

Fresno City College
2022-2023
Catalog Addendum
September 2022

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TRANSFER INFORMATION AND REQUIREMENTS

Changes to Pages 42-60

Course Identification Numbering Systems (C-ID)

C-ID Number **Fresno City College Course**

Change: add

MATH 240 Mathematics 17, Differential Equations and Linear Algebra

effective Fall 2022

California State University Transfer Course List (CSU)

Change: add

Physical Education 47B

Physical Education 47C

Registered Nursing 37B

effective Spring 2023

effective Spring 2023

effective Spring 2023

Change: delete

Construction 18

effective Spring 2023

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

Changes to Pages 116-263

AFRICAN-AMERICAN STUDIES

AFRICAN-AMERICAN STUDIES – MAJOR #7640

revised program, Spring 2023

The African American Studies degree is a social science based program designed to focus on the history, heritage, and social culture of African Americans and the African people of the diaspora. African American Studies provides the knowledge and interdisciplinary critical analysis necessary to help students understand, communicate, and appreciate the rich cultural diversity of American society through the study of the African American community.

Associate of Arts

Student Learning Outcomes:

1. Evaluate and analyze the historical and cultural contributions made by African Americans to the economic, social and political systems of the United States.
2. Evaluate and assess the historic roles of Africa and African people throughout the world.
3. Analyze and evaluate contemporary social, political, and economic issues of the African American community.
4. Demonstrate academic success and positive community involvement.

Required Core Courses

		Units
AFRAM 1	Introduction to African American Studies	3
AFRAM 2	African American Cultural Adaptation.....	3
AFRAM 3	African-American Art	3
AFRAM 15	African American Music.....	3

Course Options: Select at least 6 units

		Units
AFRAM 4	Classical African Societies	3
AFRAM 5	The African Diaspora of the Americas.....	3
AFRAM 6	African Cultures and Languages	3
AFRAM 8	African-American Creative Workshop	3
AFRAM 17	African-American Literature.....	3
AFRAM/HIST 34	History of the American Civil Rights Movement	3
AFRAM/WSTS 41	African-American Women's Studies.....	3
ETHNST 10	Introduction to Ethnic Studies.....	3
		Total 18

AUTOMOTIVE TECHNOLOGY

AUTOMOTIVE-DIESEL FIXED OPERATIONS ADMINISTRATOR – MAJOR #8057

new program, Fall 2022

Satisfactory completion of this curriculum prepares the student for employment as a Fixed Operations Administrator.

Certificate of Achievement

Required Courses

		Units
AUTOT 9	Automotive Essentials	3
AUTOT 19	Work Experience (Cooperative), Occupational	4
AUTOT 110A	Automobile Express Service Technician	2
AUTOT 110B	Automobile Service Consultant	2
AUTOT 110C	Automobile Parts Specialist.....	2

Individualized Skill Training (IST) Select One Series:

Individualized Skill Training (IST) – Automotive Technology

		Units
AUTOT 58	Individualized Skills Training (IST) Chassis System I Laboratory, <i>and</i>	
AUTOT 58A	Individualized Skills Training (IST) Chassis System II Laboratory, <i>and</i>	
AUTOT 58B	Individualized Skills Training (IST) Engine/Propulsion Systems Laboratory, <i>and</i>	
AUTOT 58C	Individualized Skills Training (IST) Power Train Systems Laboratory	4

OR

Individualized Skill Training (IST) – Diesel Technology		Units
AUTOT 68	Individualized Skills Training (IST) Truck & Bus Chassis System I Laboratory, <i>and</i>	
AUTOT 68A	Individualized Skills Training (IST) Truck & Bus Chassis System II Laboratory, <i>and</i>	
AUTOT 68B	Individualized Skills Training (IST) Truck & Bus Engine/Propulsion Systems, <i>and</i>	
AUTOT 68C	Individualized Skills Training (IST) Truck & Bus Power Train Systems Laboratory	4
		Total 17

AUTOMOTIVE-DIESEL MLR (MAINTENANCE AND LIGHT REPAIR TECHNICIAN) – MAJOR #8058

new program, Fall 2022

Satisfactory completion of this curriculum prepares the student for employment as a Maintenance and Light Repair (MLR) service technician in the automotive/diesel service facility.

Certificate of Achievement

Required Courses		Units
AUTOT 19	Work Experience (Cooperative), Occupational	4
AUTOT 173	Maintenance and Light Repair - Chassis Systems	8.5
AUTOT 174	Maintenance and Light Repair - Powertrain Systems	8.5

Individualized Skill Training (IST) Select One Series:

Individualized Skill Training (IST) – Automotive Technology		Units
AUTOT 58	Individualized Skills Training (IST) Chassis System I Laboratory, <i>and</i>	
AUTOT 58A	Individualized Skills Training (IST) Chassis System II Laboratory, <i>and</i>	
AUTOT 58B	Individualized Skills Training (IST) Engine/Propulsion Systems Laboratory, <i>and</i>	
AUTOT 58C	Individualized Skills Training (IST) Power Train Systems Laboratory	4

OR

Individualized Skill Training (IST) – Diesel Technology		Units
AUTOT 68	Individualized Skills Training (IST) Truck & Bus Chassis System I Laboratory, <i>and</i>	
AUTOT 68A	Individualized Skills Training (IST) Truck & Bus Chassis System II Laboratory, <i>and</i>	
AUTOT 68B	Individualized Skills Training (IST) Truck & Bus Engine/Propulsion Systems, <i>and</i>	
AUTOT 68C	Individualized Skills Training (IST) Truck & Bus Power Train Systems Laboratory	4
		Total 25

BIOLOGY

BIOLOGY – FORMERLY LIFE SCIENCE DEGREE - MAJOR #6082

revised program, Spring 2023

The Associate Degree in Biology provides a foundation for students wishing to explore or pursue a wide range of fields in the Biological Sciences. The course pathway for this degree is more flexible than the Associate Degree for Transfer in Biology, allowing students to match their non-biological courses to their intended academic or career goal. Students completing this degree will fulfill the core biology requirements for transfer to a CSU or UC, but without the guarantees offered by the Associate Degree for Transfer. Please speak with a transfer counselor for more information about the benefits of the Associate Degree and the Associate Degree for Transfer.

Associate of Science

Student Learning Outcomes:

1. Evaluate scientific literature and apply the scientific method to obtain and interpret data.
2. Describe the classes of organic molecules found in organisms and discuss their importance in biological systems.
3. Understand cellular processes and relate organelle structure to function.
4. Understand the structure and function of genetic material and apply the principles of genetics as they relate to organisms.
5. Appreciate biodiversity and understand the impact of human activity on ecological systems.
6. Explain the mechanisms of evolution and evaluate the scientific evidence to support it.

Required Core – Select One Biology Sequence	Units
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BIOL 11A	Biology for Science Majors I.....	5
BIOL 4	Principles of Zoology, <i>or</i>	
BIOL 6	Principles of Botany, <i>or</i>	
BIOL 11B	Biology for Science Majors II.....	5

Required Core – Select One Chemistry Course **Units**

CHEM 1A	General Chemistry I.....	5
CHEM 3A	Introductory General Chemistry.....	4

Electives: Choose one to two courses from the following to make a minimum of 18 units total (Note: BIOL 4 or 6 can be used if they have not been used to complete the core requirement): **Units**

BIOL 4	Principles of Zoology.....	5
BIOL 5	Human Biology.....	4
BIOL 6	Principles of Botany.....	5
BIOL 7	Field Biology.....	5
BIOL 14	Conservation Biology.....	3
BIOL 31	Microbiology.....	5
BIOL 46	Elementary Horticulture.....	4
CHEM 1B	General Chemistry II.....	5
CHEM 3B	Introductory Organic & Biological Chemistry.....	4
GEOL 2	Historical Geology.....	3
GEOL 5	Introduction to Oceanography.....	3
GEOL 12	Environmental Science.....	3
		Total 18-20

BIOLOGY FOR TRANSFER - MAJOR #6082

revised program, Spring 2023

The goal of the Associate in Science in Biology for Transfer program at Fresno City College is to award students with an associate degree, and provide them with special benefits/guarantees upon transfer to a CSU baccalaureate program in Biology. This degree may also prepare students to transfer into a UC baccalaureate program in Biology. To earn the Associate in Science in Biology for Transfer, students must complete 60 semester units or 90 quarter 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 or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0.” ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. Local graduation requirements are not required for the transfer degree. Please speak with a transfer counselor for more information about the benefits of the Associate of Science in Biology for Transfer and the Associate of Science degree.

Associate in Science

Student Learning Outcomes:

1. Evaluate scientific literature and apply the scientific method to obtain and interpret data.
2. Understand the function of organic molecules in biological systems and relate organelle structure to cellular function.
3. Understand the structure and function of genetic material and apply the principles of genetics as they relate to organisms.
4. Understand the biodiversity of life on earth based on modern classification systems.
5. Understand the ecological relationships between organisms and the environment, and the impact of human activity on ecological systems.
6. Understand the scientific evidence for evolution and explain the mechanisms leading to evolutionary change over time.

Required Course		Units
BIOL 11A	Biology for Science Majors I.....	5

Select one sequence: **Units**

BIOL 11B	Biology for Science Majors II, <i>or</i>	
BIOL 4	Principles of Zoology, <i>and</i>	
BIOL 6	Principles of Botany.....	5-10

Chemistry and Mathematics Requirements: **Units**

CHEM 1A	General Chemistry I.....	5
CHEM 1B	General Chemistry II.....	5
MATH 5A	Mathematical Analysis I.....	5

Select One Physics Sequence: **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 33-38

CHEMISTRY

UCTP CHEMISTRY – MAJOR #6321

new program, Fall 2022

An Associate in Science in Chemistry for UC Transfer is designed for students who plan to complete a Bachelor's degree in a similar major at a UC campus. Within the Associate in Science in Chemistry for UC Transfer program, students learn how to apply appropriate theories and techniques to solve quantitative and qualitative problems. The program develops students' ability to collect, record, organize, analyze, critically evaluate, and interpret chemical information and data. The program also develops computational and critical thinking skills, and effective scientific communication. These skills and set of knowledge are valuable to students transferring to a UC to major in Chemistry. It also enhances students' preparation to earn a graduate degree as well as for a wide range of rewarding careers. For more information on university admission and transfer requirements, students should consult a counselor.

Associate in Science

Student Learning Outcomes:

1. Apply appropriate theories and techniques to solve quantitative and qualitative problems.
2. Apply computational and critical thinking skills.
3. Collect, record, organize, analyze, critically evaluate, and interpret chemical information and data.
4. Communicate effectively scientific information.

Required Core Courses

General Chemistry for Science Majors		Units
CHEM 1A	General Chemistry	5
CHEM 1B	General Chemistry and Qualitative Analysis	5
Organic Chemistry for Science Majors		Units
CHEM 28A	Organic Chemistry I.....	3
CHEM 28B	Organic Chemistry II.....	3
CHEM 29A	Organic Chemistry Laboratory I	2
CHEM 29B	Organic Chemistry Laboratory II	2
Calculus-Based Physics for Science Majors		Units
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4
MATH 5A	Mathematical Analysis I.....	5
MATH 5B	Mathematical Analysis II.....	4
MATH 6	Mathematical Analysis III.....	4
MATH 7	Introduction to Differential Equations.....	4
IGETC General Education Requirements		Units
Area 1A	Freshman Composition.....	3
Area 1B	Critical Thinking	3
Area 3	Arts and Humanities	3
Area 4	Social and Behavior Sciences	3
Area 5B	Biological Science.....	4
Area 6	Language other than English	4
		Total 69

CHEMISTRY – MAJOR #6320

revised program, Spring 2023

Chemistry is often called the "central science" since it draws from mathematics and physics and forms a necessary background for quality control programs in industry and agriculture, and criminal evidence analysis in forensics. To earn the Certificate in Chemistry, students must complete a minimum of 17 semester units of program required classes. Students must maintain a minimum 2.0 GPA, including grades of C or higher in the courses taken to fulfill the certificate. This is not a transfer degree program. Students should consult with a counselor when planning to complete the certificate for more information. After earning a chemistry certificate, students will have the knowledge and skills required to enter the workforce as a chemical technician. These will include laboratory skills (bench-top and instrument operation), computational skills, and communication skills. There are currently no other similar programs within the State Center Community College District. There are not any enrollment limitations. The prerequisite courses vary for each individual class.

Certificate of Achievement

Student Learning Outcomes:

1. As a result of the program, students will demonstrate laboratory skills to be successful in subsequent courses and/or on the job.

2. As a result of the program, students will master concept and content to be successful in subsequent courses and/or on the job.
3. As a result of the program, students will master computational skills to be successful in subsequent courses and/or on the job.
4. As a result of the program, students will effectively communicate the results of chemistry laboratory investigations.

Required Core Courses		Units
CHEM 1A	General Chemistry I	5
CHEM 8A	Elementary Organic Chemistry, <i>or</i>	
CHEM 28A	Organic Chemistry I.....	3
CHEM 18L	Elementary Organic Chemistry Lab.....	2
CHEM 20	Practical Quantitative Analysis	5
CHEM 100I	Chemical Laboratory Internship	2-6
		Total 17-21

CONSTRUCTION

CONSTRUCTION – MAJOR #8091

revised program, Spring 2023

The construction curriculum is designed to provide students with hands-on training strengthened with technical information that will prepare them for entry into the construction industry or for their own personal construction projects. Specialty courses are available in Plumbing and Electrical to give students a greater depth of knowledge in construction.

Associate of Science

Student Learning Outcomes:

1. Construct foundation forms for a slab on grade.
2. Correctly install vinyl windows in a newly framed residence.
3. Correctly install and finish drywall.
4. Install pre-hung doors.
5. Lay out and square a building foundation.
6. Install roof sheathing.

First Year – First Semester		Units
ARCH 12	Architectural Practice I	2
AT 21	Occupational Safety and Health	2
CONS 50	Basic Residential Construction, <i>or</i>	
CONS 50A	Basic Residential Construction, <i>and</i>	
CONS 50B	Basic Residential Construction.....	3-6
CONS 51	Residential Construction: Foundations and Framing.....	8
CONS 56A	Residential Plumbing 1, <i>or</i>	
CONS 175A	Residential Wiring 1	3

First Year – Second Semester		Units
ARCH 21	Materials of Construction.....	3
ARCH 22	Architectural Practice II	3
CONS 53	Residential Construction: Exterior and Interior Finish	8
CONS 55	Roof Framing Systems.....	3
CONS 56B	Residential Plumbing 2, <i>or</i>	
CONS 175B	Residential Wiring 2	3
		Total 38-41

CONSTRUCTION TRADES I – FORMERLY RESIDENTIAL CONSTRUCTION – MAJOR #8092

revised program, Spring 2023

The construction curriculum in this program is designed to provide students with hands-on training and technical information that will prepare them for entry into the construction industry or for personal construction projects.

Certificate of Achievement

Student Learning Outcomes:

1. Students will participate in the construction of a complete residential structure.
2. Students will participate in correct installation of roof trusses.
3. Students will construct wall framing according to trade practices and instructor's satisfaction.
4. Students will experience slab on grade installation according to trade practices and instructor's satisfaction.

First Year – First Semester		Units
CONS 50	Basic Residential Construction, <i>or</i>	
CONS 50A	Basic Residential Construction, <i>and</i>	
CONS 50B	Basic Residential Construction.....	3-6

CONS 51 Residential Construction: Foundations and Framing..... 8

First Year – Second Semester Units

CONS 53 Residential Construction: Exterior and Interior Finish 8

Total 19-22

CONSTRUCTION TRADES II – FORMERLY CONSTRUCTION – MAJOR #8091

revised program, Spring 2023

The construction curriculum is designed to provide students with hands-on training strengthened with technical information that will prepare them for entry into the construction industry or for their own personal construction projects. Specialty courses are available in Plumbing and Electrical to give students a greater depth of knowledge in construction.

Certificate of Achievement

Student Learning Outcomes:

1. Install roof sheathing.
2. Correctly install vinyl windows in a newly framed residence.
3. Correctly install vinyl windows in a newly framed residence.
4. Correctly install and finish drywall.
5. Install pre-hung doors.
6. Lay out and square a building foundation.
7. Rough wire a residential building to trade practices and code requirements.
8. Install finish electrical apparatus.

