studio arts at the California State University (CSU) and the University of California (UC) systems. Students will learn skills of analyzing art within its historical and cultural context using art-specific terminology and methodologies. To earn the Associate in Arts in Art History 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 18-20 semester units within the major. Students must maintain a minimum 2.0 GPA, including grades of C (or 'P') 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. Analyze a variety of techniques and formal visual elements of individual works of art in different media and diverse cultures.
2. Define and differentiate various styles of art throughout history.
3. Evaluate works of art in relation to context, historical background, and influence on subsequent artistic periods.
4. Compare stylistic elements that distinguish aesthetic and cultural trends.

Required Core Courses

	Units
ART 5/5H	History of Western Art - Prehistoric to Medieval, <i>or</i> Honors History of Western Art - Prehistoric to Medieval3
ART 6/6H	History of Western Art - Renaissance to Modern, <i>or</i> Honors History of Western Art - Renaissance to Modern.....3
ART 7	Beginning Drawing3

List A – Select one of the following:

	Units
ART 50	Arts of Africa, Oceania and Indigenous North America3
ART 55	Introduction to Asian Art.....3
ART 60	Art of the Ancient Americas.....3
ART 70	Modern and Contemporary Art.....3

List B – Select one of the following:

Units

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

ART 3	Two-Dimensional Design	3
ART 4	Three-Dimensional Design	3
ART 8	Beginning Figure Drawing and Anatomy	3
ART 9	Beginning Painting: Oil/Acrylic	3
ART 10	Beginning Ceramics	3
ART 11	Beginning Sculpture	3
ART 14	Beginning Printmaking	3
ART 40	Photography as Art.....	3
ART 52	Introduction to Digital Art/New Media	3

List C – Select one of the courses below or one from List A or List B not already taken:

List B not already taken:		Units
AFRAM 3	African-American Art	3
AMIND 35	American Indian Art.....	3
ANTHRO 3	Archaeology and World Prehistory	3
ANTHRO 4	Introduction to Archaeology.....	3
ARCH 15A	History of Architecture I	3
ARCH 15B	History of Architecture II	3
CLS 20	Chicano Art	3
FILM 1	Introduction to Media Aesthetics and Cinematic Arts	3
FILM 3	Film and Culture	3
FRENCH 1	Beginning French	5
FRENCH 2	High-Beginning French.....	5
FRENCH 3	Intermediate French	5
GERMAN 1	Beginning German	5
GERMAN 2	High-Beginning German.....	5
HUMAN 10	Classical Humanities	3
HUMAN 11	Modern Humanities	3
PHIL 1A	Theories of Knowledge and Reality	3
SPAN 1	Beginning Spanish	5
SPAN 2	High-Beginning Spanish.....	5
SPAN 3	Intermediate Spanish	5
SPAN 4	High-Intermediate Spanish.....	5
		Total 18-20

BUSINESS ADMINISTRATION

ENTREPRENEURSHIP – MAJOR #2043

new program, Fall 2024

Students will learn what they need to develop ideas into successful startups, how to increase entrepreneurial opportunities in their existing businesses, and how to successfully manage a small company.

Certificate of Achievement

Student Learning Outcomes:

1. Complete a business plan.
2. Demonstrate the ability to start and/or manage a business.

Required Courses

Required Courses		Units
BA 38	Operation of the Small Business	3
BA 51	Business Planning.....	1.5
BA 52	Introduction to Entrepreneurship	3

Select a minimum of 8.5 units from the following:

Select a minimum of 8.5 units from the following:		Units
ACCTG 4A	Financial Accounting	4
ACCTG 70	QuickBooks Fundamentals	3
ACCTG 80	Accounting for Managers	3
BA 10	Introduction to Business	3
BA 19	Work Experience Education	1-3
BA 30	Personal Finance	3
BA 43	Principles of Management.....	3
BT 131	Applied Accounting.....	3.5
MKTG 10	Principles of Marketing	3
MKTG 11	Selling and Sales Management.....	3
MKTG 12	Advertising and Promotion	3
MKTG 21	Digital Marketing	3

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Total 16

BUSINESS & TECHNOLOGY

INFORMATION LITERACY – MAJOR #2331

new program, Fall 2024

Training is designed to provide an information literacy foundation, including digital skills needed to apply for office occupations and maintain a secure online presence.

Certificate of Completion

Student Learning Outcomes:

1. Launch a computer, navigate to productivity software, and begin working.
2. Perform best practices for computer maintenance and security, including protecting oneself from vulnerability to cyber schemes and phishing.

Required Courses

	Hours
BT 371 Intro to Digital Skills.....	12.06
BT 373 Digital and Information Literacy	12.06
Total	24.12

COMPUTER AIDED DRAFTING AND DESIGN

CAD TECHNICIAN – FORMERLY 2D CAD TECHNICIAN – MAJOR #3057

revised program, Fall 2024

Certificate

COMPUTER SCIENCE

COMPUTER SCIENCE – MAJOR #2790

new program, Fall 2024

Computer Science involves design and innovation developed from computing principles. This two-year curriculum focuses on the theoretical foundations of computing, algorithms, and programming techniques, as applied to software development.

Associate of Science and Certificate of Achievement

Student Learning Outcomes:

1. Write a program using flow control statements, functions, and data structures.
2. Create data structures that are optimized for searching and sorting.
3. Analyze a program to determine correctness and efficiency as well as to solve logical errors.

Required Core

	Units
CSCI 40 Programming Concepts and Methodology I	4
CSCI 41 Programming Concepts & Methodology II.....	4
MATH 5A Mathematical Analysis I.....	5
MATH 5B Mathematical Analysis II.....	4

Computer Science Electives

	Units
CSCI 26 Discrete Mathematics for Computer Science, <i>or</i>	
CSCI 45 Computer Architecture and Organization	4

Physics Options

	Units
PHYS 2A General Physics 1, <i>and</i>	
PHYS 2B General Physics 2, <i>or</i>	
PHYS 4A Physics for Scientists and Engineers, <i>and</i>	
PHYS 4B Physics for Scientists and Engineers	8
Total	29

CONSTRUCTION

INDUSTRIAL TECHNOLOGY – CONSTRUCTION EMPHASIS – MAJOR #8993

revised program, Spring 2025

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

This degree is designed for students that have a desire to learn about the different subject areas with a Construction Emphasis within the Applied Technology Division. This could prepare the student to transfer to a four-year university and earn a Bachelor of Science degree in Industrial Technology.

Associate of Science

Student Learning Outcomes:

1. Students will be able to build various projects utilizing the skill they obtained in other courses.
2. Students will gain knowledge in the areas of Architecture, Construction, Drafting, Electricity and Welding. Allowing them to teach these areas in secondary education.
3. Create and modify files using Microsoft Office programs.

Required Courses

	Units
AT 21 Occupational Safety and Health.....	2
CONS 50A Basic Residential Construction.....	3
CADD 14 2D CAD I, or	
DRAFT 12 Drafting Practices.....	3

Recommended Electives (10 units minimum)

	Units
ARCH 10 Architectural Design and Visualization I.....	3
ARCH 11 Introduction to Architecture and Environmental Design.....	2
ARCH 12 Architectural Practice I.....	2
ARCH 14 Digital Tools for Architects.....	2
ARCH 21 Materials of Construction.....	3
CADD 16 3D Solid Modeling I.....	3
CONS 50B Basic Residential Construction.....	3
EST 50 Introduction to Electrical Systems Technology.....	3
EST 53 Lab Safety Practices.....	2
HVAC 50 Principles of HVAC.....	2
WELD 1 Exploring Welding/Metals.....	3
Total	18

INDUSTRIAL TECHNOLOGY – MANUFACTURING EMPHASIS – FORMERLY INDUSTRIAL TECHNOLOGY AND INDUSTRIAL ARTS AND TECHNOLOGY – MAJOR #8994

revised program, Spring 2025

This degree is designed for students that have a desire to learn about the different subject areas with a Manufacturing Emphasis within the Applied Technology Division. This could prepare the student to transfer to a four-year university and earn a Bachelor of Science degree in Industrial Technology.

Associate of Science

Student Learning Outcomes:

1. Students will gain knowledge in the areas of Architecture, Automotive, Construction, Drafting, Electricity and Welding. Allowing them to teach these areas in secondary education.
2. Create and modify files using Microsoft Office programs.

Required Courses

	Units
AT 10 Technical Computer Applications.....	3
CADD 16 3D Solid Modeling I.....	3
WELD 1 Exploring Welding/Metals.....	3

Recommended Electives (9 units minimum)

	Units
AT 21 Occupational Safety and Health.....	2
AUTOT 9 Automotive Essentials.....	3
CADD 14 2D CAD I.....	3
CAM 5 CNC Operation & Maintenance for Machinist.....	2.5
CAM 10 CNC Mill Programming & Operation I.....	4
DRAFT 12 Drafting Practices.....	3
ENGR 10 Introduction to Engineering.....	2
ENGR 11 Manufacturing Processes.....	3
EST 50 Introduction to Electrical Systems Technology.....	3
EST 51 Direct Current Fundamentals of Electronics.....	3
EST 52 Alternating Current Fundamentals.....	3
EST 53 Lab Safety Practices.....	2
EST 54 Semiconductor Devices.....	3
EST 55A Digital Concepts.....	3
EST 56B Motor Controls.....	3

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

EST 58	Programmable Logic Controllers	3
EST 59	Instrumentation Systems	3
EST 60	A+ PC Maintenance and Repair	3
EST 61	Networking Fundamentals	3
EST 62	Commercial & Industrial Networking	3
WELD 2A	Introduction to Welding Technology	6
		Total 18

CRIMINOLOGY

CORRECTIONAL SCIENCE OPTION – MAJOR #7731

revised program, Spring 2025

Designed to provide specialized education for those students desiring a career in the correctional field including employment as a juvenile correctional officer, a state of California corrections officer, a jail correctional officer and a probation and parole officer. This degree is also designed to provide those students who are pursuing careers in the correctional field of criminology, the opportunity to broaden their knowledge and appreciation of the many levels of corrections and the value of correctional roles in the criminal justice system. This degree will also serve as a primer for those students who wish to pursue a higher level of education in corrections at the university level.

Associate of Science

Student Learning Outcomes:

1. The students will understand state and federal regulations and have knowledge of correctional systems.

Required Core Courses		Units
CRIM 4	Principles and Procedures of the Justice System	3
CRIM 6	Concepts of Criminal Law	3
CRIM 12	Criminal Justice Communications	3
CRIM 13	The Constitution and Your Individual Rights	3
CRIM 20	Introduction to Corrections	3

Course Options: Select Any 16 Units		Units
AFRAM 1	Introduction to African American Studies, <i>or</i>	
AFRAM 2	African American Cultural Adaptation, <i>or</i>	
AFRAM 4	Classical African Societies, <i>or</i>	
AMIND 31	American Indian Culture, <i>or</i>	
AMIND 32	American Indian History, <i>or</i>	
AMIND 34	The American Indian in Contemporary Society, <i>or</i>	
ASAMER 1	Southeast Asian Americans (Peoples of Cambodia, Laos, Vietnam), <i>or</i>	
ASAMER 15	Introduction to Asian American Studies, <i>or</i>	
CLS 11	Introduction to Chicano-Latino Studies, <i>or</i>	
CLS 13	Politics and the Chicano-Latino Community, <i>or</i>	
CLS 14	Sociology of the Mexican American Community, <i>or</i>	
CLS 24	La Chicana and Latina, <i>or</i>	
CLS 28	Ancient Mexico, <i>or</i>	
CLS 29	History Of Mexico, Colonial to Contemporary Period	3
CRIM 1	Introduction to Criminology	3
CRIM 5	Community Relations	3
CRIM 8	Criminal Investigation	4
CRIM 11	Juvenile Delinquency	3
CRIM 18	The Psychology of Criminal Behavior	3
CRIM 19	Work Experience Education	3
CRIM 28	Probation and Parole	3
CRIM 36	Gangs and Corrections	3
HMONG 1	Beginning Hmong, <i>or</i>	
HMONG 2	High-Beginning Hmong	5
HS 24	Fundamentals of Interviewing and Counseling	3
PSY 2/2H	General Psychology, <i>or</i>	
	Honors General Psychology	3
PSY 16	Psychological Disorders	3
SPAN 2	High-Beginning Spanish, <i>or</i>	
SPAN 2NS	Preparatory Spanish for Native Speakers, <i>or</i>	
SPAN 3	Intermediate Spanish, <i>or</i>	
SPAN 3NS	Intermediate Spanish for Spanish Speakers, <i>or</i>	
SPAN 4	High-Intermediate Spanish, <i>or</i>	

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

SPAN 4NS	High-Intermediate Spanish for Spanish Speakers.....	5
WSTS 10	Changing Roles of Women	3
		Total 31

Students Transferring from the Police Academy: Candidates who have completed the Basic Academy or the Reserve Level 1 program may request to waive 6 units from the following courses in the degree program: Criminology 1, 6, 7, 12. To process this, complete a course waiver form and attach a copy of the Certificate from the Police Academy or a copy of their transcript. Forms are available in the Admissions and Records office.

CORRECTIONAL SCIENCE OPTION – MAJOR #7731

revised program, Spring 2025

This certificate provides specialized education for those students desiring a career in the correctional field including employment as a juvenile correctional officer, a state of California corrections officer, a jail correctional officer and parole officer. This certificate is also designed to provide students who are pursuing careers in the correctional field, the opportunity to broaden their technical knowledge of the many levels of correctional employment opportunities.

Certificate of Achievement

Student Learning Outcomes:

1. The students will understand state and federal regulations and have knowledge of correctional systems.

Required Core Courses		Units
CRIM 4	Principles and Procedures of the Justice System	3
CRIM 6	Concepts of Criminal Law	3
CRIM 12	Criminal Justice Communications	3
CRIM 13	The Constitution and Your Individual Rights	3
CRIM 20	Introduction to Corrections	3

Course Options: Select Any 16 Units		Units
AFRAM 1	Introduction to African American Studies, <i>or</i>	
AFRAM 2	African American Cultural Adaptation, <i>or</i>	
AFRAM 4	Classical African Societies, <i>or</i>	
AMIND 31	American Indian Culture, <i>or</i>	
AMIND 32	American Indian History, <i>or</i>	
AMIND 34	The American Indian in Contemporary Society, <i>or</i>	
ASAMER 1	Southeast Asian Americans (Peoples of Cambodia, Laos, Vietnam), <i>or</i>	
ASAMER 15	Introduction to Asian American Studies, <i>or</i>	
CLS 11	Introduction to Chicano-Latino Studies, <i>or</i>	
CLS 13	Politics and the Chicano-Latino Community, <i>or</i>	
CLS 14	Sociology of the Mexican American Community, <i>or</i>	
CLS 24	La Chicana and Latina, <i>or</i>	
CLS 28	Ancient Mexico, <i>or</i>	
CLS 29	History Of Mexico, Colonial to Contemporary Period	3
CRIM 1	Introduction to Criminology.....	3
CRIM 5	Community Relations	3
CRIM 8	Criminal Investigation	4
CRIM 11	Juvenile Delinquency	3
CRIM 18	The Psychology of Criminal Behavior.....	3
CRIM 19	Work Experience Education	3
CRIM 28	Probation and Parole.....	3
CRIM 36	Gangs and Corrections	3
HMONG 1	Beginning Hmong, <i>or</i>	
HMONG 2	High-Beginning Hmong	5
HS 24	Fundamentals of Interviewing and Counseling.....	3
PSY 2/2H	General Psychology, <i>or</i>	
	Honors General Psychology.....	3
PSY 16	Psychological Disorders	3
SPAN 2	High-Beginning Spanish, <i>or</i>	
SPAN 2NS	Preparatory Spanish for Native Speakers, <i>or</i>	
SPAN 3	Intermediate Spanish, <i>or</i>	
SPAN 3NS	Intermediate Spanish for Spanish Speakers, <i>or</i>	
SPAN 4	High-Intermediate Spanish, <i>or</i>	
SPAN 4NS	High-Intermediate Spanish for Spanish Speakers.....	5
WSTS 10	Changing Roles of Women	3
		Total 31

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Students Transferring from the Police Academy: Candidates who have completed the Basic Academy or the Reserve Level 1 program may request to waive 6 units from the following courses in the degree program: Criminology 1, 6, 7, 12. To process this, complete a course waiver form and attach a copy of the Certificate from the Police Academy or a copy of their transcript. Forms are available in the Admissions and Records office.

CULTURAL STUDIES

SOCIAL JUSTICE STUDIES, GENERAL FOR TRANSFER – MAJOR #7663

revised program, Fall 2023

Social Justice Studies was created as an "Area of Emphasis" Associates Degree for Transfer (ADT). This ADT includes Programs in Cultural or Ethnic Studies and Women's Studies, and is designed to give students a broad background in the histories of various racial and ethnic groups, and the contemporary challenges faced by these groups in our society. Social Justice is the basic principle that all members of a society are entitled to equal rights and opportunities, and Social Justice Studies seeks to examine existing inequities, particularly as they relate to race, ethnicity, gender, and sexuality. The Social Justice Studies ADT is designed to transfer into the CSU system, and can be used as the foundation for a Bachelor's Degree in the following areas: American Indian Studies, African American or Africana Studies, American Studies, Asian American Studies, Chicana and Chicano or Mexican American Studies, Comparative Ethnic Studies, Gender Studies, Women's Studies, Labor Studies, and some Sociology Programs. To earn the Associate in Arts in Social Justice 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 C (or 'P') 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. Demonstrate academic preparedness for transfer to a four-year college.
2. Examine and appraise the intersections of race, class, gender, religion and other cultural indicators in issues of social justice in the United States.
3. Compare and contrast the primary goals of social justice movements of the 20th century and evaluate correlations to contemporary social justice movements.

Required Core Courses

	Units
AFRAM 1	Introduction to African American Studies, <i>or</i>
AMIND 31	American Indian Culture, <i>or</i>
ASAMER 15	Introduction to Asian American Studies, <i>or</i>
CLS 11	Introduction to Chicano-Latino Studies..... 3
ETHNST 10	Introduction to Ethnic Studies..... 3
WSTS 10	Changing Roles of Women 3

Select three (3) courses from at least two of the following areas.

Area 1: History or Government

	Units
AFRAM 4	Classical African Societies 3
AFRAM 34	History of the American Civil Rights Movement 3
CLS 29	History Of Mexico, Colonial to Contemporary Period 3
ETHNST 11	Law and Democracy..... 3

Area 2: Arts and Humanities

	Units
AFRAM 3	African-American Art 3
AFRAM 8	African-American Creative Workshop 3
AFRAM 15	African American Music..... 3
AMIND 35	American Indian Art..... 3
ASAMER 8	Chinese Culture 3
CLS 17A	Beginning Mexican Folk Dance 3.5
CLS 20	Chicano Art 3
CLS 21	Chicano Literature 3
CLS 22	Art of the Ancient Americas 3
CLS 27B	Advanced Mexican Folk Dance 3.5
WSTS 36	Women's Literature 3

Area 3: Social Science

	Units
AMIND 31	American Indian Culture..... 3
AMIND 34	The American Indian in Contemporary Society 3
ASAMER 1	Southeast Asian Americans (Peoples of Cambodia, Laos, Vietnam) 3
ASAMER 15	Introduction to Asian American Studies..... 3
CLS 12A	Mexican American History: From Mesoamerica to

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

	the Mexican American War	3
CLS 12B	Mexican American History: From the Mexican-American War to the Present	3
WSTS 47	Introduction to LGBTQ+ Studies	3
Area 4: Major Preparation		Units
AFRAM 2	African American Cultural Adaptation.....	3
ASAMER 25	Asian American Social Issues	3
ASAMER 55	Introduction to Asian Art.....	3
CLS 14	Sociology of the Mexican American Community	3
CLS/WSTS 24	La Chicana and Latina	3
		Total 18-19

DANCE

DANCE- MAJOR #5390

corrected program, Fall 2024

The Associate Degree in Dance provides a base of training in dance technique and practical experience in concert performance and production work as well as theoretical background in dance composition. Possible careers include choreographer, dance director, dance historian, dancer, dance teacher, dance therapist, fitness/aerobic instructor, movement notator, performer, reconstructor, and recreation leader.