First Year – First Semester Units

ARCH 12 Architectural Practice I 2

AT 21 Occupational Safety and Health 2

CONS 50 Basic Residential Construction, *or*

CONS 50A Basic Residential Construction, *and*

CONS 50B Basic Residential Construction..... 3-6

CONS 51 Residential Construction: Foundations and Framing..... 8

CONS 56A Residential Plumbing 1, *or*

CONS 175A Residential Wiring 1 3

First Year – Second Semester Units

ARCH 21 Materials of Construction..... 3

ARCH 22 Architectural Practice II 3

CONS 53 Residential Construction: Exterior and Interior Finish 8

CONS 55 Roof Framing Systems..... 3

CONS 56B Residential Plumbing 2, *or*

CONS 175B Residential Wiring 2 3

Total 38-41

RESIDENTIAL CONSTRUCTION WIRING – MAJOR #8092

revised program, Spring 2023

The construction curriculum is designed to provide students with technical and hands-on training in residential wiring including introduction to the National Electrical Code.

Certificate

Student Learning Outcomes:

1. Rough wire a residential building to trade practices and code requirements.
2. Interpret the NEC as it pertains to residential wiring and apply those requirements.
3. Install finish electrical apparatus.

First Year – First Semester Units

CONS 175A Residential Wiring 1 3

First Year – Second Semester Units

CONS 175B Residential Wiring 2 3

Total 6

CRIMINOLOGY

CORRECTIONAL SCIENCE OPTION – MAJOR #7731

revised program, Spring 2023

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 & 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	Indo-Chinese Americans, <i>or</i>	
ASAMER 15	Introduction to Asian-Americans, <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, <i>or</i>	
CLS 30	Migration and the Family: Social and Psychological Perspectives.....	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 (Cooperative), Occupational	3
CRIM 23	Correctional Interviewing and Counseling.....	3
CRIM 24	Control and Supervision in Corrections	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	Abnormal Psychology.....	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

CORRECTIONAL SCIENCE OPTION – MAJOR #7731

revised program, Spring 2023

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 & 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	Indo-Chinese Americans, <i>or</i>	
ASAMER 15	Introduction to Asian-Americans, <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, <i>or</i>	
CLS 30	Migration and the Family: Social and Psychological Perspectives	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 (Cooperative), Occupational	3
CRIM 23	Correctional Interviewing and Counseling	3
CRIM 24	Control and Supervision in Corrections	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	Abnormal Psychology.....	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

LAW ENFORCEMENT OPTION – MAJOR #8872

revised program, Spring 2023

This degree is designed for students considering careers as a police officer, deputy sheriff, or highway patrol officers.

Associate of Science

Student Learning Outcomes:

1. Describe the development and history of law enforcement in the western world.
2. Compare and contrast legal and constitutional issues.
3. Compare and contrast components of the American criminal justice system.

Required Core Courses		Units
CRIM 1	Introduction to Criminology.....	3
CRIM 5	Community Relations	3
CRIM 6	Concepts of Criminal Law	3
CRIM 7	Concepts of Enforcement Services	3
CRIM 8	Criminal Investigation.....	4
CRIM 12	Criminal Justice Communications	3
CRIM 15	Introduction to Police Ethics	3

Course Options: Select 9 Units		Units
AFRAM 1	Introduction to African American Studies, <i>or</i>	
AFRAM 4	Classical African Societies	3
AMIND 31	American Indian Culture, <i>or</i>	
AMIND 34	The American Indian in Contemporary Society	3
CLS 11	Introduction to Chicano-Latino Studies, <i>or</i>	
CLS/SOC 14	Sociology of the Mexican American Community	3
CRIM 3	Legal Aspects of Evidence	3
CRIM 9	Crime Scene Forensic Evidence	3
CRIM 11	Juvenile Delinquency	3
CRIM 13	The Constitution and Your Individual Rights	3
CRIM 19	Work Experience (Cooperative), Occupational	3
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
SOC 2	American Minority Groups.....	3
WSTS 10	Changing Roles of Women	3
		Total 31

LAW ENFORCEMENT OPTION – MAJOR #8872

revised program, Spring 2023

This certificate of achievement is designed for students considering careers as a police officer, deputy sheriff, or highway patrol officers.

Certificate of Achievement

Student Learning Outcomes:

1. Describe the development and history of law enforcement in the western world.
2. Compare and contrast legal and constitutional issues.
3. Compare and contrast components of the American criminal justice system.

Required Core Courses		Units
CRIM 1	Introduction to Criminology.....	3
CRIM 5	Community Relations	3
CRIM 6	Concepts of Criminal Law	3
CRIM 7	Concepts of Enforcement Services	3
CRIM 8	Criminal Investigation	4
CRIM 12	Criminal Justice Communications	3
CRIM 15	Introduction to Police Ethics	3

Course Options: Select 9 Units		Units
AFRAM 1	Introduction to African American Studies, <i>or</i>	
AFRAM 4	Classical African Societies	3
AMIND 31	American Indian Culture, <i>or</i>	
AMIND 34	The American Indian in Contemporary Society	3
CLS 11	Introduction to Chicano-Latino Studies, <i>or</i>	
CLS/SOC 14	Sociology of the Mexican American Community	3
CRIM 3	Legal Aspects of Evidence	3
CRIM 9	Crime Scene Forensic Evidence	3
CRIM 11	Juvenile Delinquency	3
CRIM 13	The Constitution and Your Individual Rights	3
CRIM 19	Work Experience (Cooperative), Occupational	3
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
SOC 2	American Minority Groups.....	3
WSTS 10	Changing Roles of Women	3
		Total 31

CULTURAL STUDIES

SOCIAL JUSTICE STUDIES, GENERAL FOR TRANSFER – MAJOR #7663

revised program, Spring 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 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-Americans, <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 and 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 Indo-Chinese Americans	3
ASAMER 15 Introduction to Asian-Americans	3
CLS 12A Mexican American History: From Mesoamerica to 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 13 Politics and the Chicano-Latino Community	3
CLS 14 Sociology of the Mexican American Community	3
CLS/WSTS 24 La Chicana and Latina	3

Total 18-19

SPECIAL EDUCATION PARAPROFESSIONAL – MAJOR #5913

program correction, Fall 2022

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

Certificate of Achievement

Student Learning Outcome:

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

Required Core Courses

	Units
CHDEV 39 Child Growth and Development	3
COMM 1 Introduction to Public Speaking	3
EDUC 6 Introduction to Special Education	3
EDUC 7 Exceptional Learners.....	3
EDUC 10 Introduction to Teaching With Classroom Fieldwork, <i>or</i>	
EDUC 30 Introduction to Teaching, <i>and</i>	
EDUC 19/19X Work Experience (Cooperative),Occupational	3-4
ENGL 1A/1AH Reading and Composition, <i>or</i>	
Honors Reading and Composition	4
MATH 10A Structure and Concepts in Mathematics I, <i>or</i>	
MATH 103 Foundations of Algebra	3-4
Required additional 24-26 units of transfer level courses to total 48 units.	
Total 48	

ENGINEERING

ENGINEERING: CIVIL – MAJOR #3011

revised program, Spring 2023

This degree program is designed as basic coursework necessary for pursuing a career in the field of civil engineering. Students will be prepared for engineering internship opportunities and transferring into four-year engineering programs.

Associate of Science

Student Learning Outcomes:

1. An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline.
2. An ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline.
3. An ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature.
4. An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes.
5. An ability to function effectively as a member or leader on a technical team.

Required Core Courses

	Units
ENGR 5 Programming and Problem Solving in MATLAB.....	3
ENGR 10 Introduction to Engineering	2
MATH 5A Mathematical Analysis I.....	5
MATH 5B Mathematical Analysis II.....	4
MATH 6 Mathematical Analysis III.....	4
PHYS 4A Physics for Scientists and Engineers	4
PHYS 4B Physics for Scientists and Engineers	4

Civil Track: Select a minimum of 4 courses

	Units
CHEM 1A General Chemistry I	5
ENGR 1A Elementary Plane Surveying 1	4
ENGR 2 Graphics.....	4
ENGR 4 Engineering Materials.....	3
ENGR 8 Statics	3
GEOL 1 Physical Geology	4
MATH 7 Introduction to Differential Equations, <i>or</i>	

MATH 17	Differential Equations and Linear Algebra.....	4-5
PHYS 4C	Physics for Scientists and Engineers	4
		Total 40-44

ENGINEERING: CIVIL – MAJOR #3011

revised program, Spring 2023

This certificate of achievement is designed as basic coursework necessary for pursuing a career in the field of civil engineering.

Certificate of Achievement

Student Learning Outcomes:

1. An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline.
2. An ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline.
3. An ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature.
4. An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes.
5. An ability to function effectively as a member or leader on a technical team.

Required Core Courses

		Units
ENGR 5	Programming and Problem Solving in MATLAB.....	3
ENGR 10	Introduction to Engineering	2
MATH 5A	Mathematical Analysis I.....	5
MATH 5B	Mathematical Analysis II.....	4
MATH 6	Mathematical Analysis III.....	4
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4

Civil Track: Select a minimum of 4 courses

		Units
CHEM 1A	General Chemistry I	5
ENGR 1A	Elementary Plane Surveying 1	4
ENGR 2	Graphics.....	4
ENGR 4	Engineering Materials.....	3
ENGR 8	Statics	3
GEOLOG 1	Physical Geology	4
MATH 7	Introduction to Differential Equations, <i>or</i>	
MATH 17	Differential Equations and Linear Algebra.....	4-5
PHYS 4C	Physics for Scientists and Engineers	4
		Total 40-44

ENGINEERING: ELECTRICAL – MAJOR #3013

revised program, Spring 2023

This degree program is designed as basic coursework necessary for pursuing a career in the field of electrical engineering. Students will be prepared for engineering internship opportunities and transferring to four-year engineering programs.

Associate of Science

Student Learning Outcomes:

1. An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline.
2. An ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline.
3. An ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature.
4. An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes.
5. An ability to function effectively as a member or leader on a technical team.

Required Core Courses

		Units
ENGR 5	Programming and Problem Solving in MATLAB.....	3
ENGR 10	Introduction to Engineering	2
MATH 5A	Mathematical Analysis I.....	5
MATH 5B	Mathematical Analysis II.....	4
MATH 6	Mathematical Analysis III.....	4
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4

Electrical Track: Select a minimum of 4 courses		Units
CHEM 1A	General Chemistry I	5
CSCI 40	Programming Concepts and Methodology I	4
ENGR 6	Circuits with Lab	4
ENGR 12	Digital Logic Design.....	4
MATH 7	Introduction to Differential Equations, <i>or</i>	
MATH 17	Differential Equations and Linear Algebra	4-5
PHYS 4C	Physics for Scientists and Engineers	4
		Total 42-44

ENGINEERING: ELECTRICAL – MAJOR #3013

revised program, Spring 2023

This certificate of achievement is designed as basic coursework necessary for pursuing a career in the field of electrical engineering.

Certificate of Achievement

Student Learning Outcomes:

1. An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline.
2. An ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline.
3. An ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature.
4. An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes.
5. An ability to function effectively as a member or leader on a technical team.

Required Core Courses		Units
ENGR 5	Programming and Problem Solving in MATLAB.....	3
ENGR 10	Introduction to Engineering	2
MATH 5A	Mathematical Analysis I.....	5
MATH 5B	Mathematical Analysis II.....	4
MATH 6	Mathematical Analysis III.....	4
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4

Electrical Track: Select a minimum of 4 courses		Units
CHEM 1A	General Chemistry I	5
CSCI 40	Programming Concepts and Methodology I	4
ENGR 6	Circuits with Lab	4
ENGR 12	Digital Logic Design.....	4
MATH 7	Introduction to Differential Equations, <i>or</i>	
MATH 17	Differential Equations and Linear Algebra	4-5
PHYS 4C	Physics for Scientists and Engineers	4
		Total 42-44

ENGINEERING: MECHANICAL, AEROSPACE, AND MANUFACTURING – MAJOR #3014

revised program, Spring 2023

This degree program is designed as basic coursework necessary for pursuing a career in the field of mechanical, aerospace, or manufacturing engineering. Students will be prepared for engineering internship opportunities and transferring into four-year engineering programs.

Associate of Science

Student Learning Outcomes:

1. An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline.
2. An ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline.
3. An ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature.
4. An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes.
5. An ability to function effectively as a member or leader on a technical team.

Required Core Courses		Units
ENGR 5	Programming and Problem Solving in MATLAB.....	3

ENGR 10	Introduction to Engineering	2
MATH 5A	Mathematical Analysis I.....	5
MATH 5B	Mathematical Analysis II.....	4
MATH 6	Mathematical Analysis III.....	4
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4

Mechanical, Aerospace, and Manufacturing Track: Select a minimum of 4 courses

	Units	
CHEM 1A	General Chemistry I	5
ENGR 2	Graphics.....	4
ENGR 4	Engineering Materials.....	3
ENGR 6	Circuits with Lab.....	4
ENGR 8	Statics	3
ENGR 11	Manufacturing Processes.....	3
MATH 7	Introduction to Differential Equations, <i>or</i>	
MATH 17	Differential Equations and Linear Algebra	4-5
PHYS 4C	Physics for Scientists and Engineers	4
Total 39-44		

ENGINEERING: MECHANICAL, AEROSPACE, AND MANUFACTURING – MAJOR #3014

revised program, Spring 2023

This certificate of achievement is designed as basic coursework necessary for pursuing a career in the field of mechanical, aerospace, and manufacturing engineering.

Certificate of Achievement

Student Learning Outcomes:

1. An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline.
2. An ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline.
3. An ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature.
4. An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes.
5. An ability to function effectively as a member or leader on a technical team.

Required Core Courses

	Units	
ENGR 5	Programming and Problem Solving in MATLAB.....	3
ENGR 10	Introduction to Engineering	2
MATH 5A	Mathematical Analysis I.....	5
MATH 5B	Mathematical Analysis II.....	4
MATH 6	Mathematical Analysis III.....	4
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4

Mechanical, Aerospace, and Manufacturing Track: Select a minimum of 4 courses

	Units	
CHEM 1A	General Chemistry I	5
ENGR 2	Graphics.....	4
ENGR 4	Engineering Materials.....	3
ENGR 6	Circuits with Lab.....	4
ENGR 8	Statics	3
ENGR 11	Manufacturing Processes.....	3
MATH 7	Introduction to Differential Equations, <i>or</i>	
MATH 17	Differential Equations and Linear Algebra	4-5
PHYS 4C	Physics for Scientists and Engineers	4
Total 39-44		

FOOD AND NUTRITION

NUTRITION AND DIETETICS FOR TRANSFER – MAJOR #5683

revised program, Spring 2023

The Associate in Science in Nutrition and Dietetics for Transfer is designed for students who plan to transfer to a CSU 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 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.
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

GENERAL EDUCATION

CSU-GE BREADTH – MAJOR #5010

revised program, Spring 2023

The certificate of achievement in CSU GE provides students with an introduction to the breadth and depth of liberal arts and science with an emphasis in global perspectives. It provides students with a foundation in the liberal arts and sciences and prepares them for specialized study in a particular discipline or program. CSU Certification is not automatic, please request certification through Admission and Records. This Certificate of Achievement will allow the student to complete the lower division general education required courses but does not meet all the requirements for transfer (see Note). A course or sequence of courses used to satisfy a requirement in one area may not be used to satisfy a requirement in another area. Students should check with a counselor and review the FCC college catalog for further clarification. Note: The CSU Certificate of Achievement only confirms completing CSU general education requirements and does not meet Associate Degree or transfer admission requirements.

Certificate of Achievement

Student Learning Outcomes:

1. Evaluate and apply a global understanding of the liberal arts and sciences.

AREA A: ENGLISH LANGUAGE COMMUNICATION AND CRITICAL THINKING - Nine semester units minimum with one course from A1, A2, and A3 ("C" or better grade required in A1, A2, and A3).

Area A1 - Oral Communication		Units
COMM 1	Introduction to Public Speaking	3
COMM 2	Interpersonal Communication	3
COMM 4	Persuasion	3
COMM 8/8H	Group Communication, <i>or</i> Honors Group Communication	3

Area A2 - Written Communication		Units
ENGL 1A/1AH	Reading and Composition, <i>or</i> Honors Reading and Composition	4

Area A3 - Critical Thinking		Units
COMM 25	Argumentation	3
CRIM 13	The Constitution and Your Individual Rights	3
ENGL 3/3H	Critical Reading & Writing, <i>or</i> Honors Critical Reading & Writing	3
PHIL 2/2H	Critical Reasoning and Analytic Writing, <i>or</i> Honors Critical Reasoning and Analytic Writing	3
PHIL 6	Introduction to Logic	3
POLSCI 13	Legal and Judicial Reasoning	3

AREA B: SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING –
Nine semester units minimum with at least one course in B1, B2, and
B4 ("C" or better grade required in B4). One course in B1 or B2 must
contain a lab component or be accompanied by a course in B3.

Area B1 - Physical Science		Units
ASTRO 10	Basic Astronomy	3
CHEM 1A	General Chemistry I	5
CHEM 1B	General Chemistry II	5
CHEM 3A	Introductory General Chemistry	4
CHEM 3B	Introductory Organic & Biological Chemistry	4
CHEM 8A	Elementary Organic Chemistry	3
CHEM 28A	Organic Chemistry I.....	3
CHEM 28B	Organic Chemistry II.....	3
GEOG 1	Physical Geography	4
GEOG 7	Physical Geography: Earth's Surface.....	4
GEOG 8	Physical Geography: Weather and Climate.....	4
GEOL 1	Physical Geology	4
GEOL 2	Historical Geology	3
GEOL 4	Geology of California.....	3
GEOL 5	Introduction to Oceanography	3
GEOL 12	Environmental Science.....	3
NATSCI 1A	Integrated Science: Physics and Chemistry	4
PHYS 2A	General Physics 1	4
PHYS 2B	General Physics 2	4
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4
PHYS 11	Introductory Physical Science	3

Area B2 - Life Science		Units
ANTHRO 1	Biological Anthropology	3
BIOL 3	Introduction to Life Science	4
BIOL 4	Principles of Zoology	5
BIOL 5	Human Biology	4
BIOL 6	Principles of Botany.....	5
BIOL 7	Field Biology.....	5
BIOL 11A	Biology for Science Majors I	5
BIOL 11B	Biology for Science Majors II	5
BIOL 14	Conservation Biology	3
BIOL 20	Human Anatomy	4
BIOL 21A	Human Anatomy & Physiology I.....	4
BIOL 21B	Human Anatomy & Physiology II	5
BIOL 22	Human Physiology	5
BIOL 31	Microbiology	5
BIOL 55	Introduction to the Biology of Humans.....	3

Area B3 - Laboratory Activity		Units
ANTHRO 1L	Biological Anthropology Laboratory.....	1
CHEM 1A	General Chemistry I	5
CHEM 3A	Introductory General Chemistry	4
CHEM 29A	Organic Chemistry Laboratory I	2
CHEM 29B	Organic Chemistry Lab II.....	2
GEOG 1	Physical Geography	4
GEOL 2L	Historical Geology Lab	1
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4

PHYS 4C Physics for Scientists and Engineers 4

Area B4 - Mathematics/Quantitative Reasoning **Units**

CSCI 26	Discrete Mathematics for Computer Science	4
DS 21	Finite Mathematics	3
DS 23	Business Statistics	3
MATH 3A	College Algebra.....	4
MATH 4A	Trigonometry	4
MATH 4B	Pre-Calculus.....	4
MATH 5A	Mathematical Analysis I.....	5
MATH 5B	Mathematical Analysis II	4
MATH 6	Mathematical Analysis III.....	4
MATH 10A	Structure and Concepts in Mathematics I.....	3
MATH 10B	Structure and Concepts in Mathematics II.....	3
MATH 11/11H	Elementary Statistics, <i>or</i> Honors Elementary Statistics	4
MATH 17	Differential Equations and Linear Algebra	5
MATH 21	Finite Mathematics	3
MATH 26	Elementary Linear Algebra.....	3
MATH/PSY 42	Statistics for the Behavioral Sciences	4
MATH 45	Contemporary Mathematics	3

**AREA C: ARTS AND HUMANITIES - Nine semester units minimum
with at least one course each from C1 and C2.**

Area C1 - Arts **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
ARCH 15A	History of Architecture I	3
ARCH 15B	History of Architecture II	3
ART 2	Art Appreciation.....	3
ART 3	Two-Dimensional Design	3
ART 5/5H	Art History Ancient to Medieval, <i>or</i> Honors Art History Ancient to Medieval.....	3
ART 6/6H	Art History Renaissance to Modern, <i>or</i> Honors Art History Renaissance to Modern	3
ART 7	Beginning Drawing	3
ART 9	Beginning Painting: Oil/Acrylic	3
ART 10	Beginning Ceramics	3
ART 11	Beginning Sculpture	3
ART 12A	Craft Workshop: Living Traditions	3
ART 12B	Intermediate Craft Workshop: Living Traditions	3
ART 14	Beginning Printmaking	3
ART 15	Ceramic Sculpture.....	3
ART 17	Intermediate Drawing	3
ART/ASAMER 55	Introduction to Asian Art.....	3
ART 60/CLS 22	Art of the Ancient Americas.....	3
ART 70	Modern and Contemporary Art.....	3
CLS/DANCE 17A	Beginning Mexican Folk Dance.....	3.5
CLS 20	Chicano Art	3
CLS/DANCE 27B	Advanced Mexican Folk Dance	3.5
DANCE 30	Dance Appreciation	3
FILM 1	Introduction to Film Studies.....	3
FILM 2A	History of Cinema 1895-1960.....	3
FILM 2B	History of Cinema 1960-Present	3
FILM 6	Film Genres.....	3
MUS 3	Music Fundamentals	3
MUS 12	Music Appreciation	3
MUS 13	History of Music.....	3
MUS 15	World Music Survey	3
MUS 16	Jazz History and Appreciation.....	3
MUS 17	History of Rock.....	3
PHOTO 5	Introduction to Photography	3
TA/COMM 12	Fundamentals of Oral Interpretation.....	3
TA 30	Theatre Appreciation.....	3
TA 31	Theatre History and Dramatic Literature I	3
TA 44A	Actors Workshop.....	3

Area C2 - Humanities	Units
ARMEN 1	Beginning Armenian 5
ARMEN 2	High-Beginning Armenian 5
ASAMER 8	Chinese Culture 3
ASL 1	Beginning American Sign Language 4
ASL 2	High-Beginning American Sign Language 4
ASL 3	Intermediate American Sign Language 4
ASL 4	High-Intermediate American Sign Language 4
ASL 5	Deaf Culture 3
ASL 7	Deaf History 3
ASL 8	American Sign Language Literature/Folklore 3
CHIN 1	Beginning Chinese 5
CHIN 2	High-Beginning Chinese 5
CLS 21	Chicano Literature 3
ENGL 1B	Introduction to the Study of Literature 3
ENGL 12	The Bible as Literature 3
ENGL 14	Folklore 3
ENGL 15A	Creative Writing: Poetry 3
ENGL 15B	Creative Writing: Fiction 3
ENGL/AFRAM 17	African-American Literature 3
ENGL/WSTS 36	Women's Literature 3
ENGL 40	Themes in Literature 3
ENGL/HUMAN 42	Classic Myths 3
ENGL 44A	Survey of World Literature to the Mid-Seventeenth Century 3
ENGL 44B	Survey of World Literature from Mid-Seventeenth Century to 1950 3
ENGL 45	Contemporary World Literature 3
ENGL 46A	English Literature to 1800 3
ENGL 46B	English Literature from 1800 to the Present 3
ENGL 47	Introduction to Shakespeare 3
ENGL 48A	Introduction to American Literature to 1865 3
ENGL 48B	Introduction to American Literature 1865 to the Present 3
FILM 1	Introduction to Film Studies 3
FILM 2A	History of Cinema 1895-1960 3
FILM 2B	History of Cinema 1960-Present 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
HIST 1	Western Civilization to 1648 3
HIST 2	Western Civilization Since 1648 3
HMONG 1	Beginning Hmong 5
HMONG 2	High-Beginning Hmong 5
HUMAN 10	Classical Humanities 3
HUMAN 11	Modern Humanities 3
JAPAN 1	Beginning Japanese 5
JAPAN 2	High-Beginning Japanese 5
LING 10/10H	Introduction to Language, <i>or</i> Honors Introduction to Language 3
PHIL 1A/1AH	Theories of Knowledge and Reality, <i>or</i> Honors Theories of Knowledge and Reality 3
PHIL 1B	Social and Political Philosophy 3
PHIL 1C/1CH	Ethics, <i>or</i> Honors Ethics 3
PHIL 3A	Ancient Philosophy 3
PHIL 3B	Modern Philosophy 3
POLSCI 3	Introduction to Political Theory and Thought 3
PORT 1	Beginning Portuguese 5
PORT 2	High-Beginning Portuguese 5
SPAN 1	Beginning Spanish 5
SPAN 2	High-Beginning Spanish 5
SPAN 2NS	Preparatory Spanish for Native Speakers 5
SPAN 3	Intermediate Spanish 5
SPAN 3NS	Intermediate Spanish for Spanish Speakers 5
SPAN 4	High-Intermediate Spanish 5
SPAN 4NS	High-Intermediate Spanish for Spanish Speakers 5
SPAN 5	The Short Story: Mexico, Spain, and the U.S. 4

SPAN 6	The Short Story: Latin America	4
SPAN 7	Advanced Spanish: Composition and Grammar	4
SPAN 9	Spanish Business and Culture	4
SPAN 41	Introduction to Poetry in Spanish	4
SPAN 42	Hispanic American Culture	4
TA 32	Theatre History and Dramatic Literature II	3

AREA D: SOCIAL SCIENCES - Six semester units minimum. Units

AFRAM 1	Introduction to African American Studies	3
AFRAM 4	Classical African Societies	3
AFRAM/HIST 34	History of the American Civil Rights Movement	3
AMIND 31	American Indian Culture.....	3
AMIND 34	The American Indian in Contemporary Society	3
ANTHRO 2/2H	Cultural Anthropology, <i>or</i> Honors Cultural Anthropology	3
ANTHRO 3	Archaeology and World Prehistory	3
ANTHRO 4	Introduction to Archaeology.....	3
ANTHRO 8	Language and Culture.....	3
ANTHRO 12	Visual Anthropology: Introduction to Ethnographic Film	3
ASAMER 1	Indo-Chinese Americans	3
ASAMER 10	Hmong Culture	3
ASAMER 15	Introduction to Asian-Americans	3
ASAMER 25	Asian American Social Issues	3
BA 20	Law and the Legal System	3
CHDEV 30	Child, Family and Community	3
CHDEV/PSY 38	Lifespan Development.....	3
CHDEV/PSY 39	Child Growth and Development	3
CLS 11	Introduction to Chicano-Latino Studies.....	3
CLS 12A	Mexican American History: From Mesoamerica to the Mexican American War	3
CLS 12B	Mexican American History: From the Mexican-American War to the Present	3
CLS/HIST 29	History Of Mexico, Colonial to Contemporary Period	3
CLS 30	Migration and the Family: Social and Psychological Perspectives.....	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
ETHNST 11	Law and Democracy.....	3
GEOG 2	Cultural Geography	3
GEOG 4A	World Geography	3
GEOG 4B	World Geography	3
GEOG 20	Geography of California	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 3	History of Ancient Rome.....	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 20	World History I, to 1600.....	3
HIST 21	United States Civil War	3
HIST/WSTS 22	History of American Women.....	3
HIST 23	World History II, since 1500	3
HIST 25	History of Religion in the United States	3
HIST 30	California History.....	3
HS/SOC 10	Introduction to Aging Studies	3
JOURN 1	Introduction to Mass Communication	3
JOURN 16	Race, Gender and the Media	3
POLSCI 1	Modern Politics.....	3
POLSCI 2/2H	American Government, <i>or</i> Honors American Government.....	3

POLSCI 3	Introduction to Political Theory and Thought.....	3
POLSCI 5	Comparative Government.....	3
POLSCI 24	International Relations.....	3
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
SOC 1B	Critical Thinking about Social Problems	3
SOC 2	American Minority Groups.....	3
SOC 32	Introduction to Marriage and Family	3
WSTS 10	Changing Roles of Women	3
WSTS 47	Introduction to LGBTQ+ Studies	3

**AREA E: LIFELONG LEARNING AND SELF-DEVELOPMENT –
Three semester units minimum. *Three units of physical education
alone is insufficient to fulfill AREA E.**

	Units	
CHDEV/PSY 38	Lifespan Development.....	3
CHDEV/PSY 39	Child Growth and Development	3
COUN 53	College and Life Management	3
FN 35	Nutrition and Health.....	3
FN 40	Nutrition	3
HLTH 1	Contemporary Health Issues.....	3
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 15A	Weight Training (Women)	1
PE 15B	Weight Training (Men).....	1
PE 15C	Weight Training (Coed)	1
PE 17	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
PSY 2/2H	General Psychology, <i>or</i> Honors General Psychology.....	3
PSY 25	Human Sexuality	3
PSY 33	Personal and Social Adjustment	3

AREA F: ETHNIC STUDIES – Three semester units minimum.		Units
CLS/WSTS 24	La Chicana and Latina	3
CLS 33	Community Involvement: Service Learning	3
ETHNST 10	Introduction to Ethnic Studies.....	3
		Total 39

NOTES: U.S. History, Constitution, and American Ideals - To graduate from a California State University a student must complete, with a "D" or better grades, a combination of courses which are identified as meeting the U. S. History, Constitution, and American Ideals requirements. Courses at Fresno City College which meet this requirement are: one course from History 11 or 12 combined with one course from Political Science 2/2H or 6. These courses may also be used simultaneously to satisfy course requirements on the CSU GE-Breadth pattern.

IGETC BREADTH – MAJOR #5020/5030
revised program Spring 2023

The general education or breadth requirements are designed to give CSU/UC undergraduates a broad background in all major academic disciplines-natural sciences, physical sciences, social sciences, mathematics, humanities and visual and performing arts. This certificate allows the student to complete Certification of the Intersegmental General Education Transfer Curriculum (IGETC) for the California State University (CSU) or University of California (UC). IGETC Certification is not automatic, please request certification through Admission and Records. This Certificate of Achievement will allow the student to complete the lower division general education required courses but does not meet all the requirements for transfer (see Note). A course or sequence of courses used to satisfy a requirement in one area may not be used to satisfy a requirement in another area. Students should check with a counselor and review the FCC college catalog for further clarification. NOTE: The IGETC Certificate of Achievement only confirms completing CSU and/or UC general education requirements and does not meet Associate Degree of transfer admission requirements. Completion of IGETC is NOT an admission requirement to CSU or UC. It is not advisable for students who are pursuing majors that require extensive lower division preparation, such as Engineering or Liberal Studies, to follow IGETC. All courses must be completed with a "C" or better. Courses must be on the college's approved IGETC list at time the course was completed. Students should check with a counselor and review the FCC college catalog for further clarification. NOTE: The IGETC Certificate of Achievement only confirms completing CSU and/or UC general education requirements and does not meet Associate Degree of transfer admission requirements. Completion of IGETC is NOT an admission requirement to CSU or UC. It is not advisable for students who are pursuing majors that require extensive lower division preparation, such as Engineering or Liberal Studies, to follow IGETC. All courses must be completed with a "C" or better. Courses must be on the college's approved IGETC list at time the course was completed. Students should check with a counselor and review the FCC college catalog for further clarification.

Certificate of Achievement

Student Learning Outcomes:

1. Evaluate and apply a global understanding of the following academic disciplines: natural sciences, physical sciences, social sciences, mathematics, humanities, and visual and performing arts.