Associate of Arts

Student Learning Outcomes:

1. Perform dance in a public setting.
2. Describe characteristic elements and form of various dance and choreographic styles.

Required Core Courses		Units
DANCE 10A	Beginning Modern Dance Technique, <i>or</i>	
DANCE 28A	Intermediate Modern Dance Technique	1.5
DANCE 12B	Beginning Ballet Part 2, <i>or</i>	
DANCE 13A	Intermediate Ballet Technique.....	1.5
DANCE 20A	Beginning Modern Dance Composition	3
DANCE 30	Dance Appreciation	3

Select two of the following courses:		Units
DANCE 21	Fall Dance Concert 1.....	2-4
DANCE 22	Spring Dance Concert 1	2-4
DANCE 31	Fall Dance Concert 2.....	2-4
DANCE 32	Spring Dance Concert 2	2-4
DANCE 41	Fall Dance Concert 3.....	2-4
DANCE 42	Spring Dance Concert 3	2-4

Select at least six units from the following (courses used to satisfy the Required Core cannot be used to satisfy this block):

		Units
DANCE 8A	Beginning Hip Hop Technique.....	1
DANCE 8B	Intermediate Hip Hop Technique.....	1
DANCE 9	Body Awareness, Mental Health and Conditioning through Dance	1
DANCE 13A	Intermediate Ballet Technique.....	1.5
DANCE 13B	Pre-Advanced Ballet Technique	1.5
DANCE 14	Beginning Jazz Dance Technique	1
DANCE 15	Intermediate Jazz Dance Technique	1
DANCE 16	Beginning Tap Dance.....	1
DANCE 17B	Beginning Intermediate Mexican Folk Dance	3.5
DANCE 18	Intermediate Tap Dance.....	1
DANCE 20B	Intermediate Modern Dance Composition	3
DANCE 27A	Intermediate Mexican Folk Dance	3.5
DANCE 28A	Intermediate Modern Dance Technique	1.5
DANCE 29	Pilates	1
TA 27	Introduction to Lighting Design	3
TA 41	Beginning Acting	3
TA 42	Beginning Acting for Theatre Majors	3
		Total 19-23

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

DENTAL HYGIENE

DENTAL HYGIENE – MAJOR #7001

revised program, Fall 2024

Bachelor of Science

ELECTRICAL SYSTEMS TECHNOLOGY

ELECTRICAL SYSTEMS TECHNOLOGY, BIOMEDICAL EQUIPMENT TECHNICIAN – FORMERLY BIOMEDICAL EQUIPMENT TECHNICIAN AND BIOMEDICAL TECH – MAJOR #6087

revised program, Fall 2024

Certificate of Achievement

+ ELECTRICAL SYSTEMS TECHNOLOGY, BUILDING MANAGEMENT – FORMERLY FACILITY CONTROLS, FACILITY CONTROL TECHNICIAN AND AUTOMATION CONTROL TECHNICIAN – MAJOR #8197

revised program, Fall 2024

Certificate of Achievement

+ ELECTRICAL SYSTEMS TECHNOLOGY, ELECTRICAL SAFETY

new program, Spring 2025

This certificate is designed to prepare students for identifying electrical-related hazards. These hazards include electrical shock; arc blast; arc flash; falls; and other potential electrical safety hazards.

Certificate of Achievement

Student Learning Outcomes:

1. Identify hazards related to the use of electrical test-equipment and general electrical safety.

Required Courses

	Units
AT 21 Occupational Safety and Health	2
AT 40 Preparing for Employment Opportunities	3
EST 53 Lab Safety Practices	2
EST 96A NFPA 70 - National Electrical Code Part 1	3
EST 96B NFPA 70 - National Electrical Code Part 2	3
EST 96C NFPA 70B - Electrical Equipment Maintenance	3
EST 96D NFPA 70E - Electrical Safety	3
	Total 19

FIRE TECHNOLOGY

COMPANY OFFICER – MAJOR #8836

revised program, Spring 2025

This program will allow for the student to obtain a AS degree in their chosen field and have transfer credits to the CSU system to pursue a higher education. This will position them for future success.

Associate of Science

Student Learning Outcomes:

1. Integrate health and safety plans into daily activities and implement department policies and procedures.
2. Inspect, identify and address hazards and violations during fire inspections. Investigate and determine cause and origin at fire scenes.
3. Conduct an incident size up and implement the Incident Command System (ICS) to various types of emergency incidents. Prepare an Incident Action Plan (IAP) for a wildland incident.

Required Courses

State Fire Training FFII Certification	Units
FIRET 9 Fire Fighting Practices.....	3
FIRET 23 Company Officer 2A: Human Resource Management for Company Officers.....	2
FIRET 24 Company Officer 2B: General Administrative Functions for Company Officers.....	1
FIRET 25 Company Officer 2C: Fire Inspections and Investigations for Company Officers.....	2
FIRET 26 Company Officer 2D: All-Risk Command Operations for Company Officers.....	2

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

FIRET 27	Company Officer 2E: Wildland Incident Operations for Company Officers.....	2
FIRET 29	Intermediate Wildland Fire Behavior	2
FIRET 30E	Incident Commander HAZMAT	0.4
FIRET 50L	Instructor I Instructional Methodology.....	2
FIRET 150N	Instructor II Instructional Development.....	2
Total		18.5

EMERGENCY MEDICAL TECHNICIAN BASIC – FORMERLY EMERGENCY MEDICAL TECHNICIAN 1 – MAJOR #8847*revised program, Spring 2025*

Designed to prepare personnel in the fire, life safety and related fields to render care to the ill and injured in the prehospital environment, in accordance with all federal, state and local Emergency Medical Services authorities.

Certificate**Student Learning Outcomes:**

1. Be eligible to take the National Registry of Emergency Medical Technician (NREMT) Basic Cognitive Examination according to the California Emergency Medical Services Authority.

Required Courses**Units**

FIRET 131	Emergency Medical Technician Basic.....	9.5
Total		9.5

EMERGENCY MEDICAL TECHNICIAN BASIC REFRESHER – FORMERLY EMERGENCY MEDICAL TECHNICIAN 1 REFRESHER – MAJOR #8848*revised program, Spring 2025*

Designed for the student needing to complete the "continuing education" (CE) requirements necessary to maintain their EMT-B certification status.

Certificate**Student Learning Outcomes:**

1. Upon successful completion of the program, the student will have fulfilled all the required Continuing Education (CE) hours for Emergency Medical Technician-B recertification.

Required Courses**Units**

FIRET 261	Emergency Medical Technician Basic Refresher	1
Total		1

FIRE TECHNOLOGY – MAJOR #883A*revised program, Spring 2025*

This program is designed to provide the student with updated skills and knowledge necessary to complete and successfully apply for fire service careers. The curriculum serves as an in-service program as well as a pre-employment program for students seeking employment or advancement in the profession of fire fighting and fire technology.

**Associate of Science and
Certificate of Achievement****Student Learning Outcomes:**

1. Given a typical type of fire department, describe the organizational structure and all of the staff functions within it.
2. Given a specific function of the fire service, describe the purpose of a paid and volunteer firefighter.

Required Courses**Units**

FIRET 1	Fire Protection Organization.....	3
FIRET 2	Fire Prevention Technology	3
FIRET 3	Fire Protection Equipment and Systems	3
FIRET 4	Building Construction for Fire Protection	3
FIRET 5	Fire Behavior and Combustion	3
FIRET 14	Principles of Fire & Emergency Services Safety & Survival	3

Course Options: Select Two Courses**Units**

FIRET 9	Fire Fighting Practices.....	3
FIRET 22A	Firefighter II Part A	2
FIRET 22B	Firefighter II Part B	3
FIRET 130A	Basic Fire Academy - Part 1.....	6
FIRET 130B	Basic Fire Academy - Part 2.....	6

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

FIRET 131	Emergency Medical Technician Basic.....	9.5
		Total 23-33.5

FIRET 130A and 130B each carries a value of up to 14.5 units; however, only 6 units can be applied to the associate in science degree and certificate of achievement.

PARAMEDIC – MAJOR #8846

new program, Fall 2024

Upon successful completion of the program, the student is eligible to take the National Registered Emergency Medical Technician (NREMT) and California State licensure examination necessary to become a licensed paramedic. This program will allow students to continue and obtain an Associate of Science Degree in the prehospital medical field. The degree may help them prepare for higher-level positions in fields related to graduating. Licensed paramedics in the profession have an opportunity to advance their careers.

Associate of Science

Student Learning Outcomes:

1. Be eligible to take the National Registered Emergency Medical Technician (NREMT)/ California State Licensure examination necessary to become a licensed paramedic.

Required Courses		Units
FIRET 133	Emergency Medical Technician-Paramedic-Didactic	21.5
FIRET 136	Emergency Medical Technician-Paramedic Clinical and Field Work	13
		Total 34.5

PARAMEDIC – FORMERLY PREHOSPITAL PARAMEDIC CARE – MAJOR #8846

revised program, Spring 2025

Designed to prepare personnel in the fire, life safety and related fields to render advanced emergency medical care to the ill and injured in the pre-hospital environment, in accordance with all federal, state and local emergency medical services authorities.

Certificate of Achievement

Student Learning Outcomes:

1. Be eligible to take the National Registry of Emergency Medical Technician (NREMT)/ California State licensure examination necessary to become a licensed paramedic.

Required Courses		Units
FIRET 133	Emergency Medical Technician-Paramedic-Didactic	21.5
FIRET 136	Emergency Medical Technician-Paramedic Clinical and Field Work	13
		Total 34.5

FOOD AND NUTRITION

+ NUTRITION AND DIETETICS FOR TRANSFER – MAJOR #5683

revised program, Fall 2024

The Associate in Science in Nutrition and Dietetics for Transfer is designed for students who plan to transfer to a 4-year campus to complete a bachelor's degree in nutrition and dietetics. To earn the Associates in Science in Nutrition and Dietetics for Transfer degree, students must complete 60 units that are eligible for transfer to the California State University, including both of the following: the Intersegmental General Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements and a minimum of 18 semester units in a major or an area of emphasis, as determined by the community college district. Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C (or 'P') or better in all courses required for the major or area of emphasis. For more information on CSU admission and transfer requirements consult with a counselor. Upon completion of the Associates in Science in Nutrition and Dietetics for Transfer the students will be able to demonstrate knowledge of the relationship of nutrients and lifestyle factors and the associated risk of chronic disease. Students will demonstrate knowledge of physiological processes such as digestion, absorption, transport and metabolism of nutrients. Students will recognize and separate scientifically supported information from misinformation. Students will identify ways in which social factors influence food related choices, practices, and beliefs.

Associate in Science

Student Learning Outcomes:

1. Demonstrate knowledge of the relationship of nutrients and lifestyle factors and the associated risk of chronic disease.

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

2. Demonstrate knowledge of physiological processes such as digestion, absorption, transport and metabolism of nutrients.
3. Recognize and separate scientifically supported information from misinformation.
4. Identify ways in which social factors influence food related choices, practices and beliefs.

Required Core Courses		Units
BIOL 31	Microbiology	5
CHEM 1A	General Chemistry I	5
CHEM 1B	General Chemistry II	5
FN 40	Nutrition	3
PSY 2	General Psychology	3

List A: Select at least one course from the list below:		Units
BIOL 20	Human Anatomy	4
BIOL 21A	Human Anatomy & Physiology I, <i>and</i>	
BIOL 21B	Human Anatomy & Physiology II	9
BIOL 22	Human Physiology	5
CHEM 28A	Organic Chemistry I, <i>and</i>	
CHEM 29A	Organic Chemistry Laboratory I	5
DS 23	Business Statistics, <i>or</i>	
MATH 11	Elementary Statistics, <i>or</i>	
MATH/PSY 42	Statistics for the Behavioral Sciences	3-4

List B: Select one course:		Units
FN 1	Principles of Food Preparation	3
Total		27-33

GEOLOGY

ENVIRONMENTAL SCIENCE FOR TRANSFER – MAJOR #8152

new program, Fall 2024

Environmental Science is a useful major for students and offers an interdisciplinary approach to the natural sciences with an emphasis on biology, chemistry, and geology. The Associate in Science in Environmental Science for Transfer program 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 Science in Environmental Science for Transfer program, students must complete a maximum of 60 required semester units of CSU-transferable coursework, including either the CSU-GE Breadth or IGETC requirements and 42 units within the major. 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 must have a minimum grade point average of 2.0. Students must earn a C (or 'P') or better in all courses required for the major.

Associate in Science

Student Learning Outcomes:

1. Apply scientific principles to analyze, quantify, and mitigate the effects of human activities on the environment.
2. Demonstrate an understanding of core concepts, models, and techniques from biological and physical sciences in their application of environmental issue problem-solving.
3. Identify and describe how both natural and human-induced depletion of natural resources has an impact on the Earth.

Complete one of the two BIOL/CHEM sequence options below		Units
BIOL 11A	Biology for Science Majors I, <i>and</i>	
BIOL 11B	Biology for Science Majors II, <i>and</i>	
CHEM 1A	General Chemistry I	
OR		
BIOL 11A	Biology for Science Majors I, <i>and</i>	
CHEM 1A	General Chemistry I, <i>and</i>	
CHEM 1B	General Chemistry II	15

Complete Each of the Following Courses		Units
ECON 40	Introduction to Microeconomics	3
GEOL 1	Physical Geology	4
GEOL 12	Environmental Science	3
MATH 5A	Mathematical Analysis I	5
MATH 11	Elementary Statistics	4

Choose a Physics Sequence		Units
PHYS 2A	General Physics 1, <i>and</i>	

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

PHYS 2B	General Physics 2	
	OR	
PHYS 4A	Physics for Scientists and Engineers, <i>and</i>	
PHYS 4B	Physics for Scientists and Engineers	8
		Total 42

GEOLOGY FOR TRANSFER – MAJOR #6070*revised program, Fall 2024*

Geology is a useful major for students with a variety of interests and career goals in the earth sciences including geology, hydrogeology, astrogeology, paleontology, mineralogy, engineering geology, geophysics, geochemistry, petroleum geology, oceanography and environmental science. The Associate in Science in Geology for Transfer program 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 Science in Geology for Transfer program, students must complete a maximum of 60 required semester units of CSU-transferable coursework, including either the CSU-GE Breadth or IGETC requirements and 27 units within the major. 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 must have a minimum grade point average of 2.0. Students must earn a C (or 'P') or better in all courses required for the major.

Associate in Science**Student Learning Outcomes:**

1. Identify distinguishing characteristics, properties, and origin of common rocks and minerals.
2. Explain the processes of plate tectonic theory and identify associated geologic features and events.
3. Determine the age relationships of rocks and fossils using various dating techniques.

Required Core Courses		Units
CHEM 1A	General Chemistry I	5
CHEM 1B	General Chemistry II	5
GEOL 1	Physical Geology	4
GEOL 2	Historical Geology	4
MATH 5A	Mathematical Analysis I.....	5
MATH 5B	Mathematical Analysis II.....	4
		Total 27

GRAPHIC COMMUNICATIONS**ANIMATION – FORMERLY MOTION GRAPHICS – MAJOR #8514***revised program, Fall 2024***Certificate of Achievement and
Certificate of Completion****+ DIGITAL VIDEO – FORMERLY DIGITAL VIDEO OPTION – MAJOR #8509***revised program, Fall 2024*

This certificate prepares the student for entry-level work in digital video production. Coursework includes an overview of digital media, planning, storyboarding, camera work, editing, and motion graphic effects. In addition, this certificate is a stepping stone to the video production certificate of achievement or Associate Degree, that cover additional topics.

Certificate of Achievement**Student Learning Outcomes:**

1. Successfully operate a digital video camera to capture footage in a variety of lighting conditions. Assessment: critique of project work, portfolio review.
2. Capture audio using a digital recorder and compile it with existing audio tracks while maintaining synchronization.

Required Courses		Units
GRC 23	Video Editing - Adobe Premiere Pro.....	3
GRC 27	Digital Video Production.....	3
GRC 32	Cinematography.....	3
GRC 41	Visual Communications.....	3
GRC 51	Storyboarding.....	1
GRC 53	Adobe After Effects	3
		Total 16

SOCIAL MEDIA CONTENT DESIGN – MAJOR #8513*revised program, Spring 2025*

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

This certificate provides an inter-disciplinary approach to social media content creation featuring components of Graphic Communication, Photography, Business Administration, and Marketing.

VIDEO PRODUCTION – MAJOR #8511

revised program, Spring 2025

This comprehensive program features production planning, camera and audio work, post-production editing techniques and technology to produce short digital video projects using standard industry software. Students will experience working in the studio, using the green room, sound room, several types of cameras, and field audio recorders. Project work includes individual, partnership and small group assignments. The skills acquired prepare students for entry-level employment in the video industry as a videographer, editor, entrepreneur, or YouTube content producer.

Associate of Science

Student Learning Outcomes:

1. Demonstrate competency in production by successfully designing and completing video projects to specification using industry-standard software and editing techniques.

Required Courses		Units
ENGL 15C	Creative Writing: Playwriting, <i>or</i>	
FILM 7	Introduction to Screenwriting, <i>or</i>	
JOURN 3	Newswriting	3
GRC 22	Digital Media	3
GRC 23	Video Editing - Adobe Premiere Pro.....	3
GRC 27	Digital Video Production	3
GRC 31	Intermediate Photoshop	3
GRC 32	Cinematography	3
GRC 38	Video Post Production.....	3
GRC 41	Visual Communications.....	3
GRC 47	Introduction to Media Appreciation.....	3
GRC 51	Storyboarding.....	1
GRC 53	Adobe After Effects	3
GRC 55	Social Media Design.....	3
MUS 8	Audio Engineering	3
PHOTO 26	Lighting Principles	3
PHOTO 67	Drone Multimedia I	0.5
		Total 39.5

HUMAN SERVICES

ALCOHOLISM AND DRUG ABUSE COUNSELING OPTION – MAJOR #7951

revised program, Spring 2025

This degree is designed for students interested in working in the field of Substance Use Disorders. Completion of the total program will broaden a candidate's understanding and assist in preparation needed to enter the field. These core classes of the degree are accredited by the California Association for Alcohol/Drug Educators (CAADE) and recognized by the other counselor certification organizations in California. The degree offers course work leading to a Certificate of Achievement, and an AS degree in Alcoholism and Drug Abuse Counseling.

Associate of Science

Student Learning Outcomes:

1. Demonstrate a fundamental working knowledge of the Substance Use Disorder Treatment system.
2. Be prepared for entry-level employment in a Substance Use Disorder program.
3. Demonstrate an understanding of the 12 core competencies and their application to the treatment of substance use disorders.

Required Core Courses		Units
HS/SOC 10	Introduction to Aging Studies	3
HS 18	Alcohol and Drug Abuse Counseling: Professional and Personal Growth	3
HS 19B	Work Experience Education	6
HS 20	Introduction to Social Welfare	3
HS 24	Fundamentals of Interviewing and Counseling.....	3
HS 40	Alcohol and Drug Abuse Counseling: Law and Ethics, Prevention, Education, Outreach and Referral.....	3
HS 42	Introduction to Alcohol and Drug Counseling	3

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

HS 43	Alcohol and Drug Abuse Counseling: Case Management.....	3
HS 44	Drug Use: Physical and Psychological Effects	3

Course Options: Select 3 Courses**Units**

AFRAM 1	Introduction to African American Studies, <i>or</i>	
AMIND 34	The American Indian in Contemporary Society, <i>or</i>	
CLS/SOC 14	Sociology of the Mexican American Community	3
CHDEV 5	Parent Education.....	3
CHDEV/PSY 12	Child Abuse	3
HS/WSTS 25	Assertiveness Training	2
PSY 2/2H	General Psychology, <i>or</i>	
	Honors General Psychology.....	3
PSY 5	Social Psychology	3
PSY 16	Psychological Disorders	3
PSY 25	Human Sexuality	3
PSY 33	Personal and Social Adjustment	3
SOC 1A/1AH	Introduction to Sociology, <i>or</i>	
	Honors Introduction to Sociology	3
SOC 1B	Critical Thinking about Social Problems	3
SOC 2	American Minority Groups.....	3
SOC/WSTS 5	Sociology of Rape	3
SOC/WSTS 7	Domestic Violence: Abuse Within the Family	3
SOC 32	Introduction to Marriage and Family	3
WSTS 10	Changing Roles of Women	3
		Total 38-39

ALCOHOLISM AND DRUG ABUSE COUNSELING OPTION – MAJOR #7951

revised program, Spring 2025

This certificate is designed for students interested in working in the field of substance use disorders. Completion of the total certificate of achievement will broaden a candidate's understanding and assist in preparation needed to enter the field. This certificate is accredited by the California Association for Alcohol/Drug Educators (CAADE) and recognized by the other certifying organizations in California. The Alcoholism and Drug Abuse Counseling Certificate program offers course work leading to a certificate of achievement.