AREA 1: ENGLISH COMPOSITION - CSU: 3 courses required, one each from Group 1A, 1B, and 1C listed below (9 semester units minimum) UC: 2 courses required, one each from Group 1A and 1B listed below (6 semester units minimum)

Group 1A - English Composition:		
One course, three semester units.		Units
ENGL 1A/1AH	Reading and Composition, <i>or</i> Honors Reading and Composition	4

Group 1B - Critical Thinking-English Composition:		
One course, three semester units.		Units
ENGL 3/3H	Critical Reading & Writing, <i>or</i> Honors Critical Reading & Writing.....	3
PHIL 2/2H	Critical Reasoning and Analytic Writing, <i>or</i> Honors Critical Reasoning and Analytic Writing.....	3

Group 1C - Oral Communication:		
(CSU only) One course, three semester units.		Units
COMM 1	Introduction to Public Speaking.....	3

COMM 4	Persuasion	3
COMM 8/8H	Group Communication, <i>or</i> Honors Group Communication	3
COMM 25	Argumentation	3

AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING - One course required (three semester units minimum)

	Units	
CSCI 26	Discrete Mathematics for Computer Science	4
DS 21	Finite Mathematics	3
DS 23	Business Statistics	3
MATH 3A	College Algebra.....	4
MATH 4B	Pre-Calculus.....	4
MATH 5A	Mathematical Analysis I.....	5
MATH 5B	Mathematical Analysis II	4
MATH 6	Mathematical Analysis III.....	4
MATH 10A	Structure and Concepts in Mathematics I.....	3
MATH 10B	Structure and Concepts in Mathematics II.....	3
MATH 11/11H	Elementary Statistics, <i>or</i> Honors Elementary Statistics	4
MATH 17	Differential Equations and Linear Algebra.....	5
MATH 21	Finite Mathematics	3
MATH 26	Elementary Linear Algebra.....	3
MATH/PSY 42	Statistics for the Behavioral Sciences	4

AREA 3: ARTS AND HUMANITIES - At least three courses with at least one from Arts and one from Humanities (nine semester units minimum)

Group 3A - Arts

	Units	
AFRAM 3	African-American Art	3
AFRAM 15	African American Music.....	3
AMIND 35	American Indian Art.....	3
ARCH 15A	History of Architecture I	3
ARCH 15B	History of Architecture II.....	3
ART 2	Art Appreciation.....	3
ART 5/5H	Art History Ancient to Medieval, <i>or</i> Honors Art History Ancient to Medieval.....	3
ART 6/6H	Art History Renaissance to Modern, <i>or</i> Honors Art History Renaissance to Modern	3
ART/ASAMER 55	Introduction to Asian Art.....	3
ART 60/CLS 22	Art of the Ancient Americas.....	3
ART 70	Modern and Contemporary Art.....	3
CLS 20	Chicano Art	3
DANCE 30	Dance Appreciation	3
FILM 6	Film Genres.....	3
MUS 3	Music Fundamentals	3
MUS 12	Music Appreciation	3
MUS 13	History of Music.....	3
MUS 15	World Music Survey	3
MUS 16	Jazz History and Appreciation.....	3
MUS 17	History of Rock.....	3
TA 30	Theatre Appreciation	3
TA 31	Theatre History and Dramatic Literature I	3
TA 32	Theatre History and Dramatic Literature II	3

Group 3B - Humanities

	Units	
ARMEN 2	High-Beginning Armenian	5
ASAMER 8	Chinese Culture	3
ASL 2	High-Beginning American Sign Language.....	4
ASL 3	Intermediate American Sign Language	4
ASL 4	High-Intermediate American Sign Language.....	4
ASL 7	Deaf History	3
ASL 8	American Sign Language Literature/Folklore	3
CHIN 2	High-Beginning Chinese.....	5
CLS 21	Chicano Literature	3
ENGL 1B	Introduction to the Study of Literature	3
ENGL 12	The Bible as Literature	3
ENGL 14	Folklore	3
ENGL/AFRAM 17	African-American Literature.....	3

ENGL/WSTS 36	Women's Literature	3
ENGL/HUMAN 42	Classic Myths	3
ENGL 44A	Survey of World Literature to the Mid-Seventeenth Century	3
ENGL 44B	Survey of World Literature from Mid-Seventeenth Century to 1950	3
ENGL 45	Contemporary World Literature	3
ENGL 46A	English Literature to 1800	3
ENGL 46B	English Literature from 1800 to the Present	3
ENGL 47	Introduction to Shakespeare	3
ENGL 48A	Introduction to American Literature to 1865	3
ENGL 48B	Introduction to American Literature 1865 to the Present	3
FILM 1	Introduction to Film Studies	3
FILM 2A	History of Cinema 1895-1960.....	3
FILM 2B	History of Cinema 1960-Present	3
FILM 3	Film and Culture.....	3
FRENCH 2	High-Beginning French.....	5
FRENCH 3	Intermediate French	5
GERMAN 2	High-Beginning German.....	5
HIST 1	Western Civilization to 1648.....	3
HIST 2	Western Civilization Since 1648.....	3
HMONG 2	High-Beginning Hmong	5
HUMAN 10	Classical Humanities	3
HUMAN 11	Modern Humanities	3
JAPAN 2	High-Beginning Japanese	5
LING 10/10H	Introduction to Language, <i>or</i> Honors Introduction to Language	3
PHIL 1A/1AH	Theories of Knowledge and Reality, <i>or</i> Honors Theories of Knowledge and Reality	3
PHIL 1B	Social and Political Philosophy.....	3
PHIL 1C/1CH	Ethics, <i>or</i> Honors Ethics.....	3
PHIL 3A	Ancient Philosophy.....	3
PHIL 3B	Modern Philosophy.....	3
PORT 2	High-Beginning Portuguese	5
SPAN 2	High-Beginning Spanish.....	5
SPAN 2NS	Preparatory Spanish for Native Speakers	5
SPAN 3	Intermediate Spanish	5
SPAN 3NS	Intermediate Spanish for Spanish Speakers	5
SPAN 4	High-Intermediate Spanish.....	5
SPAN 4NS	High-Intermediate Spanish for Spanish Speakers.....	5
SPAN 5	The Short Story: Mexico, Spain, and the U.S.	4
SPAN 6	The Short Story: Latin America	4
SPAN 7	Advanced Spanish: Composition and Grammar	4
SPAN 41	Introduction to Poetry in Spanish	4
SPAN 42	Hispanic American Culture.....	4

AREA 4: SOCIAL AND BEHAVIORAL SCIENCES –

**At least three courses from at least two different disciplines
(nine semester units minimum)**

Group 4 – Social Sciences

Units

ANTHRO 12	Visual Anthropology: Introduction to Ethnographic Film	3
ASAMER 10	Hmong Culture	3
ASAMER 25	Asian American Social Issues	3
CLS 30	Migration and the Family: Social and Psychological Perspectives.....	3
GLST 1	Introduction to Global Studies	3
GLST 2	Global Issues	3
WSTS 22	History of American Women.....	3

Group 4A - Anthropology and Archaeology

Units

ANTHRO 2/2H	Cultural Anthropology, <i>or</i> Honors Cultural Anthropology	3
ANTHRO 3	Archaeology and World Prehistory	3
ANTHRO 4	Introduction to Archaeology.....	3
ANTHRO 8	Language and Culture.....	3

Group 4B - Economics

Units

ECON 40/40H	Introduction to Microeconomics, <i>or</i> Honors Introduction to Microeconomics	3
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ECON 50/50H Introduction to Macroeconomics, *or*
 Honors Introduction to Macroeconomics 3

Group 4C - Ethnic Studies **Units**

AFRAM 1 Introduction to African American Studies 3
 AFRAM/HIST 34 History of the American Civil Rights Movement 3
 AMIND 31 American Indian Culture 3
 AMIND 34 The American Indian in Contemporary Society 3
 ASAMER 1 Indo-Chinese Americans 3
 ASAMER 15 Introduction to Asian-Americans 3
 CLS 11 Introduction to Chicano-Latino Studies 3
 JOURN 16 Race, Gender and the Media 3

Group 4D - Gender Studies **Units**

HIST 22 History of American Women 3
 JOURN 16 Race, Gender and the Media 3
 WSTS 10 Changing Roles of Women 3
 WSTS 47 Introduction to LGBTQ+ Studies 3

Group 4E - Geography **Units**

GEOG 2 Cultural Geography 3
 GEOG 4A World Geography 3
 GEOG 4B World Geography 3
 GEOG 20 Geography of California 3

Group 4F - History **Units**

AFRAM 4 Classical African Societies 3
 HIST 3 History of Ancient Rome 3
 HIST 11 History of the United States to 1877 3
 HIST 12/12H History of the United States since 1877, *or*
 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 20 World History I, to 1600 3
 HIST 21 United States Civil War 3
 HIST 22 History of American Women 3
 HIST 23 World History II, since 1500 3
 HIST 25 History of Religion in the United States 3
 HIST/CLS 29 History Of Mexico, Colonial to Contemporary Period 3
 HIST 30 California History 3
 HIST/AFRAM 34 History of the American Civil Rights Movement 3

Group 4G - Interdisciplinary, Social & Behavioral Sciences **Units**

CHDEV 30 Child, Family and Community 3
 CHDEV/PSY 39 Child Growth and Development 3
 ETHNST 10 Introduction to Ethnic Studies 3
 JOURN 1 Introduction to Mass Communication 3

Group 4H - Political Science, Government & Legal Institutions **Units**

ETHNST 11 Law and Democracy 3
 POLSCI 1 Modern Politics 3
 POLSCI 2/2H American Government, *or*
 Honors American Government 3
 POLSCI 3 Introduction to Political Theory and Thought 3
 POLSCI 5 Comparative Government 3
 POLSCI 24 International Relations 3

Group 4I - Psychology **Units**

CHDEV/PSY 38 Lifespan Development 3
 CHDEV/PSY 39 Child Growth and Development 3
 PSY 2/2H General Psychology, *or*
 Honors General Psychology 3

Group 4J - Sociology & Criminology **Units**

HS/SOC 10 Introduction to Aging Studies 3
 SOC 1A/1AH Introduction to Sociology, *or*
 Honors Introduction to Sociology 3
 SOC 2 American Minority Groups 3

AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES –
At least two courses, one Physical Science and
one Biological Science (seven to nine semester units minimum).

One course must have a lab component.

Group 5A - Physical Sciences		Units
ASTRO 10	Basic Astronomy	3
CHEM 1A	General Chemistry I	5
CHEM 1B	General Chemistry II	5
CHEM 3A	Introductory General Chemistry	4
CHEM 8A	Elementary Organic Chemistry	3
CHEM 28A	Organic Chemistry I.....	3
CHEM 28B	Organic Chemistry II.....	3
GEOG 1	Physical Geography	4
GEOG 7	Physical Geography: Earth's Surface.....	4
GEOG 8	Physical Geography: Weather and Climate.....	4
GEOL 1	Physical Geology	4
GEOL 2	Historical Geology	3
GEOL 4	Geology of California.....	3
GEOL 5	Introduction to Oceanography	3
GEOL 12	Environmental Science.....	3
PHYS 2A	General Physics 1	4
PHYS 2B	General Physics 2	4
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4
PHYS 11	Introductory Physical Science	3

Group 5B - Biological Sciences		Units
ANTHRO 1	Biological Anthropology	3
BIOL 3	Introduction to Life Science	4
BIOL 4	Principles of Zoology	5
BIOL 5	Human Biology	4
BIOL 6	Principles of Botany.....	5
BIOL 11A	Biology for Science Majors I.....	5
BIOL 11B	Biology for Science Majors II.....	5
BIOL 14	Conservation Biology	3
BIOL 20	Human Anatomy	4
BIOL 21A	Human Anatomy & Physiology I.....	4
BIOL 21B	Human Anatomy & Physiology II.....	5
BIOL 22	Human Physiology	5
BIOL 31	Microbiology	5
BIOL 55	Introduction to the Biology of Humans.....	3

Group 5C - Science Laboratory		Units
ANTHRO 1L	Biological Anthropology Laboratory.....	1
CHEM 1A	General Chemistry I	5
CHEM 3A	Introductory General Chemistry	4
CHEM 29A	Organic Chemistry Laboratory I	2
CHEM 29B	Organic Chemistry Lab II.....	2
GEOG 1	Physical Geography	4
GEOL 2L	Historical Geology Lab	1
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
PHYS 4C	Physics for Scientists and Engineers	4

AREA 6A: UC REQUIREMENT IN LANGUAGE OTHER THAN ENGLISH - Proficiency equivalent to two years of high school study in same language with "C" or better grades (at Fresno City College one course required if not met by high school foreign language).

		Units
ARMEN 1	Beginning Armenian	5
ARMEN 2	High-Beginning Armenian	5
ASL 1	Beginning American Sign Language	4
ASL 2	High-Beginning American Sign Language.....	4
ASL 3	Intermediate American Sign Language	4
ASL 4	High-Intermediate American Sign Language.....	4
CHIN 1	Beginning Chinese	5
CHIN 2	High-Beginning Chinese.....	5
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
HMONG 1	Beginning Hmong.....	5
HMONG 2	High-Beginning Hmong	5
JAPAN 1	Beginning Japanese.....	5
JAPAN 2	High-Beginning Japanese	5
PORT 1	Beginning Portuguese.....	5
PORT 2	High-Beginning Portuguese	5
SPAN 1	Beginning Spanish	5
SPAN 2	High-Beginning Spanish.....	5
SPAN 3	Intermediate Spanish	5
SPAN 3NS	Intermediate Spanish for Spanish Speakers	5
SPAN 4	High-Intermediate Spanish.....	5
SPAN 4NS	High-Intermediate Spanish for Spanish Speakers.....	5
SPAN 7	Advanced Spanish: Composition and Grammar	4

CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION, AND AMERICAN IDEALS - One course from each group (six semester units minimum). If a course is approved for more than one US Area below, a student may use the course to satisfy all areas listed. This requirement is NOT part of IGETC, but may be completed prior to transfer. CSU campuses have the discretion whether to allow courses to satisfy the CSU United States History, Constitution and American Ideals (AI) graduation requirement to count in both Areas 3B/4 and to meet the AI graduation requirement.

Group 1		Units
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
Group 2		Units
POLSCI 2/2H	American Government, <i>or</i> Honors American Government.....	3
Group 3		Units
POLSCI 2/2H	American Government, <i>or</i> Honors American Government.....	3
POLSCI 6	California Politics and Government.....	1
		Total 37-45

GEOLOGY

GEOLOGY FOR TRANSFER – MAJOR #6070

revised program, Spring 2023

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 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 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	3
GEOL 2L	Historical Geology Lab	1
MATH 5A	Mathematical Analysis I.....	5
MATH 5B	Mathematical Analysis II.....	4
		Total 27

GRAPHIC COMMUNICATIONS

GRAPHIC DESIGN – FORMERLY GRAPHIC DESIGN OPTION – MAJOR #8507

revised program, Spring 2023

Graphic Design combines aspects of the graphic communication and business curricula to provide a foundation in graphic design. The student will receive a background in computer graphics, and introductory video, audio and web design with an understanding of the requirements and limitations of production.

Associate of Arts and Certificate of Achievement

Student Learning Outcomes:

1. Demonstrate competency in communication techniques and visual design theory through the use of application specific software and hardware.

Required Courses	Units
BA 38	Operation of the Small Business, <i>or</i>
BA 52	Introduction to Entrepreneurship 3
GRC 15	Web Design..... 4
GRC 17	Adobe Illustrator 3
GRC 20A	Intro to Applied Graphics-Adobe Tools..... 3
GRC 20B	Intro to Applied Graphics-Media 3
GRC 30	Adobe Indesign/Professional Publishing 3
GRC 31	Intermediate Photoshop 3
GRC 39A	Introduction to Graphic Design 3
GRC 40A	Intermediate Graphic Design..... 3
GRC 55	Social Media Design..... 3
	Total 31

SOCIAL MEDIA CONTENT DESIGN – MAJOR #8513

revised program, Spring 2023

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

Certificate of Achievement

Student Learning Outcomes:

1. Develop social media for various platforms adhering to specification and design concepts.

Required Courses	Units
BA 5	Workplace Communication 3
BA 52	Introduction to Entrepreneurship 3
GRC 27	Digital Video Production..... 3
GRC 51	Storyboarding..... 1
GRC 55	Social Media Design..... 3
MKTG 21	Digital Marketing 3
PHOTO 14	Photography for Social Media 3
	Total 19

VIDEO PRODUCTION – MAJOR #8511

revised program, Spring 2023

This comprehensive program features pre-production planning, camera and audio work, post-production editing techniques and technology to complete digital video projects.

Associate of Science and Certificate of Achievement

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	Newsriting..... 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	2
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	Intro to Drone Aerial Multimedia	0.5
	Total	36.5

KINESIOLOGY

KINESIOLOGY – MAJOR #4555

revised program, Spring 2023

Kinesiology studies the function and performance of the human body through the sciences of anatomy, physiology, biomechanics, and psychology. With a diverse curriculum, students can choose from courses such as anatomy and physiology, health and wellness, nutrition, sports psychology, first aid, and coaching. Students will be presented with both theoretical and practical applications of the science of kinesiology, as it pertains to exercise, sport, and physical activity. Coursework in this field is intended to improve students' knowledge of health, fitness, and lifetime wellness as they relate to personal and community well-being. A degree in kinesiology has become a valuable asset in pursuing relevant and rewarding professional careers.

Associate of Science

Student Learning Outcome:

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 Courses

		Units
HLTH 1	Contemporary Health Issues	3
HLTH 2	First Aid and Safety, <i>or</i>	
PE 20	Emergency Care and Injury Prevention	3-4
PE 62	Introduction To Kinesiology	3

Minimum of 6 units from the following courses:

		Units
BIOL 5	Human Biology	4
BIOL 20	Human Anatomy, <i>or</i>	
BIOL 21A	Human Anatomy & Physiology I, <i>or</i>	
BIOL 21B	Human Anatomy & Physiology II, <i>or</i>	
BIOL 22	Human Physiology	4-5
FN 35	Nutrition and Health, <i>or</i>	
FN 40	Nutrition	3
HLTH 3	Personal Training	3
PE 18A	Sports Medicine Lab A, <i>and</i>	
PE 18B	Sports Medicine Lab B	4
PE 24	Sports Officiating	2
PE 26	Sports Psychology	3
PE 28	Foundations of Coaching	3

Fitness/Wellness Activities: Minimum of one course (1 unit)

		Units
DANCE 9	Dance Conditioning	1
DANCE 10A	Beginning Modern Dance Technique	1
PE 6	Fitness and Health	1
PE 15A	Weight Training (Women)	1
PE 15B	Weight Training (Men)	1
PE 15C	Weight Training (Coed)	1
PE 17	Yoga	1
PE 17B	Intermediate Yoga	1
PE 27	High Intensity Interval Training	1
PE 29C	Off-Season Intercollegiate Badminton	1
PE 30C	Off-Season Intercollegiate Baseball	1
PE 31C	Off-Season Intercollegiate Basketball	1
PE 33C	Off-Season Intercollegiate Football	1
PE 34C	Off-Season Intercollegiate Golf	1
PE 36C	Off-Season Intercollegiate Soccer	1

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

Individual/Dual Sports: Minimum one course (1-3 units)		Units
PE 4	Badminton	1
PE 4B	Intermediate Badminton	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 29B	Intercollegiate Badminton.....	3
PE 32B	Intercollegiate Cross Country	3
PE 34B	Intercollegiate Golf	3
PE 38B	Intercollegiate Tennis	3
PE 39B	Intercollegiate Track and Field	3
PE 41B	Intercollegiate Men's Wrestling.....	3
PE 43B	Intercollegiate Women's Swimming and Diving.....	3
PE 44B	Intercollegiate Women's Beach Volleyball.....	3
PE 46B	Intercollegiate Women's Wrestling	3

Team Sports: Minimum one course (1-3 units)		Units
PE 5	Basketball.....	1
PE 14	Volleyball.....	1
PE 14B	Intermediate Volleyball	1
PE 30B	Intercollegiate Baseball	3
PE 31B	Intercollegiate Basketball	3
PE 33B	Intercollegiate Football	3
PE 35B	Intercollegiate Cheer and Stunt.....	2
PE 36B	Intercollegiate Soccer.....	3
PE 37B	Intercollegiate Softball.....	3
PE 40B	Intercollegiate Women's Volleyball.....	3
PE 42B	Intercollegiate Women's Water Polo	3
PE 71	Soccer	1

Total 18-23

LAW

LAW, PUBLIC POLICY, AND SOCIETY FOR TRANSFER – MAJOR #8770

revised program, Spring 2023

The coursework required to earn an Associate in Arts in Law, Public Policy, and Society for Transfer has been identified as good preparation for law school upon completion of a bachelor's degree. This interdisciplinary area of emphasis emphasizes the development of communication skills, introduces students to the legal field, and prepares students for further study in a variety of majors. Students who opt to pursue this course of study are encouraged to engage in further exploration of one or more specific majors as they select electives for degree completion. To earn the Associate in Arts in Law, Public Policy and Society 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 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 Outcome:

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

Required Courses

Units

BA 18	Business and the Legal Environment.....	4
COMM 25	Argumentation.....	3
CRIM 6	Concepts of Criminal Law	3
ETHST 11	Law and Democracy.....	3
PHIL 1C	Ethics	3
COMM 4	Persuasion, <i>or</i>	
ENGL 3/3H	Critical Reading & Writing, <i>or</i>	
	Honors Critical Reading & Writing, <i>or</i>	
PHIL 2/2H	Critical Reasoning and Analytic Writing, <i>or</i>	
	Honors Critical Reasoning and Analytic Writing	3
DS 23	Business Statistics, <i>or</i>	
MATH 11/11H	Elementary Statistics, <i>or</i>	
	Honors Elementary Statistics, <i>or</i>	
MATH 42	Statistics for the Behavioral Sciences	3-4
ENGL 1A/1AH	Reading and Composition, <i>or</i>	
	Honors Reading and Composition	4
HIST 11	History of the United States to 1877, <i>or</i>	
HIST 12/12H	History of the United States since 1877, <i>or</i>	
	Honors History of the United States since 1877	3
POLSCI 2/2H	American Government, <i>or</i>	
	Honors American Government.....	3
		Total 32-33

LIBERAL ARTS

LIBERAL ARTS WITH AN EMPHASIS IN CULTURAL STUDIES – MAJOR #5121

revised program, Spring 2023

This program is designed to acquaint students with the diversity of cultures, particularly within American society. The program offers a broad foundation for the study of cultures as well as classes specific to various ethnic cultures within the United States.

Associate of Arts

Student Learning Outcome:

1. Be academically prepared to transfer to a four-year college.
2. Be prepared to enter the workforce and society with a cultural awareness that facilitates consideration of different cultures and cultural norms.
3. Have an understanding of the rich cultural diversity of the United States.
4. Develop critical thinking skills.

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 2	African American Cultural Adaptation.....	3
AFRAM 4	Classical African Societies	3
AFRAM 5	The African Diaspora of the Americas.....	3
AFRAM 6	African Cultures and Languages	3
AFRAM/WSTS 41	African-American Women's Studies.....	3
AMIND 31	American Indian Culture.....	3
AMIND 32	American Indian History	3
AMIND 34	The American Indian in Contemporary Society	3
ANTHRO 2/2H	Cultural Anthropology, <i>or</i>	
	Honors Cultural Anthropology	3
ANTHRO/CLS 28	Ancient Mexico	3
ASAMER 1	Indo-Chinese Americans	3
ASAMER 10	Hmong Culture	3
ASAMER 15	Introduction to Asian-Americans	3
ASAMER 25	Asian American Social Issues	3
CHDEV 15	Diversity and Culture in Early Childhood Education Programs.	3
CLS 11	Introduction to Chicano-Latino Studies.....	3
CLS 12A	Mexican American History: From Mesoamerica to the Mexican American War	3
CLS 12B	Mexican American History: From the Mexican-American War to the Present	3
CLS 13	Politics and the Chicano-Latino Community	3
CLS/SOC 14	Sociology of the Mexican American Community	3
CLS/WSTS 24	La Chicana and Latina	3
CLS/HIST 29	History Of Mexico, Colonial to Contemporary Period	3
CLS 30	Migration and the Family: Social and	

	Psychological Perspectives.....	3
ETHNST 10	Introduction to Ethnic Studies.....	3
GEOG 2	Cultural Geography.....	3
GEOG 4A	World Geography.....	3
GEOG 4B	World Geography.....	3
GEOG 20	Geography of California.....	3
POLSCI 24	International Relations.....	3
SOC 1B	Critical Thinking about Social Problems.....	3
SOC 2	American Minority Groups.....	3
WSTS 10	Changing Roles of Women.....	3
	Total 18	

LIBERAL ARTS WITH AN EMPHASIS IN SOCIAL SCIENCES – MAJOR #5176

revised program, Spring 2023

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 of Arts

Student Learning Outcome:

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 Magic, Witchcraft, and Religion.....	3
ASAMER 1	Indo-Chinese Americans.....	3
ASAMER 15	Introduction to Asian-Americans.....	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
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 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

GUITAR PERFORMANCE – MAJOR #5831

program correction, Fall 2022

The Guitar Performance Certificate Program ensures that the Guitar Music Major has the fundamental academic preparation necessary for continued pursuit of the AA in Music or transfer to the university level.

Certificate

Student Learning Outcome:

1. Perform solo pieces of intermediate 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 Theory:

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

Music Appreciation:

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

Applied Music: Select Two Units

		Units
MUS 29	Intermediate/Advanced Guitar.....	1-2
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 34	Fresno Chorale	1
MUS 35	City Singers.....	1-2
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
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
MUS 92	Vocal Jazz Workshop.....	2

Total 12

NURSING, REGISTERED

NURSING, REGISTERED – MAJOR #4520

revised program, Spring 2023

The profession of registered nursing involves the provision of health care services, both direct and indirect, that focus on the maintenance, promotion and restoration of health. This includes basic health care to help people cope with difficulties in daily living that are associated with actual or potential problems of health, illness or the treatment thereof. Nursing is a dynamic problem-solving profession that focuses on the response of the individual to health problems. The practice of registered nursing requires a substantial amount of scientific knowledge and technical skills as well as leadership and managerial abilities. Students attend classes on the Fresno City College campus. Nursing experience is provided in selected local hospitals and health agencies.

Application Requirements

Enrollment in the Registered Nursing Program is limited. Minimum qualifications for selection must be met. There are no restrictions as to age, race, sex or marital status.

Prior to the final date for filing an application to the program, the applicant must have:

1. Graduated from high school with a minimum grade point average of "C+" (2.5) or better in high school work or completed the General Educational Development (GED) test with an average standard score of 45.
2. Completed Chemistry 3A or equivalent with a grade of "C" or better.
3. Completed Biology 20, Human Anatomy, and Biology 22, Human Physiology, (or Biology 21A and 21B, Human Anatomy and Physiology) with a grade of "C" or better in each course.
4. Completed Biology 31, Microbiology, with a grade of "C" or better.
5. Completed Sociology 1A, Introduction to Sociology, or Anthropology 2, Cultural Anthropology, and Psychology 2, General Psychology, with grades of "C" or better in each course.
6. Completed English 1A, Reading and Composition, with a grade of "C" or better.
7. Completed Math 103, Foundations of Algebra, or a more advanced math course with a grade of "C" or better.
8. Attained a cumulative grade point average (GPA) of "C+" (2.5) or better in completed college work.
9. Completed an Academic Summary Form for the Registered Nursing Program and be prepared to furnish transcripts and other supporting documents when requested to do so.
10. No physical impairment that would preclude the performance of all registered nurse duties.
11. Good physical and mental health.
12. Pass the Test of Essential Academic Skills (TEAS) with an overall score of 62% or higher. The TEAS may only be taken twice with a minimum of 90 days between the attempts.

Notes:

1. The college GPA and college courses of an applicant will take precedence over an applicants high school GPA and courses.
2. Prior to registration for the semester in which the applicant is scheduled to take courses in the Registered Nursing Program, the student must submit evidence of physical examination, current immunizations, and freedom of TB by a licensed physician. The student is also required to attend a mandatory orientation meeting before the start of the semester.
3. Students are required to complete a background check.

Change of Name, Address, and/or Telephone Number

Applicants and nursing students must keep the Nursing Education Office informed of any change in name, address, and/or telephone number. Failure of applicants to inform the Nursing Education Office of change may result in loss of entry into the program.

Vocational Nursing Articulation

Procedures and application requirements specific to vocational nurse articulation into the Registered Nursing Program are available upon request.

Previous Education in Nursing

Any person desiring to enter the Fresno City College Registered Nursing Program by transfer or challenge will be evaluated on an individual basis after all college general requirements for transfer or challenge have been met. The college has written policies and procedures for academic training in registered nursing programs. Individuals who have completed vocational nursing programs and persons having other education in the field of nursing should contact the Director of Nursing for specific information.

Pre-nursing Preparation

Pre-nursing students planning to transfer to four-year programs in other schools should consult the catalog of the transfer school.

Academic Requirements

All program entry requirement courses listed above must be completed with a grade of "C" or better. In order to be eligible to apply for licensure as a Registered Nurse and to take the National Council Licensure Examination - RN, all other courses leading to the associate degree must also be completed with a grade of "C" or better. Students in the nursing program must earn a "C" grade or better (or a "Pass" grade when applicable) in all required nursing courses. Less than a "C" or a "Pass"

grade in any required nursing course necessitates repeating the course before continuing with the major. Registered Nursing courses must be repeated in their entirety. Course repeatability and failure policy will be followed as outlined in the Registered Nursing Student Handbook. If, based on the professional judgment of the faculty, a student demonstrates that he/she is unsuited to nursing, is not progressing satisfactorily or is engaged in unethical, unprofessional, or illegal practices, he/she may be asked to withdraw from the program.

State License

The successful completion of the prescribed registered nursing course sequence in addition to the other licensure and/or degree requirements qualifies the graduate for an associate in science degree and eligibility to apply for licensure as a Registered Nurse.

Associate of Science

Student Learning Outcome:

1. Students completing the Registered Nursing Program will be prepared to practice at a novice level as a professional nurse in the roles of caregiver, decision maker, communicator, professional, advocate, teacher, and manager as measured by 85% passing the NCLEX-RN.
2. At the completion of the Registered Nursing Program students will be able to coordinate nursing care for groups of clients by applying the nursing process to successfully modify care for critical and acute care clients.

First Year – First Semester		Units
RN 31	Foundations and Introduction to Medical-Surgical Nursing	4
RN 32	Foundations and Introduction to Medical-Surgical Nursing Clinical	2
RN 32A	Foundations and Introduction to Medical-Surgical Nursing Skills	2
RN 33	Transcultural Health Care	1
RN 37A	Pharmacology A: Introduction to Pharmacology	1
First Year – Second Semester		Units
RN 37B	Pharmacology B: Nursing Pharmacological Applications	1
RN 41	Nursing Care of the Adult with Common Health Problems....	2.5
RN 42	Nursing Care of the Adult with Common Health Problems Clinical.....	2
RN 42A	Nursing Care of the Adult with Common Health Problems Skills.....	1
RN 45	Nursing Care of the Childbearing Family Theory	2.5
RN 46	Nursing Care of the Childbearing Family Clinical	1.5
Second Year – First Semester		Units
RN 37C	Pharmacology C: Advanced Nursing Pharmacological Applications.....	1
RN 51	Nursing Care of the Adult with Complex Health Problems	3
RN 52	Nursing Care of the Adult and Older Adult With Complex Health Problems Clinical	2
RN 52A	Nursing Care of the Adult and Older Adult With Complex Health Problems Skills	0.5
RN 55	Nursing Care of Infants and Children	2
RN 56	Nursing Care of Infants and Children Clinical.....	2
Second Year – Second Semester		Units
RN 61	Nursing Care of the Critically Ill Adult and Coordinator of Care	2.5
RN 62	Nursing Care of the Critically Ill Adult and Coordinator of Care Clinical	3
RN 62A	Nursing Care of the Critically Ill Adult Skills.....	0.5
RN 65	Nursing Care of the Client with Behavioral and Emotional Disorders	2
RN 66	Nursing Care of the Client with Behavioral and Emotional Disorders Clinical	1.5
		Total 40.5

PHYSICAL EDUCATION

PERSONAL TRAINING ENTREPRENEURSHIP – MAJOR #4331

new program, Fall 2022

The Personal Trainer Entrepreneurship program prepares students to start a small personal fitness training business. The focus is on developing personal training skills and key business start-up skills. Upon successful completion of the Personal Trainer Entrepreneurship certificate, students are also eligible to apply for certification as a personal trainer.

Certificate of Achievement

Student Learning Outcome:

1. Prepare students in starting a personal training business.
2. Understand body physiology as it pertains to exercise and development.
3. Demonstrate proficiency in exercise movement and program design.