Certificate of Achievement**Student Learning Outcomes:**

1. Upon completion, the student will be eligible to take the State of California approved test to become an Alcohol and Other Drug Counselor.
2. Students will take and successfully complete the State of California approved written exam from one of the 3 certifying organizations.

Required Core Courses**Units**

HS/SOC 10	Introduction to Aging Studies	3
HS 18	Alcohol and Drug Abuse Counseling: Professional and Personal Growth	3
HS 19B	Work Experience Education	6
HS 20	Introduction to Social Welfare	3
HS 24	Fundamentals of Interviewing and Counseling.....	3
HS 40	Alcohol and Drug Abuse Counseling: Law and Ethics, Prevention, Education, Outreach and Referral.....	3
HS 42	Introduction to Alcohol and Drug Counseling	3
HS 43	Alcohol and Drug Abuse Counseling: Case Management.....	3
HS 44	Drug Use: Physical and Psychological Effects	3

Course Options: Select 3 Courses**Units**

AFRAM 1	Introduction to African American Studies, <i>or</i>	
AMIND 34	The American Indian in Contemporary Society, <i>or</i>	
CLS/SOC 14	Sociology of the Mexican American Community	3
CHDEV 5	Parent Education.....	3
CHDEV/PSY 12	Child Abuse	3
HS/WSTS 25	Assertiveness Training	2
PSY 2/2H	General Psychology, <i>or</i>	
	Honors General Psychology.....	3
PSY 5	Social Psychology	3
PSY 16	Psychological Disorders	3
PSY 25	Human Sexuality	3

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

PSY 33	Personal and Social Adjustment	3
SOC 1A/1AH	Introduction to Sociology, <i>or</i> Honors Introduction to Sociology	3
SOC 1B	Critical Thinking about Social Problems	3
SOC 2	American Minority Groups	3
SOC/WSTS 5	Sociology of Rape	3
SOC/WSTS 7	Domestic Violence: Abuse Within the Family	3
SOC 32	Introduction to Marriage and Family	3
WSTS 10	Changing Roles of Women	3
	Total 38-39	

SOCIAL WORK AND HUMAN SERVICES FOR TRANSFER – MAJOR #7635

revised program, Spring 2025

An Associate in Arts in Social Work and Human Services for Transfer degree, is designed for students who plan to complete a Bachelor's degree in a similar major at a CSU campus. The degree will acquaint students with the fundamentals of the human services system and the profession of Social Work, including introduction to the theories, principles, and values on which human services are offered and social work is practiced in the United States. To earn the Associate of Arts in Social Work and Human Services 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 'P') or higher in each course taken to fulfill the major. Local graduation requirements are not necessary to complete the transfer degree. Students should consult with a knowledgeable academic counselor for more information on transfer requirements and university admission.

Associate in Arts

Student Learning Outcomes:

1. Demonstrate a fundamental working knowledge of the social services system and social work as a profession.
2. Be prepared for entry level employment in a social services setting.
3. Apply the multiple perspectives of a broad liberal arts foundation to understanding and responding to human needs and social problems.

Required Core Courses		Units
BIOL 5	Human Biology, <i>or</i>	
BIOL 20	Human Anatomy, <i>or</i>	
BIOL 22	Human Physiology, <i>or</i>	
BIOL 21A	Human Anatomy & Physiology I, <i>and</i>	
BIOL 21B	Human Anatomy & Physiology II	4-9
ECON 40/40H	Introduction to Microeconomics, <i>or</i> Honors Introduction to Microeconomics, <i>or</i>	
ECON 50/50H	Introduction to Macroeconomics, <i>or</i> Honors Introduction to Macroeconomics	3
HS 9	Social Work and Human Services Seminar	1
HS 19F	Social Work and Human Services Fieldwork	2
HS 20	Introduction to Social Welfare	3
MATH 11	Elementary Statistics, <i>or</i>	
MATH 42	Statistics for the Behavioral Sciences	4
PSY 2/2H	General Psychology, <i>or</i> Honors General Psychology	3
SOC 1A/1AH	Introduction to Sociology, <i>or</i> Honors Introduction to Sociology	3

List A: Select two (2) courses:		Units
ANTHRO 2/2H	Cultural Anthropology, <i>or</i> Honors Cultural Anthropology	3
CHDEV 30	Child and Family in a Diverse Community	3
CHDEV/PSY 38	Lifespan Development	3
CHDEV/PSY 39	Child Growth and Development	3
CRIM 1	Introduction to Criminology	3
ENGL 3/3H	Critical Reading & Writing, <i>or</i> Honors Critical Reading & Writing	3
PSY 16	Psychological Disorders	3
SOC 1B	Critical Thinking about Social Problems	3
SOC 2	American Minority Groups	3
	Total 29-34	

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

LIBERAL ARTS

LIBERAL ARTS EMPHASIS IN SOCIAL SCIENCES – MAJOR #5176

revised program, Spring 2025

A program designed to acquaint students with the diversity of subjects in the Social Sciences. The Social Sciences offer a broad study in human behavior. This area of emphasis will be an ideal choice for students planning to transfer to the California State University or University of California educational institutions. Students can satisfy their general education requirements, plus focus on transferable coursework that relates to majors in liberal arts or liberal studies at CSU or UC campuses. Each student should consult with a counselor for specific information regarding intended majors at the specific college/university of choice.

Associate in Arts

Student Learning Outcomes:

1. Be prepared to analyze the influence of culture, economics, family, and society on individual development.
2. Identify the consequences of bias on social interactions.
3. Have developed skills in critical thinking.

18 units from any of the following courses (but no more than 6 units in one discipline)

	Units
AFRAM 1 Introduction to African American Studies	3
AFRAM 3 African-American Art	3
AMIND 31 American Indian Culture	3
AMIND 32 American Indian History	3
ANTHRO 2/2H Cultural Anthropology, <i>or</i> Honors Cultural Anthropology	3
ANTHRO 3 Archaeology and World Prehistory	3
ANTHRO 13 Anthropology of Religion, Magic, Witchcraft, and Healing	3
ASAMER 1 Southeast Asian Americans (Peoples of Cambodia, Laos, Vietnam)	3
ASAMER 15 Introduction to Asian American Studies	3
CHDEV 38 Lifespan Development	3
CHDEV/PSY 39 Child Growth and Development	3
CLS 11 Introduction to Chicano-Latino Studies	3
CLS/SOC 14 Sociology of the Mexican American Community	3
CLS 20 Chicano Art	3
ECON 25 Introduction to Economics	3
ECON 40/40H Introduction to Microeconomics, <i>or</i> Honors Introduction to Microeconomics	3
ECON 50/50H Introduction to Macroeconomics, <i>or</i> Honors Introduction to Macroeconomics	3
ETHNST 10 Introduction to Ethnic Studies	3
GLST 1 Introduction to Global Studies	3
GLST 2 Global Issues	3
HIST 1 Western Civilization to 1648	3
HIST 2 Western Civilization Since 1648	3
HIST 11 History of the United States to 1877	3
HIST 12/12H History of the United States since 1877, <i>or</i> Honors History of the United States since 1877	3
HIST 15 History of the British Isles	3
HIST 17 History of the Muslim World to 1405	3
HIST 18 History of Ancient Greece	3
HIST 21 United States Civil War	3
HIST 22 History of American Women	3
HIST 29 History of Mexico, Colonial to Contemporary Period	3
HIST 30 California History	3
HIST 34 History of the American Civil Rights Movement	3
HS/SOC 10 Introduction to Aging Studies	3
HS 20 Introduction to Social Welfare	3
POLSCI 1 Modern Politics	3
POLSCI 2 American Government	3
POLSCI 5 Comparative Government	3
POLSCI 24 International Relations	3
PSY 2/2H General Psychology, <i>or</i> Honors General Psychology	3
PSY 5 Social Psychology	3

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

PSY 25	Human Sexuality	3
PSY 33	Personal and Social Adjustment	3
SOC 1A/IAH	Introduction to Sociology, <i>or</i> Honors Introduction to Sociology	3
SOC 1B	Critical Thinking about Social Problems	3
SOC 2	American Minority Groups	3
SOC 31	The Child in Society: A Social Problems Approach	3
SOC 32	Introduction to Marriage and Family	3
WSTS 10	Changing Roles of Women	3
WSTS 47	Introduction to LGBTQ+ Studies	3
Total 18		

MUSIC

MUSIC FOR TRANSFER – MAJOR #5805

revised program, Fall 2024

The Associate in Arts in Music for Transfer degree is intended for students who plan to complete a Bachelor's degree in music studies at a CSU campus. Students completing the transfer degree are guaranteed admission to the CSU system, but not to a particular campus or major. To earn the Associate in Arts in Music for Transfer degree, students must complete 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 'P') or higher in each course taken to fulfill the major. Local graduation requirements are not required for the transfer degree. The Associate in Arts in Music for Transfer degree may not be the best option for students intending to transfer to a particular CSU campus or a university that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Associate in Arts

Student Learning Outcomes:

1. Audiate, analyze, read, and write music.
2. Perform music of at least three different time periods.
3. Perform in solo and ensemble settings.

Theory and Ear Training

Music Theory – MUS 1A or 1AE recommended as the first course in the sequence:

course in the sequence:		Units
MUS 1A	Music Theory I, <i>or</i>	
MUS 1AE	Music Theory I-Extra,	3
MUS 1B	Music Theory II.....	3
MUS 2A	Music Theory III.....	3
MUS 7A	Ear Training I.....	1
MUS 7B	Ear Training: Level II	1
MUS 7C	Ear Training: Level III	1

Applied Music:

Masterclass and Lessons – 4 units

Masterclass and Lessons – 4 units		Units
MUS 81	Applied Music Masterclass and Lessons.....	1

Ensembles: Select Four Units and Semesters

Ensembles: Select Four Units and Semesters		Units
MUS 30	College Choir	1
MUS 35	City Singers.....	1
MUS 37	Piano and Guitar Ensemble	1
MUS 39A	Opera Workshop	1
MUS 39B	Opera Production	1
MUS 40	Concert Band	1
MUS 41	Jazz Ensemble.....	1
MUS 46	Symphony Orchestra.....	1
MUS 47A	Jazz Combo A.....	1
MUS 47B	Jazz Combo B.....	1
MUS 54	Latin Jazz Ensemble	1
MUS 55	Latin Jazz Workshop	1
MUS 60	Symphonic Choir	1
MUS 68	Symphonic Band	1
MUS 72	Jazz Composer's Orchestra	1
MUS 76	College Philharmonic Orchestra.....	1

List A – Select 3-4 Units

Units

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

MUS 2B	Music Theory IV, <i>and</i>	
MUS 7D	Ear Training: Level IV	4
MUS 12	Music Appreciation	3
		Total 23-24

MUSIC PERFORMANCE – MAJOR #5802*new program, Fall 2024*

This program trains students to become competent musical performers. It is primarily for people with music as a secondary field or personal interest. It is also for students who wish to pursue entry-level employment or further study in music.

Certificate of Achievement**Student Learning Outcomes:**

1. Perform solo pieces of intermediate/advanced level.
2. Perform in large and small ensembles in performance situations.
3. Compose music, hear music analytically and analyze a musical score.

Required Core

Music Appreciation:		Units
MUS 12	Music Appreciation, <i>or</i>	
MUS 13	History of Music	3

Music Theory:

		Units
MUS 1A	Music Theory I, <i>or</i>	
MUS 1AE	Music Theory I-Extra, <i>or</i>	
MUS 3	Music Fundamentals	3

Applied Music:

Select Four Units and Semesters		Units
MUS 80A	Applied Music Masterclass A	1
MUS 80B	Applied Music Masterclass B	1
MUS 80C	Applied Music Masterclass C	1
MUS 80D	Applied Music Masterclass D	1
MUS 81	Applied Music Masterclass and Lessons	1

Ensembles: Select Four Units

		Units
MUS 30	College Choir	1-2
MUS 35	City Singers	1-2
MUS 37	Piano and Guitar Ensemble	1
MUS 39A	Opera Workshop	1
MUS 39B	Opera Production	1
MUS 40	Concert Band	1-2
MUS 41	Jazz Ensemble	1-2
MUS 46	Symphony Orchestra	1-2
MUS 47A	Jazz Combo A	1
MUS 47B	Jazz Combo B	1
MUS 54	Latin Jazz Ensemble	1
MUS 55	Latin Jazz Workshop	1
MUS 60	Symphonic Choir	1-2
MUS 68	Symphonic Band	1-2
MUS 72	Jazz Composer's Orchestra	1-2
MUS 76	College Philharmonic Orchestra	1-2

Electives – Select at Least Two Units

		Units
MUS 1B	Music Theory II	3
MUS 5	Computer Music Production	3
MUS 5B	Music for Film, Television, and Video Games	3
MUS 7A	Ear Training I	1
MUS 7B	Ear Training: Level II	1
MUS 8	Audio Engineering	3
MUS 9	Composition	2
MUS 10A	Beginning Jazz Improvisation	2
MUS 20	Beginning Piano: Level I	2
MUS 21	Beginning Piano: Level II	2
MUS 24	Beginning Voice: Level I	2
MUS 25	Beginning Voice: Level II	2
MUS 27	Beginning Guitar: Level I	2

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

MUS 28	Beginning Guitar: Level II.....	2
MUS 93	Songwriting	3
		Total 16-17

PHOTOGRAPHY

DOCUMENTARY MEDIA – FORMERLY PHOTOGRAPHY, PHOTOJOURNALISM – MAJOR #5228

revised program, Spring 2025

In this certificate, students will learn the tools and techniques of creating digital media to document the stories of our multicultural society. The skills of storytelling through documentary media can be applied to a variety of industries including, but not limited to, Wedding Capture, Commercial Capture, Anthropology, Journalism, Geography, Geology, and Social Justice, Journalism. Digital capture, composition, and editing of storytelling images and video will be explored and utilized.

Certificate of Achievement

Student Learning Outcomes:

1. Produce story telling photographs and video for contemporary internet media.

Course Requirements		Units
BA 52	Introduction to Entrepreneurship	3
PHOTO 6	Digital Imaging Fundamentals.....	3
PHOTO 49	Documentary Media	3
PHOTO 52	Adobe Lightroom	3
		Total 12

+ DRONE OPERATIONS – MAJOR #5229

new program, Fall 2024

This certificate is intended for working professionals who want to update their skills and/or students who will be entering a field that uses drones. This program provides the skills and knowledge necessary to effectively use Small Unmanned Aerial Systems (sUAS or drones) in a variety of business and public sector domains working as drone image specialists. Drone technology is used in diverse fields including commercial photography, law enforcement, agriculture, utilities inspection, public safety, search and rescue, mapping and surveying, military operations, insurance, mining, real estate, and cinematography.

Certificate of Achievement

Student Learning Outcomes:

1. Produce professional quality photographs and videos using Small Unmanned Aerial Systems (sUAS or drones).

Course Requirements		Units
GRC 23	Video Editing - Adobe Premiere Pro.....	3
PHOTO 6	Digital Imaging Fundamentals.....	3
PHOTO 67	Drone Multimedia I	0.5
PHOTO 77	Drone Multimedia II	3
		Total 9.5

PHOTOGRAPHY, COMMERCIAL PHOTOGRAPHY – MAJOR #5222

revised program, Spring 2025

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.

Course Requirements		Units
PHOTO 6	Digital Imaging Fundamentals.....	3
PHOTO 12	Beginning Photoshop	3
PHOTO 21	Event Photography.....	3
PHOTO 23	Advanced Photoshop	3
PHOTO 26	Lighting Principles	3
PHOTO 32	Commercial Portraiture	3
PHOTO 38	Professional Photography Practices	4
PHOTO 57	Applied Color and Alternative Photographic Media	3
PHOTO 67	Drone Multimedia I	0.5

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

PHOTO 77	Drone Multimedia II	3
		Total 28.5

PHOTOGRAPHY, PROFESSIONAL PHOTOGRAPHY – FORMERLY PHOTOGRAPHY – MAJOR #5221*revised program, Spring 2025*

Students in this curriculum are trained in the major areas of professional photography. Positions for which graduates may qualify, depending upon their interest, abilities, and achievement, include portrait, commercial, editorial, digital, and retail fields. Some equipment and supplies provided.

Certificate of Achievement**Student Learning Outcomes:**

1. Produce professional quality photographs in various contemporary formats.

Course Requirements		Units
PHOTO 6	Digital Imaging Fundamentals.....	3
PHOTO 12	Beginning Photoshop	3
PHOTO 15	Photography and Visual Literacy.....	3
PHOTO 18	Advanced Black and White Photography	3
PHOTO 23	Advanced Photoshop	3
PHOTO 26	Lighting Principles	3
PHOTO 32	Commercial Portraiture	3
PHOTO 45	Advanced Projects	3
PHOTO 49	Documentary Media	3
PHOTO 57	Applied Color and Alternative Photographic Media	3
		Total 30

PROFESSIONAL PHOTOGRAPHY – FORMERLY PHOTOGRAPHY – MAJOR #5221*revised program, Spring 2025*

Students in this curriculum are trained in the major areas of professional photography. Positions for which graduates may qualify, depending upon their interest, abilities, and achievement, include portrait, commercial, editorial, digital, and retail fields. Some equipment and supplies provided.

Associate of Science**Student Learning Outcomes:**

1. Produce professional quality photographs in various contemporary formats.

Course Requirements		Units
PHOTO 6	Digital Imaging Fundamentals.....	3
PHOTO 12	Beginning Photoshop	3
PHOTO 15	Photography and Visual Literacy.....	3
PHOTO 18	Advanced Black and White Photography	3
PHOTO 23	Advanced Photoshop	3
PHOTO 26	Lighting Principles	3
PHOTO 32	Commercial Portraiture	3
PHOTO 45	Advanced Projects	3
PHOTO 49	Documentary Media	3
PHOTO 57	Applied Color and Alternative Photographic Media	3
		Total 30

+ SOCIAL MEDIA IMAGING – MAJOR #5226*revised program, Fall 2024*

Course work for the non-photographer in image creation and publishing in the Internet environment. Concepts of image making, copyright, branding, and visual engagement specifically for online usage.

Certificate of Achievement**Student Learning Outcomes:**

1. Produce correctly formatted still images and video media in a creative manner for social media publishing.

Course Requirements		Units
GRC 55	Social Media Design.....	3
PHOTO 5	Introduction to Photography	3
PHOTO 14	Photography for Social Media	3
PHOTO 52	Adobe Lightroom	3

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Total 12

PHYSICAL EDUCATION

KINESIOLOGY: PHYSICAL EDUCATION – FORMERLY KINESIOLOGY DEGREE – MAJOR #4557

revised program, Fall 2024

The Associate of Science (AS) degree in Physical Education at Fresno City College is a comprehensive two-year program designed for individuals passionate about promoting physical well-being and education. This program combines theoretical knowledge with practical skills to prepare students for a variety of roles within the field of physical education, including teaching, coaching, and community outreach.