Required Courses		Units
BA 51	Business Planning and New Venture Launch	1.5
BA 52	Introduction to Entrepreneurship	3
HLTH 2	First Aid and Safety	3
HLTH 3	Concepts in Health and Fitness	3

Select one course from the following:		Units
PE 15A	Weight Training (Women)	1
PE 15B	Weight Training (Men)	1
PE 15C	Weight Training (Coed)	1

Select one course from the following:		Units
PE 18	Sports Medicine Lab A	2
PE 18B	Sports Medicine Lab B	2

Select one course from the following:		Units
PE 3	Archery	1
PE 4	Badminton	1
PE 5	Basketball	1
PE 7	Golf	1
PE 12	Swimming	1
PE 13	Tennis	1
PE 14	Volleyball	1
PE 17	Hatha Yoga	1
Total		14.5

RECREATION

RECREATION LEADERSHIP – MAJOR #4300

revised program, Spring 2023

Recreation Leadership is an Associate in Arts degree program and contributes to the health and well-being of individuals and enhances the quality of community life. Our courses encourage students to learn and participate in hands-on activities to help all people live healthy, enjoyable, active, and meaningful lifestyles. Recreation Leadership majors are active in the classroom and the community. The profession focuses on the principles underlying recreational activities and the practices involved in providing the general public's indoor and outdoor recreational facilities and services. These recreational activities and services occur in outdoor recreation, parks and recreation, recreational therapy programs for people with disabilities, special events, sports and entertainment facilities, travel and tourism, and senior and youth-serving organizations. This field of study helps us to understand social behavior and environmental sciences, helping people grow and develop in their leisure pursuits while conserving our natural resources.

Associate of Arts

Student Learning Outcome:

1. List and define the programs and services of the recreation programs in the community.
2. Identify and apply the skills needed to be a recreational leader in a community setting.

Required Core Courses		Units
HLTH 1	Contemporary Health Issues	3
HLTH 2	First Aid and Safety	3
REC 19	Work Experience (Cooperative), Occupational	3
REC 20	Introduction to Recreation	3
REC 21	Recreational Leadership	3
REC 23	Outdoor Recreation	3

Required Four (4) PE Physical Education Activity Classes		Units
PE 4	Badminton	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 15A	Weight Training (Women)	1
PE 15B	Weight Training (Men)	1
PE 15C	Weight Training (Coed)	1
PE 17	Yoga.....	1
PE 17B	Intermediate Yoga.....	1
PE 27	High Intensity Interval Training.....	1
PE 45	Performance Training and Conditioning Techniques for Intercollegiate Athletics	0.5-1
PE 71	Soccer	1
PE 72	Spinning for Fitness.....	1
	Total	22

THEATRE ARTS

DESIGN/TECHNICAL THEATRE STUDIES – MAJOR #5482

revised program, Spring 2023

The Design/Technical Theatre Studies major emphasizes a hands on approach and places special focus on the well-rounded theatre artist.

Associate of Arts

Student Learning Outcome:

1. Analyze a play in the context of its historical period, structure, theme, character, style and synthesize these components with research in the creation of a theatrical design.
2. Demonstrate the performance process as an actor from rehearsal to performance.
3. Demonstrate the production process from construction/installation through technical rehearsals and performance before an audience.

Required Courses

	Units	
TA 23	Technical Theatre Practicum.....	3
TA 25	Stagecraft.....	2
TA 30	Theatre Appreciation, <i>or</i>	
TA 31	Theatre History and Dramatic Literature I, <i>or</i>	
TA 38	Script Analysis.....	3
TA 35	Costume Crafts	3
TA 41	Beginning Acting, <i>or</i>	
TA 42	Beginning Acting for Theatre Majors	3

Select one of the following courses:

	Units	
TA 27A	Introduction to Scenic Design - Theatre and Film	3
TA 27B	Introduction to Lighting Design.....	3
TA 28	Introduction to Stage Makeup	3
TA 36	Costume Design.....	3

Select six units from the following list. (Note: Courses used in the above lists may not be repeated for this list.)

	Units	
TA 15C	Creative Writing: Playwriting	3
TA 27A	Introduction to Scenic Design - Theatre and Film	3
TA 27B	Introduction to Lighting Design.....	3
TA 28	Introduction to Stage Makeup	3
TA 29A	Advanced Technical Theatre Practicum I.....	1
TA 29B	Advanced Technical Theatre Practicum II.....	1
TA 31	Theatre History and Dramatic Literature I	3
TA 32	Theatre History and Dramatic Literature II	3
TA 36	Costume Design.....	3
TA 38	Script Analysis.....	3
TA 39A	Intermediate Crew Practicum I.....	1
TA 39B	Intermediate Crew Practicum II	1
TA 40	Performance Practicum.....	3
TA 45	Kennedy Center American College Theater Festival Topics	2
TA 49	Introduction to Theatre Design	2
	Total	23

**Recommended electives for Physical Education: DANCE 10A, 11, 12A, 14, & 16.*

THEATRE ARTS – MAJOR #5440

revised program, Spring 2023

The Theatre Arts major is a performance oriented major. It emphasizes a “hands-on” approach and places special focus on the “well rounded” theatre artist.

Associate of Arts

Student Learning Outcome:

1. Demonstrate the acting process from script and character analysis, through a performance before an audience.
2. Demonstrate basic proficiency in technical theatre production.
3. Analyze a play in context of its historical period, structure, theme, character, style and other components of drama.

Required Courses	Units
TA 23 Technical Theatre Practicum.....	3
TA 25 Stagecraft, <i>or</i>	
TA 35 Costume Crafts, <i>or</i>	
TA 36 Costume Design.....	2-3
TA 15C Creative Writing: Playwriting, <i>or</i>	
TA 30 Theatre Appreciation, <i>or</i>	
TA 38 Script Analysis.....	3
TA 31 Theatre History and Dramatic Literature I, <i>or</i>	
TA 32 Theatre History and Dramatic Literature II	3
TA 41 Beginning Acting, <i>or</i>	
TA 42 Beginning Acting for Theatre Majors	3
TA 43 Intermediate Acting	3
TA 46 Voice for the Actor.....	3

Three units from the following courses:	Units
TA 28 Introduction to Stage Makeup	3
TA 40 Performance Practicum.....	3
TA 44A Actors Workshop.....	3
TA 48A Teasers I.....	0.5
Total 23-24	

THEATRE ARTS FOR TRANSFER – MAJOR #5445

revised program, Spring 2023

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 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 Outcome:

1. Identify the literature and styles of theatre.
2. Demonstrate the acting process.
3. Demonstrate the production process.

Required Core Courses	Units
TA 30 Theatre Appreciation, <i>or</i>	
TA 31 Theatre History and Dramatic Literature I	3
TA 40 Performance Practicum, <i>or</i>	
TA 23 Technical Theatre 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.

Elective Courses	Units
TA 25 Stagecraft.....	2
TA 27B 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
Total 18	

WOMEN’S STUDIES

WOMEN’S AND GENDER STUDIES – FORMERLY WOMEN’S STUDIES – MAJOR #7610

revised program, Spring 2023

The Women’s and Gender Studies program is designed to inform students of the historical and contemporary issues affecting women’s lives. Women’s Studies offers a broad interdisciplinary approach to the study of women in society including their contrasting roles circumscribed by their culture and social institutions, their opportunities for self expression, achievement and self actualization, their relationships with others, and their concern for survival in a violent-prone society. Attentiveness to diversity, privilege and power, and women’s unique creative contributions to human experience are central aspects of this program. Because Women’s and Gender Studies is interdisciplinary, it also provides an academic background helpful to those planning careers in law, business, education, and medicine.

Associate of Arts

Student Learning Outcome:

1. Evaluate the role of women and gender relationships in various cross- and inter-cultural contexts.
2. Analyze the study of the intersections and complications of class, race, age, ethnicity, nationality, health/disability, and sexual identity as fundamental categories of social and cultural analysis.
3. Engage in in-depth examination of one aspect of women’s experience learned through (for example) a literary genre, a time period, a geographic region, or focus on a very narrow topic.
4. Connect ideas and concepts from various fields about oppression and patriarchy as these affect women to common themes or topics.
5. Evaluate the roles of women in society from a historical and sociological perspective.

Required Courses

	Units
WSTS 10 Changing Roles of Women	3
WSTS/HS 25 Assertiveness Training	2

Course Options: Select a minimum of 15 Units

	Units
ETHNST 10 Introduction to Ethnic Studies.....	3
WSTS/SOC 5 Sociology of Rape	3
WSTS/SOC 7 Domestic Violence: Abuse Within the Family	3
WSTS/HIST 22 History of American Women.....	3
WSTS/CLS 24 La Chicana and Latina	3
WSTS/ENGL 36 Women’s Literature	3
WSTS/AFRAM 41 African-American Women’s Studies.....	3
WSTS/FN 43 Women’s Nutrition	2
WSTS 47 Introduction to LGBTQ+ Studies	3
	Total 20

COURSE DESCRIPTIONS

Changes to Pages 264-451

Course Classification System

Noncredit

Change: *add*

English for Multi-Lingual Students 368RW, Advanced Academic Reading and Writing

effective Spring 2023

Music 380, Senior Skills Applied Music Masterclass

effective Spring 2023

Courses

African-American Studies (AFRAM)

Change: *description, advisory*

effective Spring 2023

1 Introduction to African American Studies, 3 units, 3 lecture hours, (Formerly Cultural Studies 1)

Advisory: English 1A.

Introduction to African-American Studies: a critical interdisciplinary study of African American culture, history, and heritage from Pre Colonial West Africa through the 21st Century. This course will include an introduction to West African societies of the 15th and 16th centuries, prior to European Colonial Expansion; an examination of the transition into the era of African enslavement in Colonial America; an exploration of African American cultural development during the era of Reconstruction; an evaluation of African American political movements in response to social injustice and African American creative production; an analysis of the assimilation of African American culture into mainstream American culture during the 20th century; and finally, to examine and evaluate the African American community of the 21st Century. (A, CSU-GE, UC, I)

Change: *description, advisory*

effective Spring 2023

2 African American Cultural Adaptation, 3 units, 3 lecture hours, (Formerly Cultural Studies 2)

Advisory: None.

This course provides a chronological in-depth examination of how the systems and social institutions of the United States of America have influenced and impacted the lives of African Americans and their communities from the Colonial Era through the first decade of the 21st Century. This course will examine and analyze cultural norms and value systems retained from traditional African societies that were adapted for survival in the United States; evaluate and analyze the impact of the Great Migration from 1865 through 1975, compare and contrast the social political and economic bases of the Reform Movement, Civil Rights Movement, and Pan African Liberation Movement, and evaluate and interpret how the underlying economic, political, and ethnocentric issues of racism in the United States have impacted African American communities and social institutions from Reconstruction to the election of President Barack Obama. (A, CSU, UC)

Change: *description, advisory*

effective Spring 2023

3 African-American Art, 3 units, 3 lecture hours, (Formerly Cultural Studies 3)

Advisory: None.

This course provides a survey of African American Art from Pre Colonial Africa through the 21st century that includes an introduction to Nile Valley Civilizations, West African societies of the 15th and 16th centuries prior to European Colonial Expansion, an examination of the transition into the era of African enslavement in Colonial America, explore African American cultural development during Reconstruction, analyze African American political movements in response to social injustice and evaluate the assimilation of African American culture into mainstream American culture during the 20th century, and evaluate the African American community of the 21st Century. (A, CSU-GE, UC, I)

Change: *title, description, advisory*

effective Spring 2023

4 Classical African Societies, 3 units, 3 lecture hours, (Formerly Cultural Studies 4)

Advisory: English 1A.

This course provides an in-depth analysis of African Civilization from its earliest origins through the European Colonial period that includes geographical and topographical survey of the African continent, examination of the traditional African cultural traits represented in cultures and societies throughout the African continent, and evaluation and analysis of contact between African and Non-African societies during Arab and European Colonial eras. Topics covered in this course will include ancient African societies; classical African civilizations along the Nile River Complex; African cultural institutions including: religion, law, art, science, education, social obligations, and the centrality of the family unit; and the consequences of the subordination of African people throughout the world at the beginning of the European Colonial era. (A, CSU-GE, UC, I)

Change: *description, advisory*

effective Spring 2023

5 The African Diaspora of the Americas, 3 units, 3 lecture hours, (Formerly Cultural Studies 5)

Advisory: None.

This course provides an in-depth analysis of the disbursement of African people throughout the world through European Colonialism and African enslavement through the analysis of the importance of African enslavement to racism and capitalism in the United States of America; examine the legacy of African resistance to enslavement and racial

oppression; identify the historical contributions of Africans to the Americas and the Caribbean; and, finally, compare and contrast the creative production process of African Americans during the 20th Century. (A, CSU, UC)

Change: description, advisory **effective Spring 2023**

6 African Cultures and Languages, 3 units, 3 lecture hours, (Formerly Cultural Studies 6)

Advisory: None.

Introduction and overview of West African linguistic traits, colonial language adaptation, and cultural implication of language usage. Includes evaluation of music elements as language and traits that were carried by the African Diaspora to the Americas and Caribbean. (A, CSU, UC)

Change: description, advisory **effective Spring 2023**

8 African-American Creative Workshop, 3 units, 2 lecture hours, 3 lab hours, (Formerly Cultural Studies 8)

Advisory: None.

This course will focus on the unique and creative contributions of African American Women in the latter half of the 20th century and into the 21st century. The historical evaluation of the role of women creatives will include an introduction to the general spiritual principles from traditional African perspectives; specifically, Ancient Kemet (Egypt), Yoruba, and South African societies prior to European Colonial Expansion, and will examine the various ways African American Women have been ongoing facilitators in the areas of writing, performance, music, and the visual arts through immersive art lab work on projects. (A, CSU-GE, UC)

Change: description, advisory **effective Spring 2023**

15 African American Music, 3 units, 3 lecture hours

Advisory: None.

This course will assess the importance and influence of the history and development of the music of African Americans from the colonial era through the 21st century. Through the analysis of the music traditions of West Africa, and the relationship that music has to African traditions and ceremony; this course will evaluate the sustained African roots through the development of African American culture. This course will include in depth examination of innovations in African American music, such as Gospel, Soul and Hip Hop, as well as contributions to the music industry as a whole, and the influence that music has had in socio-economic and political institutions of the United States and internationally. (A, CSU-GE, UC, I)

Change: description, advisory **effective Spring 2023**

41 African-American Women's Studies, 3 units, 3 lecture hours, (See also Women's Studies 41), (Formerly Cultural Studies 41)

Advisory: None.

This course analyzes the social, political, and cultural history of African American women in US society from an interdisciplinary perspective through lectures, discussions, films and other collaborative activities. This course will analyze the complex ways that ethnicity, class and gender have shaped African American women's lives and the strategies they have used to empower themselves and their communities within and in comparison to structures of white supremacy and patriarchy and the intersections of socialization, familial relationships, history, art, language, politics, laws, economics, health, psychology, domestic violence, rape, sexuality, and gender. (A, CSU, UC)

American Indian Studies (AMIND)

Change: description, advisory **effective Spring 2023**

31 American Indian Culture, 3 units, 3 lecture hours

Advisory: English 1A.

The Native nations of North American (American Indians) from antiquity to the present. An interdisciplinary approach to examining pre- and post settler-colonial American Indian societies and cultures. Studying the effects of invasion and colonization with an emphasis on self-preservation and maintaining tribal sovereignty. This course analyzes the racialization of American Indians, Eurocentrism, relationship to place, forced assimilation, intergenerational trauma, Indigenous cosmology and ceremony, social justice, and self-determination. (A, CSU-GE, UC, I)

Change: description, advisory **effective Spring 2023**

32 American Indian History, 3 units, 3 lecture hours

Advisory: English 1A.

The history of the American Indian nations from antiquity to the mid-20th century, with an emphasis on pre-Columbian life, the European invading nations, settler-colonial policy, and federal-Indian relations in the United States. (A, CSU, UC)

Change: description, advisory **effective Spring 2023**

34 The American Indian in Contemporary Society, 3 units, 3 lecture hours

Advisory: English 1A.

American Indian in North America after the Second World War to the present; emphasis on current events and legislation; issues involving the inherent sovereignty of American Indian nations, civil rights, cultural preservation, and place in modern global society. (A, CSU-GE, UC, I)

Change: description, advisory**effective Spring 2023****35 American Indian Art, 3 units, 3 lecture hours****Advisory:** English 1A.

An interdisciplinary approach examining American Indian cultures and art traditions of North America. Introducing pre-contact and early-contact-era traditions, spiritual practices, and the evolution of American Indian art forms in contemporary times. Exploring the concepts, designs, and techniques of Indigenous art of the Americas. Emphasis on North American Indian tribes and the impact of settler-colonial policy on the traditional Indigenous relationship to place. The art studied will begin from ancient Indigenous civilizations to contemporary art movements. This course also examines socio-political critiques expressed in post-modern Native American art that are responding to topics concerning Social Justice, Eurocentrism, Cultural Appropriation, and Primitivism. (A, CSU-GE, UC, I)

Art (ART)**Change: description, advisory****effective Spring 2023****40 Photography as Art, 3 units, 2 lecture hours, 4 lab hours****Advisory:** English 1A.