The Associate of Science degree in Physical Education equips students with the knowledge and skills necessary to promote physical well-being, education, and inclusive physical activities. Whether students choose to enter the workforce directly or pursue higher education, they graduate with a strong foundation in physical education principles and a passion for promoting a healthy and active lifestyle.

Associate of Science

Student Learning Outcomes:

1. After completion of this program, students will understand the importance of physical activity and its impact on health, society, and quality of life.
2. This field of study prepares students for a career of lifelong learning and development in the field of Kinesiology.

Required Core Classes – Select 6 units.

	Units
HLTH 1 Contemporary Health Issues.....	3
PE 26 Sports Psychology.....	3
PE 62 Introduction To Kinesiology	3

Choose a minimum of 9 units from the following courses:

	Units
HLTH 3 Personal Training	3
HLTH 5 Structures and Function	3
FN 40 Nutrition, or	
FN 41 Sports Nutrition	3
PE 20 Emergency Care and Injury Prevention, or	
HLTH 2 First Aid and Safety	3

Fitness Activities: Choose 3 from the following:

	Units
PE 4 Badminton	1
PE 4B Intermediate Badminton	1
PE 5 Basketball.....	1
PE 6 Fitness and Health	1
PE 7 Golf.....	1
PE 8 Basic Self Defense	1
PE 12 Swimming.....	1
PE 12B Intermediate Swimming.....	1
PE 13 Tennis	1
PE 13B Intermediate Tennis.....	1
PE 14 Volleyball.....	1
PE 14B Intermediate Volleyball	1
PE 15A Beginner Weight Training.....	1
PE 15B Intermediate Weight Training	1
PE 15C Advanced Weight Training	1
PE 17 Yoga.....	1
PE 17B Intermediate Yoga	1
PE 27 High Intensity Interval Training	1
PE 29B Intercollegiate Badminton.....	3
PE 29C Off-Season Intercollegiate Badminton.....	1
PE 30B Intercollegiate Baseball	3
PE 30C Off-Season Intercollegiate Baseball	1
PE 31B Intercollegiate Basketball	3
PE 31C Off-Season Intercollegiate Basketball	1
PE 32B Intercollegiate Cross Country	3
PE 33B Intercollegiate Football	3
PE 33C Off-Season Intercollegiate Football	1
PE 34B Intercollegiate Golf	3
PE 34C Off-Season Intercollegiate Golf	1
PE 35B Intercollegiate Cheer and Stunt.....	2

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

PE 36B	Intercollegiate Soccer.....	3
PE 36C	Off-Season Intercollegiate Soccer.....	1
PE 37B	Intercollegiate Softball.....	3
PE 37C	Off-Season Intercollegiate Softball.....	1
PE 38B	Intercollegiate Tennis.....	3
PE 38C	Off-Season Intercollegiate Tennis.....	1
PE 39B	Intercollegiate Track and Field.....	3
PE 39C	Off-Season Intercollegiate Track and Field.....	1
PE 40B	Intercollegiate Women's Volleyball.....	3
PE 40C	Off-Season Intercollegiate Women's Volleyball.....	1
PE 41B	Intercollegiate Men's Wrestling.....	3
PE 41C	Off-Season Intercollegiate Men's Wrestling.....	1
PE 42B	Intercollegiate Women's Water Polo.....	3
PE 42C	Off-Season Intercollegiate Women's Water Polo.....	1
PE 43B	Intercollegiate Women's Swimming and Diving.....	3
PE 43C	Off-Season Intercollegiate Women's Swimming and Diving.....	1
PE 44B	Intercollegiate Women's Beach Volleyball.....	3
PE 44C	Off-Season Intercollegiate Women's Beach Volleyball.....	1
PE 45	Performance Training and Conditioning Techniques for Intercollegiate Athletics.....	1
PE 46B	Intercollegiate Women's Wrestling.....	3
PE 46C	Off-Season Intercollegiate Women's Wrestling.....	1
PE 71	Soccer.....	1
PE 72	Spinning for Fitness.....	1
Total 18-24		

KINESIOLOGY: SPORTS MANAGEMENT – MAJOR #4556

new program, Fall 2024

The Associate of Arts (AA) degree in Sports Management at Fresno City College is a comprehensive two-year program designed for individuals with a passion for sports and a keen interest in the business and administrative aspects of the sports industry. This program combines a solid foundation in business principles with specialized courses in sports management, providing students with the knowledge and skills necessary for a successful career in the dynamic field of sports administration.

Graduates are well-prepared for entry-level positions in sports management, event coordination, sports marketing, and related fields. Potential career paths include roles with sports teams, athletic departments, event management companies, and sports marketing agencies. This degree is ideal for individuals aspiring to enter the workforce directly or continue their education at a four-year institution.

Associate of Arts

Student Learning Outcomes:

1. Implement an event plan for a specific event.
2. Implement content towards a sports management career.

Kinesiology Required Core Courses		Units
HLTH 1	Contemporary Health Issues.....	3
PE 26	Sports Psychology.....	3
PE 62	Introduction To Kinesiology.....	3

Required Sport Management Courses		Units
PE 10	Sport Management.....	3
PE 19A	Work Experience Education.....	1-14
PE 24	Sports Officiating.....	3
PE 28	Foundations of Coaching.....	3

Fitness Activities: Choose 3 from the following:		Units
PE 4	Badminton.....	1
PE 4B	Intermediate Badminton.....	1
PE 5	Basketball.....	1
PE 6	Fitness and Health.....	1
PE 7	Golf.....	1
PE 8	Basic Self Defense.....	1
PE 12	Swimming.....	1
PE 12B	Intermediate Swimming.....	1
PE 13	Tennis.....	1
PE 13B	Intermediate Tennis.....	1
PE 14	Volleyball.....	1

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

PE 14B	Intermediate Volleyball	1
PE 15A	Beginner Weight Training	1
PE 15B	Intermediate Weight Training	1
PE 15C	Advanced Weight Training	1
PE 17	Yoga	1
PE 17B	Intermediate Yoga	1
PE 27	High Intensity Interval Training	1
PE 29B	Intercollegiate Badminton	3
PE 29C	Off-Season Intercollegiate Badminton	1
PE 30B	Intercollegiate Baseball	3
PE 30C	Off-Season Intercollegiate Baseball	1
PE 31B	Intercollegiate Basketball	3
PE 31C	Off-Season Intercollegiate Basketball	1
PE 32B	Intercollegiate Cross Country	3
PE 33B	Intercollegiate Football	3
PE 33C	Off-Season Intercollegiate Football	1
PE 34B	Intercollegiate Golf	3
PE 34C	Off-Season Intercollegiate Golf	1
PE 35B	Intercollegiate Cheer and Stunt	2
PE 36B	Intercollegiate Soccer	3
PE 36C	Off-Season Intercollegiate Soccer	1
PE 37B	Intercollegiate Softball	3
PE 37C	Off-Season Intercollegiate Softball	1
PE 38B	Intercollegiate Tennis	3
PE 38C	Off-Season Intercollegiate Tennis	1
PE 39B	Intercollegiate Track and Field	3
PE 39C	Off-Season Intercollegiate Track and Field	1
PE 40B	Intercollegiate Women's Volleyball	3
PE 40C	Off-Season Intercollegiate Women's Volleyball	1
PE 41B	Intercollegiate Men's Wrestling	3
PE 41C	Off-Season Intercollegiate Men's Wrestling	1
PE 42B	Intercollegiate Women's Water Polo	3
PE 42C	Off-Season Intercollegiate Women's Water Polo	1
PE 43B	Intercollegiate Women's Swimming and Diving	3
PE 43C	Off-Season Intercollegiate Women's Swimming and Diving	1
PE 44B	Intercollegiate Women's Beach Volleyball	3
PE 44C	Off-Season Intercollegiate Women's Beach Volleyball	1
PE 45	Performance Training and Conditioning Techniques for Intercollegiate Athletics	0.5-1
PE 46B	Intercollegiate Women's Wrestling	3
PE 46C	Off-Season Intercollegiate Women's Wrestling	1
PE 71	Soccer	1
PE 72	Spinning for Fitness	1
Total		21.5-41

PRE-APPRENTICESHIP

MC3 PRE-APPRENTICESHIP – MAJOR #9241

new program, Fall 2024

In this program, students learn introductory construction skills used by Sheet Metal Workers, Plumber/Steamfitters, Electricians, Painters, Ironworkers, Masons, and Teamsters. Through in-person expert demonstrations for each trade and under the guidance of their instructor, students join pipe, assemble sheet metal, pull conductors, paint, assemble rebar, walk iron beams, grind steel, and pour concrete. Students also learn history, safety practices, trade norms, tools, working conditions, and methodology used for each trade. They learn best practices for a job interview, and they create an informative resume that demonstrates hands-on skills learned in the program. Students may also be introduced to other trades via guest speakers, e.g. Carpenter, Drywaller/Latherer, Insulator, Laborer, and Roofer/Water Proofer.

Certificate of Completion

Student Learning Outcomes:

1. Prepare students with pre-apprenticeship introductory skills and experiences necessary to apply for an apprenticeship as a Sheet Metal Worker, Ironworker, Plumber/Pipefitter, Painter, Mason, Electrician or Teamster.

Required Courses

	Hours
PREAPP 320 MC3 Pre-Apprenticeship Core	108
PREAPP 321 MC3 Pre-Apprenticeship Essentials	108

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Total 216

+ MC3 PRE-APPRENTICESHIP EMPLOYMENT READY – MAJOR #9244*new program, Spring 2025*

In this program, students learn introductory construction skills used by Sheet Metal Workers, Plumber/Steamfitters, Electricians, Painters, Ironworkers, Masons, and Teamsters. Through in-person expert demonstrations for each trade and under the guidance of their instructor, students join pipe, assemble sheet metal, pull conductors, paint, assemble rebar, walk iron beams, grind steel, and pour concrete. Students also learn history, safety practices, trade norms, tools, working conditions, and methodology used for each trade. They earn 2 semesters of work experience and learn best practices for a job interview, and they create an informative resume that demonstrates work experience and hands-on skills learned in the program. Students may also be introduced to other trades via guest speakers, e.g. Carpenter, Drywaller/Latherer, Insulator, Laborer, and Roofer/Water Proofer.

Certificate Achievement**Student Learning Outcomes:**

1. Prepare students with pre-apprenticeship introductory skills, experiences, and nine units of work experience necessary to apply for an apprenticeship as a Sheet Metal Worker, Ironworker, Plumber/Pipefitter, Painter, Mason, Electrician or Teamster.

Required Courses		Units
AT 10	Work Experience Education	9
PREAPP 120	MC3 Pre-Apprenticeship Core	3.5
PREAPP 121	MC3 Pre-Apprenticeship Essentials	3.5
		Total 16

+ MC3 PRE-APPRENTICESHIP PLUS – MAJOR #9243*new program, Spring 2025*

In this program, students learn introductory construction skills used by Sheet Metal Workers, Plumber/Steamfitters, Electricians, Painters, Ironworkers, Masons, and Teamsters. Through in-person expert demonstrations for each trade and under the guidance of their instructor, students join pipe, assemble sheet metal, pull conductors, and paint. Students also learn history, safety practices, trade norms, tools, working conditions, and methodology used for each trade. They earn 1 semester of work experience and learn best practices for a job interview, and they create an informative resume that demonstrates work experience and hands-on skills learned in the program. Students may also be introduced to other trades via guest speakers, e.g. Carpenter, Drywaller/Latherer, Insulator, Laborer, and Roofer/Water Proofer.

Certificate Achievement**Student Learning Outcomes:**

1. Prepare students with pre-apprenticeship introductory skills, experiences, and five units of work experience necessary to apply for an apprenticeship as a Sheet Metal Worker, Ironworker, Plumber/Pipefitter, Painter, Mason, Electrician or Teamster.

Required Courses		Units
AT 10	Work Experience Education	5-9
PREAPP 120	MC3 Pre-Apprenticeship Core	3.5
		Total 8.5-12.5

PSYCHOLOGY**PSYCHOLOGY FOR TRANSFER – MAJOR #7550***revised program, Spring 2025*

Psychology is a useful major for students with a variety of interests and career goals due to its emphasis on critical thinking, the scientific method of inquiry, and the interactive role that biological, psychological, developmental, and sociocultural factors play in affecting human behavior and mental processes. The Associate in Arts in Psychology 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 in Psychology for Transfer degree, students must complete a minimum of 60 required semester units of CSU-transferable coursework, including either the CSU-GE Breadth or IGETC requirements and 19-20 semester units within the major. Students must maintain a minimum 2.0 GPA, including grades of C (or 'P') 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 when planning to complete the degree for more information on university admission and transfer requirements.

Associate in Arts**Student Learning Outcomes:**

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

1. Apply their knowledge of psychology's major theoretical perspectives (psychodynamic, behavioral, biological, humanistic, cognitive, evolutionary, and sociocultural) and its scientific research process when studying topics of interest, including methodologies and ethical concerns within the field's subdisciplines.
2. Recognize and analyze the application of psychological concepts and theories to human experiences across the lifespan and within the context of various social and cultural constructs.
3. When presented with information and claims about human behavior and mental processes, critically evaluate them within a framework that views humans as continually developing biological, psychological, social, and cultural organisms.

Required Core Courses		Units
PSY 2/2H	General Psychology, <i>or</i> Honors General Psychology.....	3
PSY 36	Biological Psychology.....	3
PSY 45	Introduction to Research Methods in Psychology	3
MATH 11/11H	Elementary Statistics, <i>or</i> Honors Elementary Statistics, <i>or</i>	
MATH/PSY 42	Statistics for the Behavioral Sciences	4

Select one of the following courses:		Units
BIOL 5	Human Biology	4
PSY 5	Social Psychology	3

Select one of the following courses: NOTE: Psychology 5 can be taken in this section only if it was not taken as part of the previous section.		Units
PSY 5	Social Psychology	3
PSY 16	Psychological Disorders	3
PSY 25	Human Sexuality	3
PSY 33	Personal and Social Adjustment	3
Total 19-20		

THEATRE ARTS

THEATRE ARTS FOR TRANSFER – MAJOR #5445

revised program, Fall 2024

The Associate in Arts in Theatre Arts 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 'P') 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 California State University-General Education-Breadth pattern (CSU-GE Breadth); 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. Identify the literature and styles of theatre.
2. Demonstrate the acting process.
3. Demonstrate the production process.

Required Core Courses (9 units)		Units
TA 30	Theatre Appreciation.....	3
TA 23	Technical Theatre Practicum, <i>or</i>	
TA 40	Performance Practicum.....	3
TA 41	Beginning Acting, <i>or</i>	
TA 42	Beginning Acting for Theatre Majors	3

Elective Courses: Select 9 units from the following courses.

NOTE: TA 40 can be taken in this section only if it was not taken as part of the core.		Units
TA 27	Introduction to Lighting Design.....	3
TA 28	Introduction to Stage Makeup	3
TA 36	Costume Design.....	3
TA 38	Script Analysis.....	3
TA 40	Performance Practicum.....	3
TA 43	Intermediate Acting	3

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Total 18

WELDING TECHNOLOGY**MAINTENANCE TECHNICIAN – FORMERLY MANUFACTURING TECHNICIAN – MAJOR #8063***revised program, Spring 2025*

This curriculum provides training in maintenance mechanic, electrical control systems.

Certificate**Student Learning Outcomes:**

1. Demonstrate satisfactory knowledge of pneumatic/hydraulic systems.
2. Demonstrate satisfactory knowledge of oxyacetylene and arc welding processes, and use of common hand tools.
3. Specify, install, and calibrate an instrumentation circuit for the solution of a problem.
4. Write programs in ladder logic, load and troubleshoot the programs, and operate the system.

Required Courses**Units**

EST 50	Introduction to Electrical Systems Technology.....	3
EST 55A	Digital Concepts.....	3
EST 58	Programmable Logic Controllers.....	3
EST 59	Instrumentation Systems.....	3
MMCTC 370	Machine Shop and Equipment Repair for Maintenance Mechanics.....	0
MMCTC 371	Hydraulic, Pneumatic, and Mechanical Drive Fundamentals for Maintenance Mechanics	0
MMCTC 372	Electrical Fundamentals for Maintenance Mechanics	0
		Total 12

METAL FABRICATION OPTION – MAJOR #8371*correction, Fall 2024*

Instruction in the design and fabrication of metal projects by welding. Skills will be taught in design, manufacturing processes, production techniques, and material cost estimation.

Certificate of Achievement**Student Learning Outcomes:**

1. Given an idea or description, students will be able to design and plan the construction of one or more advanced metal fabricated projects.
2. From design and specifications, students will be able to determine estimated steel weights, and cost calculations.
3. Students will be able to demonstrate the proper safety precautions, setup and use of tools and equipment common to metal fabrication.
4. In the construction of their project, students will apply various types of welds and other joining processes with quality workmanship to assemble the metal components of advanced projects.

Required Core Courses**Units**

AT 10	Technical Computer Applications.....	3
AT 21	Occupational Safety and Health.....	2
AT 40	Preparing for Employment Opportunities	3
AT/WELD 130	Precision Measurements.....	3
CADD 22	CAD for Fabrication.....	3
DRAFT 12	Drafting Practices.....	
WELD 3A	Welding Design and Fabrication	5
WELD 3B	Intermediate Welding Design and Fabrication.....	5

Required Welding Sequence Options**Units**

WELD 2A	Introduction to Welding Technology, <i>and</i>	
WELD 2B	Advanced Multi-Process Welding, <i>or</i>	
WELD 6A	Shielded Metal Arc Welding Theory and Application, <i>and</i>	
WELD 6B	Semi-Automatic Wire Feed Welding, <i>and</i>	
WELD 6C	Gas Tungsten Arc Welding Theory and Application.....	10.5-11

Electives (select 1 course)**Units**

CAM 10	CNC Mill Programming & Operation I.....	4
ENGR 10	Introduction to Engineering	2
ENGR 11	Manufacturing Processes.....	3
WELD 3C	Custom Metal Fabrication	2.5
WELD 10	Pipe and Tube Fitting	2

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

WELD 56	Print Reading for Welders	2
	Total	39.5-42

Indicates new and revised items not included in the August Addendum packet.
+Indicates new and revised items not included in the August and December Addendum packets.

COURSE DESCRIPTIONS

Changes to Pages 336-566

Course Classification System

Credit, Nondegree Applicable

Change: add

# Administration of Justice 263, Unmanned Aircraft Systems Basic Pilots Course	<i>effective Spring 2025</i>
# Administration of Justice 263A, Leadership Development Program	<i>effective Spring 2025</i>
# Administration of Justice 263B, Field Training Program SAC Course	<i>effective Spring 2025</i>
# Administration of Justice 278A, Public Safety Dispatchers Course	<i>effective Spring 2025</i>
# Administration of Justice 287, Adult Corrections Officer Core	<i>effective Spring 2025</i>
Fire Technology 262, Basic Life Support (BLS) Provider Cardiopulmonary Resuscitation	<i>effective Spring 2025</i>
# Mathematics 205S, Support for Mathematical Analysis I	<i>effective Spring 2025</i>

Courses by Subject

Administration of Justice (AJ)

# New course	<i>effective Spring 2025</i>
263 Unmanned Aircraft Systems Basic Pilots Course, 1.5 units, 1.39 lecture hours, 0.94 lab hour, (Pass/No Pass). Prerequisite: Administration of Justice 270B. This 40-hour course is designed to teach law enforcement personnel to safely and effectively fly small unmanned aircraft systems (sUAS) in the National airspace with an emphasis on tactics relating to law enforcement daytime and nighttime operations. This course will also satisfy the FAA's requirements for basic training for remote pilots and visual observers. Material fees and parking fees may be applicable.	
# New course	<i>effective Spring 2025</i>
263A Leadership Development Program, 0.5 unit, 0.94 lecture hour, (Pass/No Pass). Prerequisite: None. This 16-hour course will provide the participant with a deepened understanding of leadership philosophies, knowledge, skills, and abilities within law enforcement.	
# New course	<i>effective Spring 2025</i>
263B Field Training Program SAC Course, 1 unit, 1.4 lecture hours, (Pass/No Pass). Prerequisite: Administration of Justice 291. This course is designed to provide the field training program administrator/supervisor with primary knowledge of POST requirements for effective management of the field training program.	
# New course	<i>effective Spring 2025</i>
278A Public Safety Dispatchers Course, 9 units, 9.33 lecture hours, (Pass/No Pass). Prerequisite: None. This course is designed to provide students with basic knowledge, skills, and abilities to perform the tasks and duties required by a police dispatcher to provide quality service to the public as defined in the California Commission on Peace Officer Standards and Training (POST) procedure D-1-7.	
# New course	<i>effective Spring 2025</i>
287 Adult Corrections Officer Core, 6 units, 4.5 lecture hours, 5.77 lab hours, (Pass/No Pass). Prerequisite: None. This course consists of a minimum of 176 hours of instruction in specific performance/instructional objectives set forth by the Board of State and Community Corrections. Entry-level staff must successfully complete the course objectives by showing a satisfactory level of proficiency on relevant achievement tests. This training shall be completed as a part of the first year of job assignment as an Adult Corrections Officer.	

Aerospace Studies (AEROST)

Change: title, units, hours, description

effective Spring 2025

1A AS100 Heritage and Values A, 1.5 units, 1.5 lecture hours.

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Corequisite: Aerospace Studies 3A.

This course provides an introduction to the United States Air Force (USAF) and Space Force (USSF). The course allows students to examine general aspects of the Department of the Air Force (DAF), leadership fundamentals, service benefits, and opportunities for officers. This course also lays the foundation for becoming an Airman or Guardian by outlining our heritage and values. As a foundational course, AS100 provides a historical perspective such as lessons on war and U.S. military, DAF operations, principles of war, and airpower. As a whole, this course provides students with a knowledge-level understanding for the employment of air and space power, from an institutional, doctrinal, and historical perspective. The students will be introduced to the military way of life and gain knowledge on what it means to be an Airman or Guardian. (A, CSU, UC)

Change: title, units, hours, description

effective Spring 2025

1B AS100 Heritage and Values B, 1.5 units, 1.5 lecture hours.

Corequisite: Aerospace Studies 3B.

This course provides an introduction to the United States Air Force (USAF) and Space Force (USSF). The course allows students to examine general aspects of the Department of the Air Force (DAF), leadership fundamentals, service benefits, and opportunities for officers. This course also lays the foundation for becoming an Airman or Guardian by outlining our heritage and values. As a foundational course, AS100 provides a historical perspective such as lessons on war and U.S. military, DAF operations, principles of war, and airpower. As a whole, this course provides students with a knowledge-level understanding for the employment of air and space power, from an institutional, doctrinal, and historical perspective. The students will be introduced to the military way of life and gain knowledge on what it means to be an Airman or Guardian. (A, CSU, UC)

Change: title, units, hours

effective Spring 2025

2A AS200 Team and Leadership Fundamentals A, 1.5 units, 1.5 lecture hours.

Change: title, units, hours

effective Spring 2025

2B AS200 Team and Leadership Fundamentals B, 1.5 units, 1.5 lecture hours.

Change: title, hours

effective Spring 2025

3A AS100 Leadership Laboratory A, 1 unit, 4 lab hours, (Pass/No Pass).

Change: title, hours

effective Spring 2025

3B AS100 Leadership Laboratory B, 1 unit, 4 lab hours, (Pass/No Pass).

Change: title, hours

effective Spring 2025

3C AS200 Leadership Laboratory C, 1 unit, 4 lab hours, (Pass/No Pass).

Change: title, hours

effective Spring 2025

3D AS200 Leadership Laboratory D, 1 unit, 4 lab hours, (Pass/No Pass).

Anthropology (ANTHRO)

Change: description

effective Spring 2025

1 Biological Anthropology, 3 units, 3 lecture hours.

Advisory: English 1A.

This course explores concepts, methods of inquiry, and scientific explanations for biological evolution and its application to the human species. Topics include: genetics, evolutionary theory, human variation and biocultural adaptations, comparative primate anatomy and behavior, and the fossil evidence for human evolution. The scientific method serves as the foundation of the course. (A, CSU-GE, UC, I)

Change: advisory, description

effective Spring 2025

1L Biological Anthropology Laboratory, 1 unit, 3.5 lab hours.

Corequisite: Anthropology 1. **Advisory:** English 1A.

This course is a hands-on laboratory experience to supplement Biological Anthropology. It may be taken either concurrently with Anthropology 1 or in a subsequent term. Exercises will provide additional experience and hands-on activities to expand student learning in the following major subject areas: the scientific method, evolution and natural selection with a specific focus on human evolution, evolutionary genetics, modern human variation, forensic anthropology, primate anatomy and behavior, and the hominid fossil record. (A, CSU-GE, UC, I)

Change: description

effective Spring 2025

2 Cultural Anthropology, 3 units, 3 lecture hours.

Advisory: English 1A.

This course explores how anthropologists study and compare human cultures. Cultural anthropologists seek to understand the diversity of human experience, focusing on a set of central issues: how people around the world make their

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

living (subsistence patterns); how they organize themselves socially, politically and economically; how they communicate; how they relate to each other through marriage, family and kinship ties; what they believe about the world (religion and belief systems); how they express themselves creatively (the arts and expressive culture); how they make distinctions among themselves; how they have shaped and been shaped by the past; and how they navigate culture change and processes of globalization. Ethnographic case studies highlight these similarities and differences, and introduce students to how anthropologists do their work, employ professional anthropological research ethics and apply their perspectives and skills to understand humans around the globe. (A, CSU-GE, UC, I)

Change: advisory, description

effective Spring 2025

2H Honors Cultural Anthropology, 3 units, 3 lecture hours, (Formerly Honors 2A).

Advisory: English 1A and meet the qualifications for consideration for acceptance into the Honors Program. See Honors Program listing in the college catalog.

This course is an enhanced exploration of how anthropologists study and compare human culture. Cultural anthropologists seek to understand the diversity of human experience, focusing on a set of central issues: how people around the world make their living (subsistence patterns); how they organize themselves socially, politically and economically; how they communicate; how they relate to each other through marriage, family and kinship ties; what they believe about the world (religion and belief systems); how they express themselves creatively (the arts and expressive culture); how they make distinctions among themselves; how they have shaped and been shaped by the past; and how they navigate culture change and processes of globalization. Ethnographic case studies highlight these similarities and differences, and introduce students to how anthropologists do their work, employ professional anthropological research ethics and apply their perspectives and skills to understand humans around the globe. The Honors section of this course places greater emphasis on various anthropological theories and data-gathering methods, as well as historical and contemporary debates within the discipline of anthropology. (A, CSU-GE, UC, I)

Change: description

effective Spring 2025

3 Archaeology and World History, 3 units, 3 lecture hours.

Advisory: English 1A.

This course provides a comprehensive exploration of the physical and cultural evolution of the human species, tracing its development from the earliest manifestations of "humanness" to the emergence and growth of civilization. Looking at the archaeological record is the methodology of the course. The curriculum encompasses a brief introductory overview of the methodologies employed in archaeology, highlighting the interdisciplinary character inherent in modern archaeological research. (A, CSU-GE, UC, I)

Change: advisory, description

effective Spring 2025

4 Introduction to Archaeology, 3 units, 3 lecture hours.

Advisory: English 1A.

This course serves as an introduction to the examination of concepts, theories, data, and models within the field of archaeology, aiming to enhance understanding of the human past. It encompasses discussions on the characteristics of scientific inquiry, delves into the historical context and interdisciplinary facets inherent in modern archaeological research. The curriculum covers various aspects such as dating techniques, survey methods, excavation procedures, analytical approaches, and interpretation methodologies, incorporating selected cultural sequences for a comprehensive exploration. Additionally, the course addresses cultural resource management and emphasizes the importance of professional ethics. (A, CSU-GE, UC, I)

Change: description

effective Spring 2025

8 Language and Culture, 3 units, 3 lecture hours.

Advisory: English 1A.

This course explores how anthropologists study language and communication in real-life social contexts across different cultures. Students will be exposed to the great variety of ways humans communicate both verbally and non-verbally. Using specific cross-cultural examples, the class will survey three core areas in linguistic anthropology: Structural Linguistics, which focuses on phonology, morphology, syntax, and semantics; Historical linguistics, which focuses on origins and evolution of language, the development of language over time including its changes, variations, and language loss; and Sociolinguistics, which focuses on language acquisition in a cultural context, how culture shapes language, and the intersection of language and systems of power. (A, CSU-GE, UC, I)

Change: description

effective Spring 2025

12 Visual Anthropology: Introduction to Ethnographic Film, 3 units, 3 lecture hours.

Advisory: English 1A.

This course is an introduction to the use of film by anthropologists as a research and educational tool. Films depicting different cultures from around the world are viewed and evaluated. Various attributes of ethnographic film are examined. (A, CSU, UC, I)

Change: title, description

effective Spring 2025

13 Anthropology of Religion, Magic, Witchcraft, and Healing, 3 units, 3 lecture hours.

Advisory: English 1A.

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

This course explores religious beliefs and practices using the anthropological perspective. Students will learn the various ways religion is lived and practiced in diverse cultures, the relationship between religious behavior and other domains of culture, and the role of religious beliefs in human experiences of health and healing. Anthropological theories of religion will be covered using specific forms, functions, and expressions of belief systems and ritual within their cultural contexts. With an emphasis on small-scale societies and communities, this course uses local perspectives as well as cross-cultural understandings to explore the variations of religious rituals and beliefs, immeasurable beings and powers, sacred stories and symbols, religious roles and practitioners, religious healing and medical systems, concepts of the body, birth, death, and religious change. (A, CSU, UC)

Change: advisory, description

effective Spring 2025

15 Laboratory Methods in Archaeology, 3 units, 3 lecture hours, 3 lab hours.

Prerequisite: Anthropology 4. **Advisory:** English 1A.

This course emphasizes the role laboratory work in developing and organizing archaeological projects. It explores the processes of identifying, analyzing, and cataloging artifacts, including various types such as lithic, ceramic, bone, historic items, among others. The curriculum provides practical insights into the methodologies employed in the laboratory setting to enhance understanding of archaeological materials. (A, CSU, UC)

Change: advisory, description

effective Spring 2025

16A Field Archaeology I, 2 units, 1 lecture hour, 3 lab hours, (Formerly Anthropology 6).

Prerequisite: Anthropology 4. **Advisory:** English 1A.

Students in this course gain hands-on field experience in archaeology, focusing on the development of practical skills. This includes training in archaeological survey techniques, excavation methods, mapping procedures, and site recording. The curriculum also covers the identification of artifacts, features, sites, and cultural landscapes in real field situations. Students will learn about the logistics involved in archaeological projects. Participation in a required orientation meeting precedes the field experience. (A, CSU, UC)

Change: prerequisite, advisory, description

effective Spring 2025

16B Field Archaeology II, 2 units, 1 lecture hour, 3 lab hours.

Prerequisite: Anthropology 4. **Advisory:** English 1A.

A second experience in archaeological field work. Continues development of practical skills in archaeological field work with the addition of higher level responsibilities. In this course students return as potential supervisors. They continue to gain hands-on field experience in archaeology, focusing on the development of practical skills. This includes training in archaeological survey techniques, excavation methods, mapping procedures, and site recording. The curriculum also covers the identification of artifacts, features, sites, and cultural landscapes in real field situations. Students will learn about the logistics involved in archaeological projects. Participation in a required orientation meeting precedes the field experience. (A, CSU, UC)

Change: advisory, description

effective Spring 2025

24 Doing Anthropology: Hands-On!, 1.5 units, 1 lecture hour, 2 lab hours.

Corequisite: Anthropology 4. **Advisory:** English 1A.

This course provides hands-on experience in archaeology, focusing on various skills from the field. Students actively engage in artifact identification, utilize compass techniques, employ survey methods, and practice mapping units, sites, and features. The course also includes instruction on setting up archaeological excavation units and introduces the use of topographic maps, emphasizing the Universal Transverse Mercator and Public Lands Survey grid systems within the field of archaeology. Additionally, students are introduced to site record forms as part of the practical training. (A, CSU, UC)

Change: description

effective Spring 2025

30 Topics in Anthropology, 1-4 units, 1-3 lecture hours, 0-9 lab hours.

Advisory: English 1A.

This course is an examination of topics, current trends, and/or issues in the subdisciplines of Anthropology not covered by regular catalog offerings. The course content and unit credit will be determined by faculty. It may be offered in seminar, lecture, and/or laboratory format. Recommended preparation varies with topic. (A, CSU, UC approved as variable topics; evaluation completed by individual campuses after admission.)

Applied Technology

Change: description

effective Spring 2025

10 Technical Computer Applications, 3 units, 3 lecture hours, 1 lab hour, (Formerly Industrial Education 23).

Prerequisite: None.

This course is an introduction to computers, elements of computer hardware and software and how they are used in the workplace, and the social impact of computers. Students will experience a hands-on introduction and develop general computer skills for technical programs such as word processing, spreadsheet, presentation applications, and email. (A, CSU, UC)

Change: corequisite, description**effective Spring 2025****19 Work Experience Education, 1-14 units.****Corequisite:** None.

Students will complete supervised employment (internship) extending the classroom based on occupational learning related to Applied Technology Division departments. Students will develop collaborative learning objectives specific to the particular occupational field. Orientation hours may be required. (A, CSU)

Change: description**effective Spring 2025****21 Occupational Safety and Health, 2 units, 2 lecture hours, 0.5 lab hour, (Formerly Industrial Education 36).****Advisory:** Applied Technology 10.

Students will learn about employer and employee responsibility, federal and state legislation, accident reports, industrial hygiene, personal protective equipment, materials handling and storage, hazard communication, guarding machines and mechanisms, hand and portable power tools, electrical safety, and fire protection. If the specific attendance and testing requirements are met, students in this class may be eligible to receive the Federal or California OSHA 10 or OSHA 30 General Industry or Construction Card. (A, CSU)

Change: description**effective Spring 2025****40 Preparing for Employment, 3 units, 3 lecture hours, (Formerly Industrial Education 37).****Advisory:** Applied Technology 10.

Students will learn the importance of human relations competencies and professional workplace communications including written, oral and presentation skills in the work world. Students will develop job-seeking skills including preparing resumes, preparing portfolios and honing job search and interview skills. (A, CSU)

Change: hours**effective Spring 2025****130 Precision Measurements, 3 units, 2.5 lecture hours, 1.5 lab hours, (See also Welding Technology 130), (Industrial Education 60).****Astronomy (ASTRO)****Change: hours****effective Spring 2025****10 Basic Astronomy, 4 units, 3 lecture hours, 3 lab hours.****Change: hours****effective Spring 2025****15 The Solar System, 4 units, 3 lecture hours, 3 lab hours.****Change: hours****effective Spring 2025****20 Stars, Galaxies, and Cosmology, 4 units, 3 lecture hours, 3 lab hours.****Biology (BIOL)****Change: hours****effective Spring 2025****3 Introduction to Life Science, 4 units, 3.5 lecture hours, 2 lab hours.****Change: hours****effective Spring 2025****5 Human Biology, 4 units, 3.5 lecture hours, 2 lab hours.****Change: hours****effective Spring 2025****15 Animal Biology, 4 units, 3.5 lecture hours, 2 lab hours.****Change: hours****effective Spring 2025****16 Plant Biology, 4 units, 3.5 lecture hours, 2 lab hours.****Change: hours****effective Spring 2025****31 Microbiology, 4 units, 3.5 lecture hours, 5 lab hours.****Change: hours****effective Spring 2025****46 Elementary Horticulture, 4 units, 3.5 lecture hours, 2 lab hours.****Change: hours****effective Spring 2025****71 Field Biology of the High and Eastern Sierra Nevada, 1 unit, 0.5 lecture hour, 2 lab hours.**

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Change: hours**effective Spring 2025****72 Field Biology of the Central California Coast, 1 unit, 0.5 lecture hour, 2 lab hours.****Communication (COMM)****Change: description****effective Spring 2025****1 Public Speaking, 3 units, 3 lecture hours, (Formerly Speech 1).****Advisory:** English 1A.

This course presents theories and techniques of communication to enhance public speaking skills. This is achieved through research, organization, composition, presentation, delivery, and evaluation of various types of informative and persuasive speeches. Communication and rhetorical theories are presented to enhance understanding of public communication processes. Particular emphasis is placed on the organization and criticism of public discourse. (A, CSU-GE, UC, I)

New course**effective Spring 2025****1H Honors Public Speaking, 3 units, 3 lecture hours.**

Advisory: English 1A and meet the qualifications for consideration for acceptance into the Honors Program. See Honors Program listing in the college catalog.

This course presents theories and techniques of communication to enhance public speaking skills. Particular emphasis will be on the organization and criticism of public discourse. This is achieved through research, organization, composition, presentation, delivery, and evaluation of various types of informative and persuasive speeches. Communication and rhetorical theories are presented to enhance understanding of public communication processes. Particular emphasis is placed on the organization and criticism of public discourse. As an Honor's section, this class employs enhanced methods such as the use of research, advocacy and debate, in addition to exploring prominent speakers and the analysis of famous speeches. (A, CSU)

Change: description**effective Spring 2025****2 Interpersonal Communication, 3 units, 3 lecture hours, (Formerly Speech 2).****Advisory:** English 1A.

In this course students will study a variety of interpersonal communication theories, research, concepts, and principles. Students will learn and apply the importance of interpersonal communication, verbal and nonverbal communication, diversity and culture, relationships, and conflict. This will be achieved through research and analysis of interpersonal interactions and self reflection. (A, CSU-GE, UC)

Change: description**effective Spring 2025****4 Persuasion, 3 units, 3 lecture hours, (Formerly Speech 4).****Advisory:** English 1A.

This course explores the theories and practices of influence, advocacy, and reasoning from the perspective of both persuader and audience. Rhetorical and social theories of persuasion are studied, and historical and contemporary persuasive messages are analyzed. Students also practice by preparing effective and ethical persuasive speeches and other appeals. (A, CSU-GE, UC, I)

Change: description**effective Spring 2025****8 Group Communication, 3 units, 3 lecture hours, (Formerly Speech 8).****Advisory:** English 1A.

This course is an introduction to group communication as a vehicle for solving problems, reaching decisions, making recommendations on policy and communicating group decisions to a larger audience. Students will study and practice the theories, behaviors and processes of group communication. (A, CSU-GE, UC, I)

Change: description**effective Spring 2025****8H Honors Group Communication, 3 units, 3 lecture hours.**

Advisory: English 1A and meet the qualifications for consideration for acceptance into the Honors Program recommended. See Honors Program listing in the college catalog.

An introduction to group communication as a vehicle for solving problems, reaching decisions, making recommendations on policy, and communicating group decisions to a larger audience. Students will study and practice the theories, behaviors, and processes of group communication. Honors sections will also focus on a more in-depth analysis of group communication theory and its application. (A, CSU-GE, UC, I)

Change: prerequisite, advisory, description**effective Spring 2025****25 Argumentation, 3 units, 3 lecture hours, (Formerly Speech 25).****Prerequisite:** English 1A.

This course covers the analysis, reasoning, advocacy, and criticism of ideas. It emphasizes derived conclusions based on valid evidence and sound inferences without using fallacies of thought and language. Students demonstrate basic principles through a variety of oral presentations and written assignments, and students are required to write a minimum of 5000 words during the semester. (A, CSU-GE, UC, I)

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Construction (CONS)

New course

effective Spring 2025

54 Landscape Maintenance, 1.5 units, 1 lecture hour, 2 lab hours.

Prerequisite: None.

In this course students will learn weed management, turf grass management, irrigation management, and equipment operation and safety. General introductory and hands-on learning in residential and commercial landscaping. Emphasis on landscape maintenance. (A, CSU)

Criminology (CRIM)

Change: description

effective Spring 2025

18 The Psychology of Criminal Behavior, 3 units, 3 lecture hours, (See also Psychology 18).

Advisory: English 1A.