Introduction to the historical and contemporary trends, language, aesthetics and emerging media as they relate to analog and/or digital photography. In this course, students will understand the photographic processes, visual principles, and tools of photography as a fine art studio practice. Topics include the historical and contemporary development of aesthetic thinking, elements of design and composition, materials and equipment, and contemporary trends in photography. Emphasis is on the development of visual literacy and creative expression. (A, CSU, UC)

Asian American Studies (ASAMER)**Change: description, advisory****effective Spring 2023****1 Indo-Chinese Americans, 3 units, 3 lecture hours****Advisory:** English 1A.

Look at the history, explore the culture, and study the settlement in America of the peoples of Indo-China. These people include the Vietnamese, Cambodian, Lao, Khmu, Mien, and the Hmong. (A, CSU-GE, UC, I)

Change: advisory**effective Spring 2023****8 Chinese Culture, 3 units, 3 lecture hours****Advisory:** English 1A.**Change: advisory****effective Spring 2023****10 Hmong Culture, 3 units, 3 lecture hours****Advisory:** English 1A.**Change: description, advisory****effective Spring 2023****15 Introduction to Asian-Americans, 3 units, 3 lecture hours****Advisory:** English 1A.

Historical and cultural background of major Asian groups that have immigrated into the United States; including Chinese, Japanese, Filipinos, and Southeast Asians. Examines cultural identity, assimilation, interracial relationships, family influences, discrimination, and generational conflict. (A, CSU-GE, UC, I)

Change: advisory**effective Spring 2023****25 Asian American Social Issues, 3 units, 3 lecture hours****Advisory:** English 1A.**Astronomy (ASTRO)****Change: description, advisory****effective Spring 2023****10 Basic Astronomy, 3 units, 2 lecture hours, 2 lab hours****Advisory:** Mathematics 103 and eligibility for English 1A recommended.

Introductory overview of astronomy. Topics include local sky observing, the motions of the sun, moon, and stars in the sky, Kepler's laws of planetary motion, the solar system, star formation and stellar evolution, black holes, galaxies, and cosmology. Optional field trips. (A, CSU-GE, UC, I)

Biology (BIOL)**Change: advisory****effective Spring 2023****3 Introduction to Life Science, 4 units, 3 lecture hours, 2 lab hours**

Advisory: English 1A.

Change: description, advisory **effective Spring 2023**

4 Principles of Zoology, 5 units, 4 lecture hours, 3 lab hours, (Formerly Zoology 1)

Prerequisite: Mathematics 103 and Biology 11A.

An introductory course for biology majors studying the form, function, and ecology of animals using an evolutionary approach. Field trips are included in this course. (C-ID BIOL 130S = BIOL 4 + BIOL 6) (A, CSU-GE, UC, I)

Change: advisory **effective Spring 2023**

5 Human Biology, 4 units, 3 lecture hours, 2 lab hours

Advisory: English 1A and Mathematics 201.

Change: description, advisory **effective Spring 2023**

6 Principles of Botany, 5 units, 4 lecture hours, 3 lab hours, (Formerly Botany 1)

Prerequisite: Mathematics 103 and Biology 11A.

An introductory course for biology majors studying the form, function, and ecology of plants using an evolutionary approach. Field trips are included in this course. (C-ID BIOL 130S = BIOL 6 + BIOL 4) (A, CSU-GE, UC, I)

Change: description, advisory **effective Spring 2023**

7 Field Biology, 5 units, 3 lecture hours, 6 lab hours

Prerequisite: Biology 3 or 11A with a grade of "C" or better. Completion within the last five years recommended.

Field-based investigation of plants, animals, and fungi emphasizing natural history, taxonomy, and ecology of local species and methods of field study. Weekly required field trips with moderate hiking and a multi-day field trip are included. This is a required course for the Field Biologist Certificate at FCC. (A, CSU-GE, UC)

Change: description **effective Spring 2023**

11A Biology for Science Majors I, 5 units, 4 lecture hours, 3 lab hours

Prerequisite: Mathematics 103. **Advisory:** English 1A.

The first of two introductory courses for biology majors, focusing on concepts in molecular and cellular biology, genetics, inheritance, and evolution. Intended for biology, pre-medical, pre-veterinarian, and pre-pharmacy majors. (C-ID BIOL 190) (A, CSU-GE, UC, I)

Change: description **effective Spring 2023**

11B Biology for Science Majors II, 5 units, 4 lecture hours, 3 lab hours

Prerequisite: Mathematics 103 and Biology 11A.

The second of two introductory courses for biology majors, focusing on concepts surrounding the evolution and classification of Earth's biodiversity, the structure and function of organisms, and ecology. Intended for biology, pre-medical, pre-veterinarian, and pre-pharmacy majors. Field trips are included in this course. (C-ID BIOL 140) (A, CSU-GE, UC, I)

Change: description, advisory **effective Spring 2023**

14 Conservation Biology, 3 units, 3 lecture hours

Advisory: English 1A.

An introductory course in conservation biology. An exploration of phenomena influencing Earth's biological diversity with an emphasis on ecological principles and human impacts. A focus on natural resource use, management and future challenges for a growing human population. (A, CSU-GE, UC, I)

Change: description, prerequisite, advisory **effective Spring 2023**

20 Human Anatomy, 4 units, 3 lecture hours, 3 lab hours

Prerequisite: Biology 5, 11A, or 31 with a grade "C" or better. Completion within the last year recommended.

Advisory: English 1A and Health Information Technology 10.

This course is intended for students planning to complete allied health programs (e.g. Nursing, RadTech) or seeking a degree in Human Biology, although it may also be useful for artists or others interested in the human form. The focus is on the structures of the human body, both large and small. The course includes the dissection of animal specimens. (C-ID BIOL 110B) (A, CSU-GE, UC, I)

Change: description, prerequisite **effective Spring 2023**

21A Human Anatomy & Physiology, 4 units, 3 lecture hours, 3 lab hours

Prerequisite: Biology 5, 11A, or 31. **Anti-Requisite:** Biology 22. **Advisory:** English 1A.

Biology 21A and 21B have been designed for students planning to complete allied health programs (e.g. Nursing) or seeking a degree in Human Biology. This is the first class in the 2-semester sequence. (C-ID BIOL 115S = BIOL 21A + 21B) (A, CSU-GE, UC, I)

Change: description **effective Spring 2023**

21B Human Anatomy & Physiology II, 5 units, 4 lecture hours, 3 lab hours

Prerequisite: Biology 21A and Chemistry 3A. **Advisory:** English 1A.

Biology 21A and 21B have been designed to prepare students planning to complete allied health programs (e.g. Nursing), or seeking a degree in Human Biology. Biology 21B is the second course in the sequence. This course will include animal dissections. (C-ID BIOL 115S = BIOL 21A + 21B) (A, CSU-GE, UC, I)

Change: description **effective Spring 2023**

22 Human Physiology, 5 units, 4 lecture hours, 3 lab hours

Prerequisite: Biology 20 and Chemistry 3A with a grade of "C" or better. Completion within the last year recommended. **Advisory:** English 1A.

This course is intended for students planning to complete allied health programs (e.g. Nursing, RadTech) or seeking a degree in Human Biology. The focus is on the function of the human body systems. (C-ID BIOL 120B) (A, CSU-GE, UC, I)

Change: units, description, advisory **effective Spring 2023**

46 Elementary Horticulture, 4 units, 3 lecture hours, 2 lab hours

Advisory: English 1A.

An introductory and elective course that provides the student with an understanding of the basic principles and practices in the propagation, growth, and care of ornamental and vegetable plants. The course covers plant anatomy, general maintenance, weeds, pests, diseases, fertilizers, soils, propagation, pruning, and training. Intended for students wanting to learn about horticulture and gardening or those preparing for careers relating to horticulture. (A, CSU)

Change: advisory **effective Spring 2023**

47 Topics in Biology, 1-3 units, 1-3 lecture hours, 0-3 lab hours

Advisory: English 1A.

Change: advisory **effective Spring 2023**

55 Introduction to the Biology of Humans, 3 units, 3 lecture hours

Advisory: English 1A.

Change: advisory **effective Spring 2023**

222 Biology Skills, 1 unit, 2 lecture hours, (9 weeks), (Pass/No Pass)

Advisory: English 125 and Mathematics 201.

Chemistry (CHEM)

Change: title, prerequisite, advisory **effective Spring 2023**

1A General Chemistry I, 5 units, 3 lecture hours, 6 lab hours

Prerequisite: Mathematics 3A and Chemistry 3A or high school chemistry with laboratory component. **Advisory:** None.

Change: title, advisory **effective Spring 2023**

1B General Chemistry II, 5 units, 3 lecture hours, 6 lab hours

Prerequisite: Chemistry 1A. **Advisory:** None.

Change: description, advisory **effective Spring 2023**

3A Introductory General Chemistry, 4 units, 3 lecture hours, 3 lab hours, (Replaces Chemistry 2A-2B)

Prerequisite: Mathematics 3A or 103. **Advisory:** None.

Chemistry for applied science and non-science majors. The scientific method; chemical computations; composition of matter, energy, and physical and chemical changes; fundamental laws and principles; atomic and molecular structure; bonding; inorganic nomenclature, kinetic molecular theory, gas laws, solutions, acid-base theories, oxidation-reduction, equilibrium, nuclear chemistry, and qualitative and quantitative theories and techniques. MATH 103 is recommended as a prerequisite for allied health and nursing majors and MATH 3A is recommended as a prerequisite for STEM majors. (C-ID CHEM 101) (A, CSU-GE, UC, I)

Change: advisory **effective Spring 2023**

8A Elementary Organic Chemistry, 3 units, 3 lecture hours, (Formerly Chemistry 8)

Prerequisite: Chemistry 1A or 3A. **Advisory:** None.

Change: description, prerequisite, advisory **effective Spring 2023**

18L Elementary Organic Chemistry Lab, 2 units, 6 lab hours

Prerequisite: Chemistry 1A. **Corequisite:** Chemistry 8A or 28A. **Advisory:** None.

The course will focus on techniques appropriate to an industrial setting. Experiments will cover techniques used to prepare and process samples. Topics include preparation of solutions, solution properties, filtration, extraction, distillation, determination of physical properties. (A, CSU, UC)

Change: description, prerequisite, advisory **effective Spring 2023**

20 Practical Quantitative Analysis, 5 units, 2 lecture hours, 9 lab hours

Prerequisite: Chemistry 1A. **Advisory:** None.

This course is a complement to university quantitative analysis or instrumental analysis courses. While the university courses focus on fundamental theory, this course focuses on practice. Students learn to perform analysis of unknown samples by various techniques with a strong emphasis on modern analytical instrument operation, including software operation, routine maintenance and troubleshooting, and quality control. Instruments used will include Gas Chromatograph-Mass Spectrometer, High Performance Liquid Chromatograph, and Atomic Spectroscopy. (A, CSU, UC)

Change: corequisite, advisory**effective Spring 2023**

28A Organic Chemistry I, 3 units, 3 lecture hours, (Formerly Chemistry 28)
Prerequisite: Chemistry 1B. **Corequisite:** None. **Advisory:** None.

Change: corequisite, advisory**effective Spring 2023**

28B Organic Chemistry II, 3 units, 3 lecture hours
Prerequisite: Chemistry 28A. **Corequisite:** None. **Advisory:** None.

Change: advisory**effective Spring 2023**

29A Organic Chemistry Laboratory I, 2 units, 6 lab hours
Prerequisite: Chemistry 1B. **Corequisite:** Chemistry 28A. **Advisory:** None.

Change: advisory**effective Spring 2023**

29B Organic Chemistry Laboratory II, 2 units, 6 lab hours
Prerequisite: Chemistry 29A. **Corequisite:** Chemistry 28B. **Advisory:** None.

Course deleted**effective Spring 2023**

101P General Chemistry Preparation, 3 units, 2 lecture hours, 2 lab hours

Chicano-Latino Studies (CLS)

Change: description, advisory**effective Spring 2023**

12A Mexican American History: From Mesoamerica to the Mexican American War, 3 units, 3 lecture hours
Advisory: None.

A survey of Mexican American history from the ancient Indigenous civilizations of Mesoamerica to the Mexican American War of 1846-48. Special emphasis is placed on American History from 1492 into the mid 1800's, and upon understanding the historical and contemporary dynamics of colonialism and imperialism. Introduction of concepts such as race, racism, racialization, white supremacy, settler colonialism, indigeneity, and mestizaje. Focus on the impact of European arrival in the Americas, the history of Indigenous, African, and mixed-race people in the formation of Mexico. Spanish and Mexican settlement in what would become the U.S. Southwest, and the early history of Mexicans in the United States. (A, CSU)

Change: description, advisory**effective Spring 2023**

12B Mexican American History: From the Mexican-American War to the Present, 3 units, 3 lecture hours
Advisory: None.

A survey of Mexican American history from the Mexican-American War of 1846-48 to the present, with an emphasis on understanding the historical and contemporary dynamics of racism and white supremacy. Introduction of concepts such as race, racism, racialization, eurocentrism, settler colonialism, indigeneity, and self-determination. Focus on the history of people of Mexican descent in the United States, and exploration of topics such as the Mexican-American War and its aftermath, interpersonal and institutional racism, segregation, immigration and the border, the Zoot Suit Riots and Chicano/a/x participation in WWII, and the many facets of the Chicano/a/x Civil Rights Movement. Introduction to the study of U.S.-Mexico relations, 1848-present. (A, CSU)

Change: description, advisory**effective Spring 2023**

13 Politics and the Chicano-Latino Community, 3 units, 3 lecture hours, (Formerly Cultural Studies 13)
Advisory: None.

An examination of Chicano-Latino political issues, interaction with governmental and political structures, legislation, political parties, pressure groups, political socialization, and political change. In-depth discussion of the Chicano Movement and Chicano-Latino political organizations. (A, CSU, UC)

Change: description, advisory**effective Spring 2023**

14 Sociology of the Mexican American Community, 3 units, 3 lecture hours, (See also Sociology 14), (Formerly Cultural Studies 14)
Advisory: None.

A sociological examination of the Chicano and Latino in American society: this course examines family, religion, education, race and racialization, social class, gender, and political and social institutions. An emphasis is placed on social problems, social issues, and social change relevant to the Chicano-Latino community. (A, CSU, UC)

Change: advisory**effective Spring 2023**

17A Beginning Mexican Folk Dance, 3.5 units, 3 lecture hours, 2 lab hours, (See also Dance 17A), (Formerly Cultural Studies and Chicano-Latino Studies 17)
Advisory: None.

Change: advisory**effective Spring 2023**

17B Beginning Intermediate Mexican Folk Dance, 3.5 units, 3 lecture hours, 2 lab hours, (See also Dance 17B)

Prerequisite: Chicano-Latino Studies 17A or demonstrated experience and skills at the beginning level as assessed by instructor. **Advisory:** None.

Change: description, advisory **effective Spring 2023**

20 Chicano Art, 3 units, 3 lecture hours, (Formerly Cultural Studies 20)

Advisory: None.

Analysis of Mexican, Chicano, and Latino art from the historical to the contemporary. The course explores contemporary art forms and their ancestral cultural base, and includes a survey of Mexican, Chicano, and Latino artistic expressions. (A, CSU-GE, UC, I)

Change: advisory **effective Spring 2023**

21 Chicano Literature, 3 units, 3 lecture hours, (Formerly Cultural Studies 21)

Advisory: English 1A.

Change: description, advisory **effective Spring 2023**

24 La Chicana and Latina, 3 units, 3 lecture hours, (Formerly Cultural Studies 24), (See also Women's Studies 24)

Advisory: None.

This course offers an interdisciplinary analysis of Chicana and Mexican American women in contemporary society. Special emphasis is placed on the role and impact of family, church, education, economics, and politics. An exploration of gender, sexuality, racialization, and intersectionality will occur, as well as a critical review of how struggle, resistance, racial and social justice, solidarity, and liberation emerge in Chicana experiences. (A, CSU, UC)

Change: description, advisory **effective Spring 2023**

27A Intermediate Mexican Folk Dance, 3.5 units, 3 lecture hours, 2 lab hours, (See also Dance 27A)

Prerequisite: Chicano-Latino Studies 17B or demonstrated experience and skills at the beginning level as assessed by instructor. **Advisory:** None.