This course explores the biological, psychological, developmental, social, and cultural factors that influence criminal behavior. The course also examines the relationship between psychological disorders and the development of criminal behavior and the extent to which therapy and/or rehabilitation affects recidivism rates. (A, CSU, UC)

Dance (DANCE)

New course

effective Spring 2025

20C Intermediate-Advanced Dance Composition with Film Emphasis, 3 units, 2 lecture hours, 3 lab hours.

Prerequisite: Dance 20B.

Students in this class will learn pre-advanced levels of dance movement and choreography for film. Guided group and solo improvisations will be used for the development of unique personal movement that supports a mission statement and/or social justice platform, needed for a professional portfolio and creative outlet. Students will gain cognitive and improvisational skills needed for dance on film. There will be a study of dance composition theories and conceptual approaches using film and understanding the meaning of advocacy in art. Students will create solo and/or group work on a complex and multi-dimensional level that will culminate into a short dance film. They will create a finished portfolio to use for future resumes for higher education and/or professional work. (A, CSU)

Electrical Systems Technology (EST)

Change: units, hours, description

effective Spring 2025

50 Introduction to Electrical Systems Technology, 3 units, 3 lecture hours, 1 lab hour, (Formerly Electronic Technology 50).

Advisory: Applied Technology 10.

This course explores various career paths within the electrical field. In addition, the course introduces robotics and the Electrical Systems Technology program. (A, CSU)

Change: description

effective Spring 2025

51 Direct Current Fundamentals of Electronics, 3 units, 3 lecture hours, 1 lab hour, (Formerly Electronic Technology 51).

Advisory: Electrical Systems Technology 53.

Students will explore fundamental principles and applications of Direct Current circuits. Major topics of discussion will be properties of conductors, insulators, and basic components as well as calculations used in the electrical industry. (A, CSU)

Change: description

effective Spring 2025

52 Alternating Current Fundamentals, 3 units, 3 lecture hours, 1 lab hour.

Advisory: Electrical Systems Technology 51.

This course teaches the fundamental principles and applications of alternating current circuits with an emphasis on comparing and contrasting direct current and alternating current, power production, and residential, commercial, industrial applications. (A, CSU)

Change: description

effective Spring 2025

53 Lab Safety Practices, 2 units, 2 lecture hours, 1 lab hour, (Formerly Electronic Technology 57).

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Advisory: Electrical Systems Technology 50.

This course teaches the introduction to the proper and safe use of hand tools, electrical devices and instruments with an emphasis on electrical device setup, component identification, general circuit assembly procedures, and measuring electrical parameters using appropriate test equipment. (A, CSU)

Change: title, description

effective Spring 2025

54 Semiconductor Devices, 3 units, 3 lecture hours, 1 lab hour, (Formerly Electronic Technology 52).

Advisory: Electrical Systems Technology 52.

This course will cover basic semiconductor devices and their uses and applications. Students will also receive instruction on the safe and proper use of laboratory test equipment. (A, CSU)

Change: description

effective Spring 2025

55A Digital Concepts, 3 units, 3 lecture hours, 1 lab hour, (Formerly Electronic Technology 53).

Advisory: Electrical Systems Technology 54.

This course will cover digital devices and various digital circuits in which these devices are used. The differences between analog and digital systems will be covered along with the relationships between the various numbering systems used in technology. Digital circuit design using computer software will be utilized along with physical construction of circuits using logic hardware. (A, CSU)

Change: title, advisory, description

effective Spring 2025

55B Building Management Systems, 3 units, 3 lecture hours, 1 lab hour.

Advisory: Electrical Systems Technology 55A.

This course is designed to teach students the fundamentals of automated systems including lighting automation, access control, security cameras, and fire systems, within a commercial building. (A, CSU)

Change: advisory, description

effective Spring 2025

55C SCADA Systems, 3 units, 3 lecture hours, 1 lab hour.

Advisory: Electrical Systems Technology 56C and 58.

This course will introduce students to SCADA (Supervisory Control & Data Acquisition) software and HMI (Human Machine Interface) hardware applications. (A, CSU)

Change: description

effective Spring 2025

56A Wiring Methods, 3 units, 3 lecture hours, 1 lab hour.

Advisory: Electrical Systems Technology 54.

Students can expect to learn electrical wiring methods as recognized by the National Electrical Code. You will have hands-on wiring methods and procedures for residential, commercial and industrial applications while placing a focus on electrical safety. (A, CSU)

Change: description

effective Spring 2025

56B Motor Controls, 3 units, 3 lecture hours, 1 lab hour.

Advisory: Electrical Systems Technology 55A and 56A.

Students will learn various wiring configurations for the implementation of motor controls. This course covers logic and wiring as applied to motor controls and industrial control circuits. (A, CSU)

Change: description

effective Spring 2025

56C Variable Frequency Drives & Motion Control, 3 units, 3 lecture hours, 1 lab hour.

Advisory: Electrical Systems Technology 56B and 58.

This course teaches the application of electronic principles in the industrial environment with an emphasis on variable frequency drives: operation, common parameters, features, functions, control circuits and electronic components. (A, CSU)

Change: description

effective Spring 2025

57A Analog Communications, 3 units, 3 lecture hours, 1 lab hour.

Advisory: Electrical Systems Technology 55A.

This course will cover the underlying concepts of analog communications. Some of these concepts will be the types of modulation used to convey a signal as well as the frequency spectrum, noise, signal strength and attenuation. Additionally, various types of hardware used to transmit and receive analog signals will be covered. (A, CSU)

Change: description

effective Spring 2025

57B Digital Communications, 3 units, 3 lecture hours, 1 lab hour.

Advisory: Electrical Systems Technology 57A.

This course explores modern digital communications systems including network methodologies, optical communications, satellites, cell phones, and high speed digital communications. (A, CSU)

Change: description

effective Spring 2025

57C Voice and Data Cabling, 3 units, 3 lecture hours, 1 lab hour.

Advisory: Electrical Systems Technology 54.

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

This course focuses on cabling issues related to data and voice connections and provides an understanding of the industry and its worldwide standards, types of media and cabling, physical and logical networks, as well as signal transmission. (A, CSU)

Change: description**effective Spring 2025**

58 Programmable Logic Controllers, 3 units, 3 lecture hours, 1 lab hour, (Formerly Electronic Technology 58).

Advisory: Electrical Systems Technology 56B.

This course introduces the fundamentals of programming and wiring of programmable logic controllers. (A, CSU)

Change: description**effective Spring 2025**

59 Instrumentation Systems, 3 units, 3 lecture hours, 1 lab hour, (Formerly Electronic Technology 60).

Advisory: Electrical Systems Technology 56A.

This course introduces the fundamentals of industrial instrumentation and control concepts including calibrating, and Piping and Instrument Diagram (P&ID) symbols as established by the Instrumentation, Systems, and Automation Society (ISA). (A, CSU)

Change: advisory, description**effective Spring 2025**

60 A+ PC Maintenance and Repair, 3 units, 3 lecture hours, 1 lab hour, (Formerly Electronic Technology 61).

Advisory: None.

This course provides the skills for computer hardware support; installation, configuration, diagnosing and troubleshooting computer hardware. (A, CSU)

Change: advisory, description**effective Spring 2025**

61 Networking Fundamentals, 3 units, 3 lecture hours, 1 lab hour, (Formerly Electronic Technology 59).

Advisory: Electrical Systems Technology 55A and 57C.

This course teaches the principles and structure of network addressing including applications and equipment operation. (A, CSU)

Change: advisory, description**effective Spring 2025**

62 Commercial & Industrial Networking, 3 units, 3 lecture hours, 1 lab hour.

Advisory: Electrical Systems Technology 57C and 61.

This course teaches the applications of the architecture, components, protocols, routers, and switches used in commercial and industrial networking environments. (A, CSU)

Change: advisory, description**effective Spring 2025**

81 Photovoltaic Systems, 3 units, 3 lecture hours, 1 lab hour.

Advisory: Electrical Systems Technology 54, 56A, and 96D.

Students will learn photovoltaic system requirements, design and configurations, installation techniques, and their applications in residential, commercial, and industrial applications. (A, CSU)

Change: description**effective Spring 2025**

83A Robotics, Industrial – Introduction., 3 units, 3 lecture hours, 1 lab hour, (See also Welding Technology 83A).

Advisory: Electrical Systems Technology 55A.

This is an introduction to the basic operation, programming, and application of industrial robots. (A, CSU)

Change: description**effective Spring 2025**

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

Advisory: Electrical Systems Technology 83A.

This course presents advanced industrial robotics programming, system integration, and applications. (A, CSU)

Change: advisory, description**effective Spring 2025**

84A Introduction to Biomedical Electronics, 3 units, 3 lecture hours, 1 lab hour.

Advisory: Electrical Systems Technology 54.

In this course, students will learn about biomedical instrumentation, maintenance, and repair of medical equipment in the healthcare field. (A, CSU)

Change: title, advisory, description**effective Spring 2025**

96A NFPA 70 - National Electrical Code Part 1, 3 units, 3 lecture hours.

Advisory: Electrical Systems Technology 56B.

In this course, students will learn the application of all rules for engineering, designing, installing, maintaining, and inspecting electrical systems using the document of established standards in NFPA 70. This course is designed for newcomers and professionals seeking preparation for obtaining additional certifications or further knowledge. Topics discussed: branch circuits, electrical services, overcurrent protection and grounding. (A, CSU)

Change: title, description**effective Spring 2025**

96B NFPA 70 - National Electrical Code Part 2, 3 units, 3 lecture hours.

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Advisory: Electrical Systems Technology 55B and 56A.

In this course, students will learn the application of rules for engineering, designing, installing, maintaining and inspecting installations using the document of established standards in NFPA 70. This class is designed for newcomers to the electrical industry and professionals seeking preparation for obtaining additional certifications or further knowledge. Topics consist of general wiring, motors, controls, transformers, other equipment and grounding. (A, CSU)

Change: title, description

effective Spring 2025

96C NFPA 70B – Electrical Equipment Maintenance, 3 units, 3 lecture hours.

Advisory: Electrical Systems Technology 55B and 56A.

This course covers the fundamentals of electrical equipment maintenance using the document of established standards in NFPA 70B. (A, CSU)

Change: title, description

effective Spring 2025

96C NFPA 70E – Electrical Safety, 3 units, 3 lecture hours.

Advisory: Electrical Systems Technology 55B and 56A.

This course covers the fundamentals of electrical safety using the document of established standards in NFPA 70E. (A, CSU)

Engineering (ENGR)

New course

effective Spring 2025

13 Municipal Surveying, 4 units, 3 lecture hours, 3 lab hours.

Prerequisite: Engineering 1A. **Advisory:** English 1A.

This course is an introduction to the design and application of modern surveying equipment, automated electronic survey data collection, instrumentation, photogrammetry, and construction and land surveying. (A, CSU)

New course

effective Spring 2025

14 Adjustment Computations, 3 units, 3 lecture hours.

Prerequisite: Engineering 1A, Engineering 5, and Mathematics 5B. **Advisory:** English 1A.

In this course, students will learn error theory and how to apply techniques for adjustment of simple survey networks and digital computer solutions of geomatics computation. (A, CSU)

New course

effective Spring 2025

15 Route and Construction Surveying, 4 units, 3 lecture hours, 3 lab hours.

Prerequisite: Engineering 1A. **Advisory:** English 1A.

The course provides an understanding of the methods and terms of survey practices required for the establishment of horizontal and vertical alignments of transportation facilities. This course will discuss current industry standards for construction staking. Students will practice curve staking and highway design as well. (A, CSU)

English (ENGL)

Change: prerequisite

effective Spring 2025

1AH Honors Reading and Composition, 4 units, 4 lecture hours, (Formerly Honors 1E).

Prerequisite: Placement by multiple measures. **Advisory:** Meet the qualifications for consideration for acceptance into the Honors Program recommended. See Honors Program listing in the college catalog.

Film (FILM)

Change: title, description

effective Spring 2025

1 Introduction to Media Aesthetics and Cinematic Arts, 3 units, 3 lecture hours.

Advisory: English 1A.

This course introduces the close analysis of film and television texts. Examines the broad questions of form and content, aesthetics and meaning, and history and culture. Explores the diverse possibilities presented by the cinematic art form through an examination of a wide variety of productions, national cinemas, and film movements. Topics include modes of production, narrative and non-narrative forms, visual design, editing, sound, genre, ideology and critical analysis. (A, CSU-GE, UC, I)

Change: description

effective Spring 2025

2A History of Cinema 1895-1960, 3 units, 3 lecture hours, (Formerly Film 1A).

Advisory: English 1A.

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

This course offers a survey of international film history from the invention of cinema in the 1890s to 1960, including the development of narrative, documentary, and avant-garde film of the period; the aesthetic, technological, economic, and social factors that shaped this medium; and its impact on diverse societies and cultural values. (A, CSU-GE, UC, I)

Change: description**effective Spring 2025****2B History of Cinema 1960-Present, 3 units, 3 lecture hours, (Formerly Film 1B).****Advisory:** English 1A.

This course offers a survey of international film history from 1960 to the present, including the development of narrative, documentary, and avant-garde film of the period; the aesthetic, technological, economic, and social factors that shape this medium; and its impact on diverse societies and cultural values. (A, CSU-GE, UC, I)

Change: description**effective Spring 2025****3 Film and Culture, 3 units, 3 lecture hours.****Advisory:** English 1A.

This course focuses on the relationship between moving images and culture, including the images of race, ethnicity, class, and gender in film; the ways in which ideologies are conveyed through popular movies, and the technological, industrial, and aesthetic factors affecting screen content. Lectures, discussions, and readings are supplemented by screenings of representative films. (A, CSU-GE, UC, I)

Change: course number, title, hours, description**effective Spring 2025****5A Beginning Single Camera Production, 3 units, 2 lecture hours, 3 lab hours, (Formerly Film 5).****Prerequisite:** None.

This course provides an introduction to single-camera video production, including production and aesthetic theories, terminology, and operation of field equipment. Topics covered will include composition and editing techniques, camera operation, field lighting, audio recording, and basic editing. This course focuses on the planning and execution of preproduction, production, and postproduction working as a cohesive production crew. (A, CSU, UC)

New course**effective Spring 2025****5B Beginning Motion Picture Production, 3 units, 2 lecture hours, 3 lab hours.****Prerequisite:** Film 5A.

This course provides an introduction to the basic theory, terminology, and practice of motion picture production as applied in feature films, and films made for television and internet through developed skill sets, and teamwork in pre-production, production, and post-production processes. (A, CSU)

Change: description**effective Spring 2025****6 Film Genres, 3 units, 3 lecture hours.****Advisory:** English 1A.

This course provides a clear context for appreciating the fundamental components of film as art and as social expression. It investigates the origins, evolution, and transformations of various film genres such as film noir, the Western, science-fiction, the musical, horror, war, or the crime film. The course covers the formal and thematic conventions of each genre and the genre as a reflection of the social environments that produced them. (A, CSU-GE, UC, I)

Change: advisory, description**effective Spring 2025****7 Introduction to Screenwriting, 3 units, 3 lecture hours.****Prerequisite:** None.

This basic introductory course teaches narrative script writing for film and episodic television. Emphasis on basic screenplay structure, characters, conflict, theme and technical script formatting in the development of a short screenplay. (A, CSU, UC)

New course**effective Spring 2025****8 Women and Film, 3 units, 3 lecture hours.****Prerequisite:** None.

This course examines the intersections of gender, race, class, and sexuality in American and/or international film using critical and historical perspectives. Surveys the economic, historical, and social influences upon these representations from early cinema to the present, focusing on both images of women onscreen and influences of women behind the scenes. Analyzes women's filmmaking, images of masculinity, the male gaze, and various "screen sexualities" and other representations of women. Introduces a variety of film theories and analytical perspectives. (A, CSU)

New course**effective Spring 2025****9 Film Directors and Auteur Theory, 3 units, 3 lecture hours.****Prerequisite:** None.

This course provides a focused study on the careers of selected film directors, and examines their body of work in artistic, social, historical, industrial, and influential terms. Examines recurring genres, themes, motifs, ideologies, techniques, and aesthetic choices that define various directors' signature visual and narrative styles. (A, CSU)

New course**effective Spring 2025**

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

20 Introduction to Motion Picture Cinematography, 3 units, 2 lecture hours, 3 lab hours.**Prerequisite:** None.

This course serves as an introduction to the fundamental technical and aesthetic principles of motion picture cinematography used for narrative filmmaking. The course will explore both the technical and theoretical approach to creating a visual moving image while understanding the implications the frame can give the viewer by examining cinematographers as both artistic visual storytellers as well as technicians in the craft of visual design through practical training in the use of the camera, the lighting equipment, and post-production processes. (A, CSU)

New course**effective Spring 2025****30 Beginning Editing for Cinematic Filmmaking, 3 units, 3 lecture hours.****Prerequisite:** None.

This course covers the concepts, theories, and techniques of nonlinear digital editing for cinematic motion pictures, including the organization of the editing process, working in the timeline, audio editing, basic titles, basic visual effects, and film industry workflow. Emphasis will be placed on identifying general principles and theories of film editing while developing different aesthetic techniques for narrative digital filmmaking. (A, CSU)

New course**effective Spring 2025****40 Beginning Audio Production, 3 units, 2 lecture hours, 3 lab hours.****Prerequisite:** None.

This course serves as an introduction to the theory and practice of audio production for radio, television, film, and digital recording applications. Students will learn the fundamentals of sound design and aesthetics, microphone use, and digital recording equipment. Students gain hands-on experience recording, editing, mixing, and mastering audio. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, and audio editing software. (A, CSU)

New course**effective Spring 2025****70 Documentary Production, 3 units, 3 lecture hours.****Prerequisite:** None.

This course offers a comprehensive overview of all aspects of production under digital documentary filmmaking from script concept to finished project, centering on basic theory and its application. Critical survey of key historical and contemporary documentary films and practical application of documentary concepts through group and individual film production exercises. (A, CSU)

Fire Technology (FIRET)**Change: description****effective Spring 2025****1 Fire Protection Organization, 3 units, 3.27 lecture hours, (Formerly Fire Science 1).****Prerequisite:** None.

The student will receive an introduction to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection; fire loss analysis; organization and function of public and private fire protection services; fire departments as a part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions. (A, CSU)

Change: open entry/open exit status**effective Spring 2025****30E Incident Commander HAZMAT, 0.4 unit, 0.4 lecture hour, 0.15 lab hour, (Open Entry/Open Exit).****# Change: units, hours, prerequisite, description****effective Summer 2025****130A Basic Fire Academy – Part 1, 18 units, 12.22 lecture hours, 18.33 lab hours.**

Prerequisite: Fire Technology 1 and valid Public Safety First Aid and CPR course as defined by California Health & Safety Code, Section 1797.182. Valid EMT-B National Registry Certification. Must pass initial physical agility with a minimum score of 50%.

This course will provide the skills and knowledge needed for the entry level professional fire fighter to perform their duties safely, effectively, and competently. The curriculum is based on the 2013 edition of NFPA 1001 Standard for Fire Fighter Professional Qualifications, the 2012 edition of NFPA 1051 Standard for Wildland Fire Fighter Professional Qualifications, and the 2008 edition of NFPA 472 Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents. The seven overarching themes of the California State Fire Fighter I curriculum are: general knowledge germane to the profession, fire department communications, fireground operations, rescue operations, preparedness and maintenance, wildland suppression activities, and hazardous materials/WMD. An intensive physical fitness training program is also part of this course; course is offered on an intensive daytime format or an extended evening and weekend format. (A)

Change: units, hours**effective Summer 2025****130B Basic Fire Academy – Part 2, 9.5 units, 5.5 lecture hours, 12.83 lab hours.**

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Change: title, prerequisite, description**effective Spring 2025**

131 Emergency Medical Technician Basic, 9.5 units, 8 lecture hours, 5.33 lab hours, (Formerly Fire Science 31 and Fire Technology 31).

Prerequisite: Possession of a valid CPR card that proves in person training is equivalent to the American Heart Association 2020 Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Basic Life Support at the Health Care Provider level.

Designed to prepare personnel in the fire, life safety, and related fields to render pre-hospital basic life support including, but not limited to, advanced first aid and cardiopulmonary life support for the ill or injured at the scene of an emergency in preparation for transport in accordance with policies and procedures established by National Registry of Emergency Medical Technicians, California Emergency Services Authority, and the Emergency Medical Services of the Fresno County Health Department. Minimum of twenty-four field internship hours arranged. (A)

Change: prerequisite**effective Spring 2025**

133 Emergency Medical Technician-Paramedic-Didactic, 21.5 units, 12.5 lecture hours, 11.5 lab hours, (24 weeks).

Prerequisite: Fire Technology 131 and Emergency Medical Technician Basic Certification.

Designed to prepare personnel in the fire, life safety, and related fields to render pre-hospital basic life support including, but not limited to, advanced first aid and cardiopulmonary life support for the ill or injured at the scene of an emergency in preparation for transport in accordance with policies and procedures established by National Registry of Emergency Medical Technicians, California Emergency Services Authority, and the Emergency Medical Services of the Fresno County Health Department. Minimum of twenty-four field internship hours arranged. (A)

Course deleted**effective Spring 2025**

160C Rescue Systems 2, 0.5 unit, 0.22 lecture hour, 2.01 lab hours, (Pass/No Pass).

Course deleted**effective Spring 2025**

160D Rescue Systems 3, 0.5 unit, 0.22 lecture hour, 2.01 lab hour, (Pass/No Pass).

Change: title, prerequisite, description**effective Spring 2025**

261 Emergency Medical Technician Basic Refresher, 1 unit, 1.33 lecture hour, (Pass/No Pass), (Open Entry/Open Exit).

Prerequisite: Valid Emergency Medical Technician Basic course completion certificate.

A review of the topics covered in Fire Technology 131, changes in emergency medical protocol, and updates on new procedures authorized for use in the field. Meets the requirements for recertification as an EMT Basic that are set forth by the State of California and Fresno County.

New course**effective Spring 2025**

262 Basic Life Support (BLS) Provider Cardiopulmonary Resuscitation, 0.5 unit, 0.45 lecture hour, 0.45 lab hour, (Pass/No Pass only), (Open Entry/Open Exit).

Prerequisite: None.

Students will apply the Basic Life Support (BLS) concepts of the chain of survival. Upon successful course completion with an 84% or higher of the entire course, an eCard (Electronic Card) will be emailed that is valid for two years. This eCard should be issued via email within 48 hours.

Geography (GEOG)

Change: hours**effective Spring 2025**

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

Change: hours**effective Spring 2025**

3 Physical Geography: Weather and Climate, 4 units, 3 lecture hours, 3 lab hours.

Geology (GEOL)

Change: hours**effective Spring 2025**

1 Physical Geology, 4 units, 3 lecture hours, 3 lab hours.

Change: hours**effective Spring 2025**

2 Historical Geology, 4 units, 3 lecture hours, 3 lab hours.

Change: hours**effective Spring 2025**

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

3 Geology Field Studies, 1 unit, 0.5 lecture hour, 2 lab hours, (Pass/No Pass).**Change: hours****effective Spring 2025****9 Introduction to Earth Science, 4 units, 3 lecture hours, 3 lab hours.****Graphic Communications (GRC)****Change: description****effective Spring 2025****15 Web Design, 4 units, 3 lecture hours, 3 lab hours.****Prerequisite:** None.

This course incorporates the use of "Brackets" or comparable HTML editor, CSS, and components of Adobe Design Suite with emphasis on graphic design principles and digital photography included in exercises and project work. Skill development in recognition of artwork appropriate for web site design. Students capture images, design, create, and post working web sites. (A, CSU, UC)

Change: advisory, description**effective Spring 2025****17 Adobe Illustrator, 3 units, 2 lecture hours, 3 lab hours, (Formerly Printing Technology 17).****Advisory:** Basic computer skills recommended.

This course involves using Adobe Illustrator to design and create vector images that solve a variety of graphic problems. Emphasis on student project work provides an extensive coverage of software features. (A, CSU)

Change: description**effective Spring 2025****20A Intro to Applied Graphics-Adobe Tools, 3 units, 2 lecture hours, 3 lab hours, (Formerly Graphic Communications 20 and Printing Technology 20).****Prerequisite:** None.

This course provides an overview of graphic communication processes as related to the graphics industry. Topics include terminology, input/output considerations, current trends, and hands-on projects using Adobe Photoshop, Adobe Illustrator, and Adobe InDesign for production operations. (A, CSU)

Change: description**effective Spring 2025****20B Intro to Applied Graphics - Media, 3 units, 2 lecture hours, 3 lab hours, (Formerly Graphic Communications 18).****Prerequisite:** None.

This course introduces repurposing media for production systems, incorporating print media, web design, video production, prototyping and screen presentation. Project work explores considerations and limitations of software for output. Units include professional development for the workplace. (A, CSU)

Change: description**effective Spring 2025****22 Digital Media, 3 units, 2 lecture hours, 3 lab hours.****Prerequisite:** None.

This course concentrates on working with Adobe Audition software to capture and adjust digital audio with an introduction to digital media. Project work incorporates an assortment of audio/video software and hardware used to create digital slide shows, image capture, and short video. (A, CSU)

Change: advisory, description**effective Spring 2025****23 Video Editing – Adobe Premiere Pro, 3 units, 2 lecture hours, 3 lab hours.****Advisory:** Graphic Communications 22, 322, 27, 327, 32, or 332.

This course covers the concepts, theories, and techniques of nonlinear digital video editing. This includes organization of the editing process, working on the timeline, audio editing, basic titles, and basic visual effects using Adobe Premiere Pro. Emphasis will be placed on identifying general principles of editing as well as different aesthetic techniques for source material. (A, CSU)

Change: description**effective Spring 2025****24A Intro 2-D Animation with Adobe Animate, 3 units, 2 lecture hours, 3 lab hours, (Formerly Graphic Communications 24).****Prerequisite:** None.

This course features the design and production of interactive two-dimensional animation projects using Adobe Animate and Adobe Photoshop. (A, CSU, UC)

Change: description**effective Spring 2025****27 Digital Video Production, 3 units, 2 lecture hours, 3 lab hours.****Prerequisite:** None.

This course provides an Introduction to digital video production with emphasis on planning, storytelling, vocabulary, camera handling, lighting, sound, and working with professional editing software. Students complete short exercises and create video projects. (A, CSU, UC)

Change: description**effective Spring 2025**

30 Adobe Indesign/Professional Publishing, 3 units, 2 lecture hours, 3 lab hours, (Formerly Printing Technology 30).

Prerequisite: None.

This course concentrates on Adobe InDesign page layout software. There is an emphasis on production for print, e-book, and emerging technologies. Components from Adobe Photoshop and Adobe Illustrator programs are included in project work. (A, CSU)

Change: description**effective Spring 2025**

31 Intermediate Photoshop, 3 units, 2 lecture hours, 3 lab hours.

Prerequisite: None.

This course features Adobe Photoshop with an emphasis on graphic design. Units include production for print, web, and digital media applications. (A, CSU, UC)

Change: description**effective Spring 2025**

32 Cinematography, 3 units, 2 lecture hours, 3 lab hours.

Prerequisite: None.

This course introduces production and post-production processes with emphasis on story telling. Topics include lighting for effect, audio, camera work, video editing, and both group and individual project work. (A, CSU, UC)

Change: description**effective Spring 2025**

34 Introduction to 3-D Animation, 3 units, 2 lecture hours, 3 lab hours.

Prerequisite: None.

This course introduces 3-D animation using Blender software. Projects work centers around workflow, interface, layouts, objects, lighting, animation, and rendering. (A, CSU, UC)

Change: units, hours, advisory, description**effective Spring 2025**

38 Video Post Production, 3 units, 3 lecture hours.

Advisory: Graphic Communications 22, 322, 23, 323, 27, or 327.

This course deals with post-production techniques for adjusting audio and video project quality. Units include working with mixed frame sizes, mixed frame rates, correcting color, matching color from various sources and working with log exposure using a test target. Corrective audio adjustments include audio editing tools in Premiere and the use of Adobe Audition, Photoshop and After Effects. (A, CSU)

Change: description**effective Spring 2025**

39A Introduction to Graphic Design, 3 units, 2 lecture hours, 3 lab hours, (Formerly Graphic Communications 39 and Printing Technology 39).

Corequisite: Graphic Communications 20A or 320A.

This course deals with the principles and methods of graphic communication. Projects incorporate symbols and typography into visual design, exploring interrelationships between formal elements and symbolic content. (A, CSU, UC)

Change: prerequisite, description**effective Spring 2025**

40A Intermediate Graphic Design, 3 units, 2 lecture hours, 3 lab hours, (Formerly Graphic Communications 40 and Printing Technology 40).

Prerequisite: Graphic Communications 39A or 339A.

This course deals with advanced principles and methods of graphic communication. Projects incorporate symbols and typography into visual design, exploring interrelationships between the formal elements and symbolic content. (A, CSU, UC)

Change: description**effective Spring 2025**

41 Visual Communications, 3 units, 2 lecture hours, 3 lab hours, (Formerly Printing Technology 41).

Prerequisite: None.

This is a survey course centering around the significant techniques and examples of visual communication as employed by the mass media, including newspapers, magazines, television, and advertising. Discussion and demonstration of the tools used in analyzing visual communication creation and analysis of images for print, web, and video is included. (A, CSU, UC)

Change: description**effective Spring 2025**

47 Introduction to Media Appreciation, 3 units, 3 lecture hours.

Prerequisite: None.

This course deals with fundamental principles of media and competencies for digital artists and designers. (A, CSU, UC)

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Change: description**effective Spring 2025****51 Storyboarding, 1 unit, 2 lecture hours, (9 weeks).****Prerequisite:** None.

This course involves pre-visualization for animation, video, web, and game production. Introduction to media-specific storyboarding processes and techniques. (A, CSU)

Change: description**effective Spring 2025****53 Adobe After Effects, 3 units, 2 lecture hours, 3 lab hours.****Prerequisite:** None.

This is an introduction to motion graphics and video post-processing using Adobe After Effects. Projects incorporate a series of techniques used to create special effects videos. (A, CSU)

Change: description**effective Spring 2025****55 Social Media Design, 3 units, 2 lecture hours, 3 lab hours.****Prerequisite:** None.

In this introductory course, students will create content for a branded identity. Students will use online-based software and/or smart device applications to create graphics, images, blog posts, and video for current Social Media platforms. (A, CSU)

Change: description**effective Spring 2025****315 Web Design, 3 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).****Prerequisite:** None.

This course incorporates the use of "Brackets" or comparable HTML editor, CSS, and components of Adobe Design Suite with emphasis on graphic design principles and digital photography included in exercises and project work. Skill development in recognition of artwork appropriate for web site design. Students capture images, design, create, and post working web sites.

Change: advisory, description**effective Spring 2025****317 Adobe Illustrator, 2 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).****Advisory:** Basic computer skills recommended.

This course involves using Adobe Illustrator to design and create vector images that solve a variety of graphic problems. Emphasis on student project work provides an extensive coverage of software features.

Change: description**effective Spring 2025****320A Intro to Applied Graphics – Adobe Tools, 2 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).****Prerequisite:** None.

This course provides an overview of graphic communication processes as related to the graphics industry. Topics include terminology, input/output considerations, current trends, and hands-on projects using Adobe Photoshop, Adobe Illustrator, and Adobe InDesign for production operations.

Change: description**effective Spring 2025****320B Intro to Applied Graphics – Media, 2 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).****Prerequisite:** None.

This course introduces production methods of graphic communication systems incorporating print media, web design, video production, and prototyping. Project work explores considerations and limitations of software for output. Units include professional development for the workplace.

Change: description**effective Spring 2025****322 Digital Media, 2 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).****Prerequisite:** None.

This course concentrates on working with Adobe Audition software to capture and adjust digital audio with an introduction to digital media. Project work incorporates an assortment of audio/video software and hardware used to create digital slide shows, image capture, and short video.

Change: advisory, description**effective Spring 2025****323 Video Editing – Adobe Premiere Pro, 2 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).****Advisory:** Graphic Communications 22, 322, 27, 327, 32, or 332.

This course covers the concepts, theories, and techniques of nonlinear digital video editing. This includes organization of the editing process, working on the timeline, audio editing, basic titles, and basic visual effects using Adobe Premiere Pro. Emphasis will be placed on identifying general principles of editing as well as different aesthetic techniques for source material.

Change: description**effective Spring 2025****324 Intro to 2-D Animation with Adobe Animate, 2 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).****Prerequisite:** None.

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

This course features the design and production of interactive two-dimensional animation projects using Adobe Animate and Adobe Photoshop.

Change: description

effective Spring 2025

327 Digital Video Production, 2 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).

Prerequisite: None.

This course provides an Introduction to digital video production with emphasis on planning, storytelling, vocabulary, camera handling, lighting, sound, and working with professional editing software. Students complete short exercises and create video projects.

Change: description

effective Spring 2025

330 Adobe InDesign/Professional Publishing, 2 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).

Prerequisite: None.

This course concentrates on Adobe InDesign page layout software. There is an emphasis on production for print, e-book, and emerging technologies. Components from Adobe Photoshop and Adobe Illustrator programs are included in project work.

Change: description

effective Spring 2025

331 Intermediate Photoshop, 2 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).

Prerequisite: None.

This course features Adobe Photoshop with an emphasis on graphic design. Units include production for print, web, and digital media applications.

Change: description

effective Spring 2025

332 Cinematography, 2 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).

Prerequisite: None.

This course introduces production and post-production processes with emphasis on story telling. Topics include lighting for effect, audio, camera work, video editing, and both group and individual project work.

Change: description

effective Spring 2025

334 Introduction to 3-D Animation, 2 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).

Prerequisite: None.

This course introduces 3-D animation using Blender software. Projects work centers around workflow, interface, layouts, objects, lighting, animation, and rendering.

Change: advisory, description

effective Spring 2025

338 Video Post Production, 2 lecture hours, (Repeats = 99), (Pass/No Pass).

Advisory: Graphic Communications 22, 322, 23, 323, 27, or 327.

This course deals with post-production techniques for adjusting audio and video project quality. Units include working with mixed frame sizes, mixed frame rates, correcting color, matching color from various sources and working with log exposure using a test target. Corrective audio adjustments include audio editing tools in Premiere and the use of Adobe Audition, Photoshop and After Effects.

Change: description

effective Spring 2025

339A Introduction to Graphic Design, 2 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).

Corequisite: Graphic Communications 20A or 320A.

This course deals with the principles and methods of graphic communication. Projects incorporate symbols and typography into visual design, exploring interrelationships between formal elements and symbolic content.

Change: prerequisite, description

effective Spring 2025

340A Intermediate Graphic Design, 2 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).

Prerequisite: Graphic Communications 39A or 339A.

This course deals with advanced principles and methods of graphic communication. Projects incorporate symbols and typography into visual design, exploring interrelationships between the formal elements and symbolic content.

Change: description

effective Spring 2025

341 Visual Communications, 2 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).

Prerequisite: None.

This is a survey course centering around the significant techniques and examples of visual communication as employed by the mass media, including newspapers, magazines, television, and advertising. Discussion and demonstration of the tools used in analyzing visual communication creation and analysis of images for print, web, and video is included.

Change: description

effective Spring 2025

347 Introduction to Media Appreciation, 3 lecture hours, (Repeats = 99), (Pass/No Pass).

Prerequisite: None.

This course deals with fundamental principles of media and competencies for digital artists and designers.

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Change: description**effective Spring 2025****351 Storyboarding, 2 lecture hours, (9 weeks), (Repeats = 99), (Pass/No Pass).****Prerequisite:** None.

This course involves pre-visualization for animation, video, web, and game production. Introduction to media-specific storyboarding processes and techniques.

Change: description**effective Spring 2025****353 Adobe After Effects, 2 lecture hours, 3 lab hours, (Repeats = 99), (Pass/No Pass).****Prerequisite:** None.

This is an Introduction to motion graphics and video post-processing using Adobe After Effects. Projects incorporate a series of techniques used to create special effects videos.

Human Services (HS)

Change: description**effective Spring 2025****9 Social Work and Human Services Seminar, 1 unit, 1 lecture hour.****Prerequisite:** Human Services 20 and 24. **Corequisite:** Human Services 19F.

This course is taken in conjunction with the student's supervised field experience that is directly related to Social Work and Human Services professional practice. This class provides a weekly class meeting studying the course text and its application to the professional experiences the student has at the field site. The goal for this course is to provide the student with an opportunity to develop knowledge and skills that would facilitate gaining employment in Human Services by learning interpersonal problem solving and communication skills; office dynamics and adapting to change; group interaction; collaborative learning activities; and application of the profession's code of ethics. (A, CSU)

Change: description**effective Spring 2025****10 Introduction to Aging Studies, 3 units, 3 lecture hours, (See also Sociology 10).****Advisory:** English 1A.

This course presents an overview of social, economic, biological and psychological aspects of aging. Course study includes exploration of challenges and strengths of aging people with emphasis on consumerism, housing, health, leisure time, family roles, retirement, widowhood and sexuality. (A, CSU-GE, UC, I)

Change: prerequisite, corequisite, description**effective Spring 2025****11 Elder Care Human Services, 3 units, 3 lecture hours.****Prerequisite:** Human Services 10. **Advisory:** English 1A.

This course provides instruction for the provision of human services to elders and their support systems. Course study emphasizes the application of social work theories and perspectives and integrative service provision for strengths based, empowerment outcomes with elder clients and their support systems. (A, CSU)

Change: units, hours, description**effective Spring 2025****18 Alcohol and Drug Abuse Counseling: Professional and Personal Growth, 3 units, 3 lecture hours.****Advisory:** English 1A.

This course teaches students techniques to create professional self-care strategies toward the establishment of optimal performance and the well-being of the Alcohol and Drug Abuse helping professional. (A, CSU)

Change: corequisite**effective Spring 2025****19B Work Experience Education, 1-14 units.****Prerequisite:** Human Services 42 and 43.**Change: description****effective Spring 2025****20 Introduction to Social Welfare, 3 units, 3 lecture hours.****Advisory:** English 1A.

This course is the introduction to the social, economic, political, historical and philosophical components important in the development of the US social welfare system and the social work profession. Instruction maintains an emphasis on the knowledge base, value systems, and specific fields of social work practice. (A, CSU, UC)

Change: description**effective Spring 2025****24 Fundamentals of Interviewing and Counseling, 3 units, 3 lecture hours.****Advisory:** English 1A.

Catalog Course Description

This course presents principles of interviewing and counseling, focusing on both theory and practice. Specific skills for use within a human service setting are taught. Along with the essential skill of analyzing the dynamics between counselor and client. (A, CSU)

Change: prerequisite, corequisite, description**effective Spring 2025****30 Group and Community Social Services, 3 units, 3 lecture hours.****Prerequisite:** Human Services 20. **Advisory:** English 1A.

This course presents principles of interviewing and counseling, focusing on both theory and practice. Specific skills for use within a human service setting are taught. Along with the essential skill of analyzing the dynamics between counselor and client. (A, CSU)

Change: description**effective Spring 2025****40 Alcohol and Drug Abuse Counseling: Law and Ethics, Prevention, Education, Outreach and Referral, 3 units, 3 lecture hours.****Advisory:** English 1A.

This class teaches classification of drugs, legal solutions, restrictions, community prevention, outreach, screening techniques, intervention and referral, and crisis counseling. (It is not open to students with credit in Human Services/Sociology 41.) (A, CSU)

Change: description**effective Spring 2025****42 Introduction to Alcohol and Drug Counseling, 3 units, 3 lecture hours.****Advisory:** English 1A.

This course provides instruction about the history of the use of alcohol and other mood changing drugs in the U.S. Instruction includes myths and stereotypes of alcohol use, socio-cultural factors that contribute to the use of drugs, patterns and progression of alcoholism, and dynamics in treatment. (A, CSU)

43 Alcohol and Drug Abuse Counseling: Case Management, 3 units, 3 lecture hours.**Prerequisite:** Human Services 42. **Advisory:** English 1A.

This course teaches elementary techniques in the treatment of alcohol dependency for the individual and the family. Students participate in a group study experience to learn and develop professional counseling techniques. Also included are skills involved with bookkeeping, providing referrals, consultation, and follow-up treatment skills. (A, CSU)

44 Drug Use: Physical and Psychological Effects, 3 units, 3 lecture hours.**Advisory:** English 1A.

This course teaches the physical and psychological aspects of drug use, including abuse and addiction, physical and psychological dependencies, physiological effects of commonly used drugs, and treatment and prevention. (It is not open to students with credit in Human Services 45.) (A, CSU)

Learning Assistance (LA)

Change: duration, hours**effective Spring 2025****3 Methods and Application in Group Instruction, 1 unit, 1 lecture hour, 1 lab hour.**

Mathematics (MATH)

New course**effective Spring 2025****205S Support for Mathematical Analysis I, 2 units, 2 lecture hours, (Pass/No Pass).****Corequisite:** Mathematics 5A.

This course supports the content knowledge in Math 5A which includes: factoring, linear equations, geometry, exponents, graphing, trigonometry, functions, and inequalities. Students taking this class with Math 5A will have extended time for practice and understanding of these concepts.

Military Science (MILSC)

Change: advisory, description**effective Spring 2025****1 Introduction to the U.S. Army and Critical Thinking, 1 unit, 1 lecture hour.****Advisory:** English 1A.

An introduction to the Army and critical thinking. MILSC 1 focuses on introduction to the Army and basic Soldier skills. It introduces students to the Army and the Profession of Arms. Students will examine the Army Profession and what it means to be a professional in the U.S. Army. The overall focus is on developing basic knowledge and comprehension of the Army Leadership Requirements Model while gaining a complete understanding of the Reserve Officers' Training Corps (ROTC) program, its purpose in the Army, and its advantages for the student. Students also learn to perform basic Soldier skills to survive in a field environment to support their development as an Army leader. Included is a weekly lab facilitated by MS III Cadets, supervised by MS IV's and cadre. (A, CSU, UC)

Change: advisory, description**effective Spring 2025****2 Foundations of Agile and Adaptive Leadership, 1 unit, 1 lecture hour.****Advisory:** English 1A.

Introduces Cadets to the personal challenges and competencies that are critical for effective leadership. Personal development of life skills such as critical thinking, time management, goal setting, and communication. Cadets learn the basics of the communications process and the importance for leaders to develop the essential skills to effectively communicate in the Army. There is a good mixture of leadership, adaptability, teamwork and the Army profession emphasis courses and labs to further your leader development and preparation as a future Army leader. (A, CSU, UC)

Change: advisory, description**effective Spring 2025****11 Leadership and Decision-Making, 2 units, 2 lecture hours.****Advisory:** English 1A.

MILSC 11 introduces Cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, performance and resilience enhancement skills, and communication will benefit them throughout their life and career. Cadets learn the basics of the communications process and the importance for leaders to develop the essential skills to effectively communicate in the Army. Cadets will begin learning the basics of squad level tactics that will be reinforced during a weekly lab facilitated by MS III Cadets, supervised by MS IVs and Cadre. (A, CSU, UC)

Change: advisory, description**effective Spring 2025****12 Army Doctrine and Team Development, 2 units, 2 lecture hours.****Advisory:** English 1A.

MILSC 12 focuses on Army Doctrine and Decision Making. The course begins with analytical techniques, creative thinking skills and the Army problem solving process as related to situations faced by leaders when making decisions. TLPs and OPORD will lead Cadets to an understanding of Army Doctrine and Symbolology. Squad tactics will be covered in classes on Unified Land Operations, Offensive Operations and Defensive Operations. Cadets are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during a weekly lab facilitated by MSL III Cadets and supervised by cadre. (A, CSU, UC)

Change: advisory, description**effective Spring 2025****50 Freshman Leadership Laboratory I, 1 unit, 3 lab hours, (Formerly Military Science 50A).****Prerequisite:** None.

Basic fundamentals of becoming an army officer and adapting to military life. Students will learn and embrace the Army Values and Warrior Ethos while being introduced to the concept of professionalism within the U.S. Army. (A, CSU, UC)

Change: advisory**effective Spring 2025****55 Freshman Leadership Laboratory II, 1 unit, 3 lab hours.****Prerequisite:** None.**Change: advisory****effective Spring 2025****60 Sophomore Leadership Lab I, 1 unit, 3 lab hours, (Formerly Military Science 50B).****Prerequisite:** None.**Change: advisory****effective Spring 2025****65 Sophomore Leadership Laboratory II, 1 unit, 3 lab hours.****Prerequisite:** None.**Music (MUS)****Change: hours****effective Spring 2025****5 Computer Music Production, 3 units, 2.5 lecture hours, 2 lab hours.****Change: hours****effective Spring 2025****5B Music for Film, Television, and Video Games, 3 units, 2.5 lecture hours, 2 lab hours.****Photography (PHOTO)****Change: advisory, description****effective Spring 2025****5 Introduction to Photography, 3 units, 3 lecture hours.****Advisory:** Knowledge of basic computer skills recommended.

This non-lab, beginning photography course introduces the basic principles, practices, and aesthetics of image making using digital cameras. Survey of photography's historical and contemporary role in our multicultural society.

Emphasis on: using the camera, light, and visual language for expressing ideas photographically. Students must provide their own basic camera. (A, CSU-GE, UC)

Change: description

effective Spring 2025

6 Digital Imaging Fundamentals, 3 units, 2 lecture hours, 3 lab hours.

Prerequisite: None.

In this beginner-friendly photography course, the fundamentals of creating images with digital cameras will be explored. The significance of photography in our diverse society and its evolution over time will be discussed. Emphasis will be placed on essential skills such as operating a digital camera manually, understanding light, and using visual elements to convey messages through photos. The focus is on expressing ideas creatively through photography. (A, CSU, UC)

Change: description

effective Spring 2025

12 Beginning Photoshop, 3 units, 2 lecture hours, 3 lab hours, (Photography 22).

Advisory: Basic computer skills recommended.

In the Introduction to Photoshop course, students dive into a range of fun projects and lessons. They'll learn how to work with digital images, organize them neatly, adjust colors and tones, fix minor flaws, and print out their Photoshop creations! (A, CSU, UC)

Change: description

effective Spring 2025

14 Photography for Social Media, 3 units, 2 lecture hours, 3 lab hours.

Prerequisite: None.

This course explores the foundational principles of photography aimed at creating images for social media platforms. It emphasizes the development of visually compelling content tailored to meet the unique requirements of diverse online platforms and client preferences. Additionally, students will examine the cultural and ethical considerations inherent in contemporary online publishing practices. (A, CSU)

Change: description

effective Spring 2025

15 Photography and Visual Literacy, 3 units, 3 lecture hours.

Prerequisite: None.

This course explores the visual grammar and aesthetics of photography, highlighting its role as a universal communication and expression tool. Students will learn about photography's impact on arts and social history, develop visual literacy, and examine how images influence culture. The course covers methods for analyzing and critiquing photos using photographic and critical theory. Emphasizing writing and image creation, students will also learn to critically analyze images and conduct research. (A, CSU, UC)

Change: advisory, description

effective Spring 2025

17 Classic Black and White Photography, 3 units, 2 lecture hours, 3 lab hours, (Formerly Photography 10).

Advisory: Photography 6.

In this class, students will explore the theories and practices of traditional 35mm and 4x5 black and white film photography. They'll learn how to use manual camera controls and accessories creatively, develop film, print photos, and present them professionally. Additionally, the legal and ethical aspects of photography will be discussed. Throughout the course, students will work on projects that focus on making photos aesthetically pleasing and solving photographic challenges using class information. (A, CSU, UC)

Change: prerequisite, advisory, description

effective Spring 2025

18 Advanced Black and White Photography, 3 units, 2 lecture hours, 3 lab hours, (Formerly Photography 20).

Prerequisite: Photography 12 and 17.

In this advanced black-and-white photography course, students will explore different ways of capturing reality through both film and digital black-and-white photography. They'll also get hands-on experience using Adobe Photoshop and other software for various projects. Throughout the course, there's a strong focus on students developing their unique vision, understanding the language of photography, and mastering the techniques needed to create stunning black-and-white prints. (A, CSU, UC)

Change: description

effective Spring 2025

23 Advanced Photoshop, 3 units, 2 lecture hours, 3 lab hours.

Prerequisite: Photography 12 or Graphic Communications 31.

In this advanced Photoshop course, students will learn advanced techniques for enhancing still photographs using computer software. This course will explore how to capture, process, and output images using the latest technologies. Adobe Photoshop will be the main tool for completing real-world assignments and creating a portfolio of digital photography. (A, CSU, UC)

Change: description

effective Spring 2025

26 Lighting Principles, 3 units, 2 lecture hours, 3 lab hours, (Formerly Photography 24 and 35).

Prerequisite: Photography 6.

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

This course covers the qualities, characteristics, and styles of photographic lighting. Students will learn studio lighting techniques and use them to photograph still life subjects. The focus will be on problem-solving and creative self expression through images. (A, CSU)

Change: description

effective Spring 2025

32 Commercial Portraiture, 3 units, 2 lecture hours, 3 lab hours, (Formerly Photography 23 and 25).

Prerequisite: Photography 6. **Advisory:** Photography 12.

In this course, students will explore studio and environmental commercial portraiture. There will be a focus on understanding different styles and the psychology behind body language, lighting, composition, and facial expression in portraits. Throughout the course, students will photograph various subjects, including individuals, couples, and groups. (A, CSU)

Change: description

effective Spring 2025

45 Advanced Projects, 3 units, 2 lecture hours, 3 lab hours.

Prerequisite: Photography 18, 23, 26, or 32.

This course is open to students who have successfully completed the prerequisites for their proposed project. Projects should focus on advanced techniques beyond what is covered in prerequisite courses. Students will conduct research on their chosen topic and present their work and findings to the class. An independent study contract between the instructor and student is mandatory for enrollment. (A, CSU)

Change: title, description

effective Spring 2025

49 Documentary Media, 3 units, 2 lecture hours, 3 lab hours.

Prerequisite: Photography 6.

In this course, there is an emphasis on the art of multimedia storytelling, incorporating a diverse array of mediums, such as still imagery, video, and web-based platforms. Students will learn the intricate process of redefining traditional storytelling paradigms, leveraging factual information as the cornerstone for narrative construction, and how another person's story can be told through their own eyes. Digital composition and editing of stories will be explored and utilized. (A, CSU, UC)

Change: description

effective Spring 2025

52 Adobe Lightroom, 3 units, 2 lecture hours, 3 lab hours, (Formerly Graphic Communications 52).

Prerequisite: None.

This course explores digital image enhancement and management using Adobe Lightroom. There is a focus on improving photos while keeping them safe from any permanent changes, a process known as non-destructive photographic workflow. The main goal will be to enhance the overall tonal quality of your images and to develop a streamlined workflow with Adobe Lightroom. (A, CSU)

Change: description

effective Spring 2025

57 Applied Color and Alternative Photographic Media, 3 units, 2 lecture hours, 3 lab hours.

Prerequisite: Photography 12 or Graphic Communications 31. **Advisory:** Photography 23.

In this course, students will explore and refine their personal artistic vision through hands-on exploration of digital media. A variety of techniques and tools will be used to create photographic images that reflect individual style and perspective. From traditional to experimental approaches, contemporary digital processes will be employed to produce both representational and abstract images. Additionally, color theory and management in photography, and its connection to alternative media, will be explored to aid in achieving artistic goals. (A, CSU, UC)

Change: title, prerequisite, advisory, description

effective Spring 2025

67 Drone Multimedia I, 0.5 unit, 1 lecture hour, 2 lab hours, (9 weeks), (Formerly Photography 267).

Advisory: Photography 6 and students must be able to use both hands to operate and read data on the controller. Students must be able to visually see in flight drone as needed.

In this course, students will be introduced to aerial still and motion capture, covering both photography and video elements. Topics include safety protocols, regulations, industry applications, storytelling techniques, and software output. (A, CSU)

Change: title, prerequisite, description

effective Spring 2025

77 Drone Multimedia II, 3 units, 2 lecture hours, 3 lab hours, (Formerly Photography 277).

Prerequisite: Photography 67.

In this course, students will learn about intermediate uses of unmanned aerial vehicles (UAVs) for digital imaging. Through hands-on activities, and explore high-resolution video capture, aerial imaging, and intelligent mission planning for image capture. Additionally, this course will cover editing, mapping, and other related applications of UAV technology. (A, CSU)

Psychology (PSY)

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Change: description**effective Spring 2025****2 General Psychology, 3 units, 3 lecture hours.****Advisory:** English 1A.

Psychology is the scientific study of behavior and mental processes. The content focuses on the exploration of major psychological theories and concepts, research methods and findings, and the social and cultural influences that affect behavior and mental processes. Topics include the biological bases of behavior, perception, cognition and consciousness, learning, memory, emotion, motivation, human development across the lifespan, personality, social psychology, psychological disorders and types of therapy, and stress and health. (A, CSU-GE, UC, I)

Change: advisory, description**effective Spring 2025****2H Honors General Psychology, 3 units, 3 lecture hours, (Formerly Psychology 7H).**

Advisory: English 1A and meet the qualifications for consideration for acceptance into the Honors Program recommended. See Honors Program listing in college catalog.

Psychology is the scientific study of behavior and mental processes. The content focuses on the exploration of major psychological theories and concepts, research methods and findings, and the social and cultural influences that affect behavior and mental processes. Topics include the biological bases of behavior, perception, cognition and consciousness, learning, memory, emotion, motivation, human development across the lifespan, personality, social psychology, psychological disorders and types of therapy, and stress and health. The Honors section of this course places a greater emphasis on understanding the human being as an integrated physiological, social, and psychological organism and further enriches that perspective with data and theories from related disciplines. (A, CSU-GE, UC, I)

Change: description**effective Spring 2025****5 Social Psychology, 3 units, 3 lecture hours.****Advisory:** English 1A and Psychology 2.

This course focuses on the ways in which psychological, biological, situational, cultural, and gender-related influences affect human thinking and behavior. The topics covered in this course include research methods and ethical principles, the self, social perception, social beliefs and judgments, the relationship between attitudes and behavior, principles and methods of persuasion, conformity and obedience, attraction and intimacy, prosocial behavior and altruism, aggression, prejudice and discrimination, and group influences. The course also will focus on how social psychological research and principles can be applied to address contemporary social issues such as climate change, physical and emotional health, the legal system, conflict and conflict resolution. (A, CSU, UC)

Change: title, description**effective Spring 2025****16 Psychological Disorders, 3 units, 3 lecture hours.****Advisory:** English 1A and Psychology 2.

This course examines the psychological, sociocultural, and biological bases of psychological disorders. Topics include definitions of psychological disorders, current models of etiology, classification, therapy, and prevention, as well as critical analysis of research techniques and findings. (A, CSU, UC)

Change: description**effective Spring 2025****18 The Psychology of Criminal Behavior, 3 units, 3 lecture hours, (See also Criminology 18).****Advisory:** English 1A.

This course explores the biological, psychological, developmental, social, and cultural factors that influence criminal behavior. The course also examines the relationship between psychological disorders and the development of criminal behavior and the extent to which therapy and/or rehabilitation affects recidivism rates. (A, CSU, UC)

Change: advisory, description**effective Spring 2025****25 Human Sexuality, 3 units, 3 lecture hours.****Advisory:** English 1A and Psychology 2.

This course explores human sexual attitudes, behaviors and values in contemporary society from a biological, psychological, social, cultural, historical and lifespan perspective. The topics included in this course include research methods used to study sexuality, the sexual anatomy, physiology and reproductive structures of males and females and related health issues, gender identity and gender roles, contraception and abortion, conception, pregnancy and birth, sexual orientation, attraction and love, relationships and communication, sexual response and variations in sexual behavior, sexual dysfunctions, sexually transmitted infections, the causes and consequences of sexual victimization, atypical sexual behavior, and the commercialization of sex. The topics are presented in an explicit and scientific manner. (A, CSU-GE, UC)

Change: description**effective Spring 2025****33 Personal and Social Adjustment, 3 units, 3 lecture hours.****Advisory:** English 1A.

This course provides students with information about psychological principles and concepts important to their personal and social adjustment, taking into account the influence of factors such as their culture, gender, ethnicity, generational cohort, and socio-economic status. An emphasis is placed on the way in which students can apply psychological research and principles to their everyday lives. Topics include personality, lifespan development, physical and mental health, the effects of stress and stress management, gender roles, interpersonal relationships, sexuality, work, and leisure. (A, CSU-GE, UC)

Indicates new and revised items not included in the August Addendum packet.

+Indicates new and revised items not included in the August and December Addendum packets.

Change: advisory, description**effective Spring 2025****36 Biological Psychology, 3 units, 3 lecture hours.****Prerequisite:** Psychology 2. **Advisory:** English 1A.

This course focuses on biological mechanisms that are central to fundamental concepts and issues of psychology. Topics include basic neuroanatomy, neurophysiology, and genetics; research methods in biological psychology; the physiological mechanisms underlying sensation, perception, consciousness, sleep, emotion, stress, sexual behavior, hunger, eating, language, learning, memory, neurological disorders, psychopharmacology, and psychological disorders; and the influence of environmental and psychological factors on biology. (A, CSU, UC)

Change: advisory, description**effective Spring 2025****45 Introduction to Research Methods in Psychology, 3 units, 3 lecture hours.****Prerequisite:** Psychology 2. Psychology 42, Mathematics 42, or Mathematics 11. **Advisory:** English 1A.

This course surveys various psychological research methods with an emphasis on research design, experimental procedures, descriptive methods, measurement tools, and the collection, analysis, interpretation, and reporting of research data. Research design and methodology will be examined through a review of research in a variety of areas in psychology, within the context of the American Psychological Association's ethical principles and codes of conduct. This course is designed for psychology majors and other students who require familiarity with research methods. (A, CSU, UC)

Punjabi (PUNJABI)

New course**effective Spring 2025****2 High-Beginning Punjabi, 5 units, 5 lecture hours.****Prerequisite:** Punjabi 1. **Advisory:** English 1A.

This is a second-semester course in conversational and written Punjabi. Students will develop grammatical structures, expand their vocabulary, and further develop the language in a cultural context through listening, speaking, reading and writing. Students will acquire a knowledge and an appreciation of the geography, culture, and people of regions where Punjabi is spoken and of Punjabi speakers' contributions to North American and world-wide culture. (A, CSU)

Sociology (SOC)

Change: description**effective Spring 2025****10 Introduction to Aging Studies, 3 units, 3 lecture hours, (See also Human Services 10).****Advisory:** English 1A.

This course presents an overview of social, economic, biological and psychological aspects of aging. Course study includes exploration of challenges and strengths of aging people with emphasis on consumerism, housing, health, leisure time, family roles, retirement, widowhood and sexuality. (A, CSU-GE, UC, I)

Theatre Arts (TA)

Change: hours**effective Spring 2025****45 Kennedy Center American College Theater Festival Topics, 2 units, 2 lecture hours, 6 lab hours, (9 weeks), (Repeats = 3).**

Welding Technology (WELD)

Change: description**effective Spring 2025****83A Robotics, Industrial – Introduction., 3 units, 3 lecture hours, 1 lab hour, (See also Electrical Systems Technology 83A).****Advisory:** Electrical Systems Technology 55A.

This is an introduction to the basic operation, programming, and application of industrial robots. (A, CSU)

Change: hours**effective Spring 2025****130 Precision Measurements, 3 units, 2.5 lecture hours, 1.5 lab hours, (See also Applied Technology 130).**