History of the origin of Mexican dance, from the arrival of the Spaniards to the present time. Analysis of the form, function, and symbolism of the music, musical instruments, movements, and choreographies. Dances practiced and performed at the intermediate level. (A, CSU, UC)

Change: description, advisory **effective Spring 2023**

27B Advanced Mexican Folk Dance, 3.5 units, 3 lecture hours, 2 lab hours, (See also Dance 27B), (Formerly Chicano-Latino Studies 27)

Prerequisite: Chicano-Latino Studies 27A. **Advisory:** None.

History of the origin of Mexican dance, from the arrival of the Spaniards to the present time. Analysis of the form, function, and symbolism of the music, musical instruments, movements, and choreographies. Dances practiced and performed at the advanced level. (A, CSU-GE, UC)

Change: advisory **effective Spring 2023**

30 Migration and the Family: Social and Psychological Perspectives, 3 units, 3 lecture hours, (Formerly Cultural Studies 30)

Advisory: None.

Change: advisory **effective Spring 2023**

33 Community Involvement: Service Learning, 3 units, 3 lecture hours

Advisory: None.

Communication (COMM)

Change: advisory **effective Spring 2023**

12 Fundamentals of Oral Interpretation, 3 units, 3 lecture hours, (See also Theatre Arts 12)

Advisory: English 1A.

Construction (CONS)

Change: description, advisory **effective Spring 2023**

14 Building Inspection, 3 units, 3 lecture hours, (Formerly Building Code and Safety Administration 14)

Advisory: Construction 50.

Familiarization with inspections of residential one and two-family dwellings and wood construction, in preparation for International Code Council (I.C.C.) Building Inspector certification. Students will be introduced to the International Residential Code (IRC). Topics include building planing, site conditions, construction, and building finalization. (A, CSU)

Course deleted **effective Spring 2023**

18 California Disabled Access Regulations, 3 units, 3 lecture hours, (Formerly Building Code and Safety Administration 18)

Change: units, hours, description, advisory **effective Spring 2023**

50 Basic Residential Construction, 3 units, 2 lecture hours, 4 lab hours

Advisory: None.

General introductory and basic skills in residential construction. Emphasis on hand & power tool use and construction safety. Students will learn foundations, framing, roofing, interior and exterior finish techniques and materials. (A, CSU)

Change: description, advisory **effective Spring 2023**

50A Basic Residential Construction, 3 units, 2 lecture hours, 3 lab hours, (Formerly Construction 50)

Advisory: None.

This course provides students with general basic residential construction knowledge and skills including guided hands on practice using hand and power tools to complete simple construction projects including, but not limited to: concrete, framing and roofing. (A, CSU)

Change: description, advisory **effective Spring 2023**

50B Basic Residential Construction, 3 units, 2 lecture hours, 3 lab hours

Advisory: None.

General introductory and basic skills in residential construction. Emphasis on using hand and power tools safely while installing interior and exterior finish, finish carpentry, and roofing. (A, CSU)

Change: units, hours, description, advisory **effective Spring 2023**

51 Residential Construction: Foundations and Framing, 8 units, 4 lecture hours, 13 lab hours, (Formerly Construction 51/52)

Advisory: Construction 50 or 50A.

Students are introduced to the requirements and techniques of properly framing a residential structure per the Residential code. Hands-on construction of a residential house including construction of foundation forms, installation of rough plumbing, placement and finishing of concrete, lay out and construction of wall framing, placement of roof trusses and construction of associated roof framing, and the application of roofing material. (A, CSU)

Change: units, hours, description, prerequisite, advisory **effective Spring 2023**

52A Introductory Construction Management 1, 8 units, 4 lecture hours, 13 lab hours

Prerequisite: Construction 51 and 53. **Advisory:** None.

Students will learn basic construction management skills while taking on the role of lead carpenter during the construction of the construction program's project house or residential related projects. Students will assess and solve a variety of construction-related problems while working with other construction classes. Topics will include scope of projects, safety, estimating, scheduling, cost control, and building code. (A, CSU)

Change: units, hours, description, prerequisite, advisory **effective Spring 2023**

52B Introductory Construction Management 1, 8 units, 3 lecture hours, 16 lab hours

Prerequisite: Construction 51 and 53. **Advisory:** None.

Students will learn basic construction management skills while taking on the role of lead carpenter during the construction of the construction program's project house or residential related projects. Students will assess and solve a variety of construction-related problems while working with other construction classes. Topics will include scope of projects, safety, estimating, scheduling, cost control, and building code. (A, CSU)

Change: units, hours, description, advisory **effective Spring 2023**

53 Residential Construction: Exterior and Interior Finish, 8 units, 4 lecture hours, 13 lab hours, (Formerly Construction 53/54)

Advisory: Construction 50 or 50B.

Students are introduced to the requirements and techniques of properly finishing a residential structure per the Residential code. Hands on construction of a residential related project, including window and door installation, stucco lathing, siding installation, drywall hanging and finishing, cabinet and hardware installation, finish carpentry, interior and exterior painting, fencing, and concrete flat work including driveways and walkways. (A, CSU)

Change: units, hours, description, advisory **effective Spring 2023**

55 Roof Framing Systems, 3 units, 1 lecture hour, 6 lab hours

Advisory: Construction 50 or 50A.

Introduction to conventional and truss roof framing in residential construction. Instruction includes planning, selecting materials, calculations, and hands on construction of roof structures. Student will learn about load paths, structural integrity, various methods of calculations, and construction techniques. During the course instruction the student will construct conventional and roof truss structures. At the conclusion of the course the student would have adequate knowledge to construct a basic roof structure. (A, CSU)

Change: description, corequisite, advisory **effective Spring 2023**

56A Residential Plumbing 1, 3 units, 2 lecture hours, 4 lab hours

Corequisite: None. **Advisory:** None.

Students will design and construct a rough-in plumbing system. Learn to design and install a residential waste, supply water and gas system by hands on installation in a home being built on a permanent site. You will also learn how the plumbing code affects how you design and install your plumbing work. Familiarization with the uniform plumbing code including inspection of systems leading to possible International Association of Plumbing & Mechanical Officials (I.A.P.M.O.) and or The International Code Council (I.C.C.) certification. (A, CSU)

Change: description, corequisite, advisory

effective Spring 2023

56B Residential Plumbing 2, 3 units, 2 lecture hours, 4 lab hours

Corequisite: None. **Advisory:** Construction 56A.

Students will design and construct a finished plumbing system. Correct installation techniques for residential finish plumbing fixtures and the code requirements associated with them. Familiarization with the uniform plumbing code including inspection of systems leading to possible International Association of Plumbing & Mechanical Officials (I.A.P.M.O.) and or The International Code Council (I.C.C.) certification. (A, CSU)

Change: units, hours, description, advisory

effective Spring 2023

60 Energy Efficient Remodeling, 3 units, 2 lecture hours, 4 lab hours

Advisory: Construction 50A and 50B or Construction 50.

Students will learn about energy conservation and apply knowledge to an existing home. Cosmetic and structural residential improvements with an emphasis on improving energy efficiency. Lab to be hands-on in an existing home needing energy efficiency. (A, CSU)

Change: description, advisory

effective Spring 2023

149 Introduction to Construction, 3 units, 2 lecture hours, 3 lab hours

Advisory: Applied Technology 130 and Construction 50.

Overview of trades and careers related to the construction industry. Students will learn safe operation of various tools in the construction industry. Students will also be able to read and understand construction documents. Hands-on lab activities related to various areas of construction. (A)

Change: units, hours, description, corequisite, advisory

effective Spring 2023

175A Residential Wiring 1, 3 units, 2 lecture hours, 3 lab hours, (See also Electrical Systems Technology 175A)

Corequisite: None. **Advisory:** None.

Introduction to residential electrical wiring, installation methods, and circuit design. Students will develop a working knowledge of circuits, conductor sizing, wiring diagrams, grounding requirements, circuit breakers, pipe bending, and service panel installation. Students will have hands-on labs that will include installation of the rough electrical system in the Fresno City College construction program's project house location. (A)

Change: units, hours, description, prerequisite, corequisite, advisory

effective Spring 2023

175B Residential Wiring 2, 3 units, 2 lecture hours, 3 lab hours, (See also Electrical Systems Technology 175B)

Prerequisite: Construction 175A. **Corequisite:** None. **Advisory:** None.

Labs and installation of the finish materials in the college construction program's project house. The final phase of electrical installation includes installation/connections for lighting fixtures, electrical devices, and appliances. Hands-on finish installation labs include circuit troubleshooting, and installation of additional branch circuits. Students will develop the ability to identify residential electrical circuit connections and install receptacles, switches, GFCIs (Ground Fault Circuit Interrupters), AFCIs (Arc Fault Circuit Interrupters), lighting devices, and energy saving technology. (A)

Dance (DANCE)

Change: advisory

effective Spring 2023

17A Beginning Mexican Folk Dance, 3.5 units, 3 lecture hours, 2 lab hours, (See also Chicano-Latino Studies

17A), (Formerly Dance 17)

Advisory: None.

Change: advisory

effective Spring 2023

17B Beginning Intermediate Mexican Folk Dance, 3.5 units, 3 lecture hours, 2 lab hours, (See also Chicano-Latino Studies 17B)

Prerequisite: Chicano-Latino Studies 17A or demonstrated experience and skills at the beginning level as assessed by instructor. **Advisory:** None.

Change: description, advisory

effective Spring 2023

27A Intermediate Mexican Folk Dance, 3.5 units, 3 lecture hours, 2 lab hours, (See also Chicano-Latino Studies 27A)

Prerequisite: Chicano-Latino Studies 17B or demonstrated experience and skills at the beginning level as assessed by instructor. **Advisory:** None.

History of the origin of Mexican dance, from the arrival of the Spaniards to the present time. Analysis of the form, function, and symbolism of the music, musical instruments, movements, and choreographies. Dances practiced and performed at the intermediate level. (A, CSU, UC)

Change: description, advisory**effective Spring 2023**

27B Advanced Mexican Folk Dance, 3.5 units, 3 lecture hours, 2 lab hours, (See also Chicano-Latino Studies 27B), (Formerly Dance 27)

Prerequisite: Chicano-Latino Studies 27A. **Advisory:** None.

History of the origin of Mexican dance, from the arrival of the Spaniards to the present time. Analysis of the form, function, and symbolism of the music, musical instruments, movements, and choreographies. Dances practiced and performed at the advanced level. (A, CSU-GE, UC)

Electrical Systems Technology (EST)

Change: units, hours, description, corequisite, advisory**effective Spring 2023**

175A Residential Wiring 1, 3 units, 2 lecture hours, 3 lab hours, (See also Construction 175A)

Corequisite: None. **Advisory:** None.

Introduction to residential electrical wiring, installation methods, and circuit design. Students will develop a working knowledge of circuits, conductor sizing, wiring diagrams, grounding requirements, circuit breakers, pipe bending, and service panel installation. Students will have hands-on labs that will include installation of the rough electrical system in the Fresno City College construction program's project house location. (A)

Change: units, hours, description, prerequisite, corequisite, advisory**effective Spring 2023**

175B Residential Wiring 2, 3 units, 2 lecture hours, 3 lab hours, (See also Construction 175B)

Prerequisite: Construction 175A. **Corequisite:** None. **Advisory:** None.

Labs and installation of the finish materials in the college construction program's project house. The final phase of electrical installation includes installation/connections for lighting fixtures, electrical devices, and appliances. Hands-on finish installation labs include circuit troubleshooting, and installation of additional branch circuits. Students will develop the ability to identify residential electrical circuit connections and install receptacles, switches, GFCIs (Ground Fault Circuit Interrupters), AFCIs (Arc Fault Circuit Interrupters), lighting devices, and energy saving technology. (A)

Engineering (ENGR)

Change: description, advisory**effective Spring 2023**

1A Elementary Plane Surveying 1, 4 units, 3 lecture hours, 3 lab hours

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

Principles and practice of plane surveying: office computations and design; operation of surveying field equipment; and production of engineering plans/maps. Topics include distances, angles, and directions; differential leveling; traversing; property/boundary surveys; topographic surveys/mapping; volume/earthwork; horizontal and vertical curves; land description techniques; and GPS. Extensive field work using tapes, levels, total stations, and GPS/GNSS equipment. (C-ID ENGR 180) (A, CSU, UC)

Change: advisory**effective Spring 2023**

2 Graphics, 4 units, 2 lecture hours, 6 lab hours, (Formerly Engineering 26)

Prerequisite: Mathematics 4A. **Advisory:** None.

Change: description, advisory**effective Spring 2023**

4 Engineering Materials, 3 units, 3 lecture hours, (Formerly Engineering 32)

Prerequisite: Chemistry 1A and Physics 4A. **Advisory:** None.

Properties of engineering materials and their relation to atomic structure. The effect of microstructure on the mechanical, electrical, magnetic and thermal properties. Phase equilibria and strengthening processes for metals, ceramics, and polymers. (A, CSU, UC)

Change: prerequisite, advisory**effective Spring 2023**

4L Engineering Materials Laboratory, 1 unit, 3 lab hours, (Formerly Engineering 26)

Prerequisite: Chemistry 1A and Physics 4A. **Corequisite:** Engineering 4. **Advisory:** None.

Change: advisory**effective Spring 2023**

5 Programming and Problem Solving in MATLAB, 3 units, 2 lecture hours, 3 lab hours

Prerequisite: Mathematics 5A. **Advisory:** None.

Change: advisory**effective Spring 2023**

8 Statics, 3 units, 3 lecture hours, (Formerly Engineering 25)

Prerequisite: Physics 4A. **Corequisite:** Mathematics 6. **Advisory:** None.

Change: advisory**effective Spring 2023**

10 Introduction to Engineering, 2 units, 1 lecture hour, 3 lab hours

Advisory: English 1A.

Change: advisory**effective Spring 2023**

- 11 **Manufacturing Processes, 3 units, 3 lecture hours**
Advisory: None.

Change: advisory**effective Spring 2023**

- 12 **Digital Logic Design, 4 units, 3 lecture hours, 3 lab hours**
Corequisite: Mathematics 3A or 4B. **Advisory:** None.

English for Multi-Lingual Students (EMLS)**New Course****effective Spring 2023**

- 368RW **Advanced Academic Reading and Writing, 6 lecture hours, (Repeats = 3), (Pass/No Pass)**

Prerequisite: None.

An advanced, academic literacy course one level below transfer and is the final course in the non-credit EMLS academic reading and writing sequence. Emphasis is on refining the academic essay and developing a research essay based on authentic source material. Focus on advancing academic reading, vocabulary, grammar and critical thinking skills. Designed to prepare multilingual students for English 1A and content area courses.

Ethnic Studies (ETHNST)**Change: advisory****effective Spring 2023**

- 10 **Introduction to Ethnic Studies, 3 units, 3 lecture hours, (Formerly American Studies 10)**
Advisory: None.

Change: subject**effective Spring 2023**

- 11 **Law and Democracy, 3 units, 3 lecture hours, (Formerly American Studies 11)**

Global Studies (GLST)**Change: description, advisory****effective Spring 2023**

- 1 **Introduction to Global Studies, 3 units, 3 lecture hours**
Advisory: English 1A.

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

Change: description, advisory**effective Spring 2023**

- 2 **Global Issues, 3 units, 3 lecture hours**
Advisory: English 1A.

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

Graphic Communications (GRC)**Change: units, hours****effective Spring 2023**

- 55 **Social Media Design, 3 units, 2 lecture hours, 3 lab hours**

Health Science (HLTH)**Change: advisory****effective Spring 2023**

- 1 **Contemporary Health Issues, 3 units, 3 lecture hours, (Formerly Health Education 1)**
Advisory: None.

Change: description, advisory**effective Spring 2023**

- 2 **First Aid and Safety, 3 units, 3 lecture hours, (Formerly Health Education 2)**
Advisory: None.

This course involves the theory and detailed demonstration of the first aid care of the injured. The student will learn to assess a victim's condition and incorporate proper treatment. Standard first aid, CPR, and AED certification(s) will be granted upon successful completion of requirements. (C-ID KIN 101) (A, CSU, UC)

Change: title, hours, description, advisory

effective Spring 2023

3 Personal Training, 3 units, 3 lecture hours, 1 lab hour

Advisory: None.

In this course, students learn about the different components of physical fitness, cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition as related to healthy living. Students will design a microcycle workout plan based on goals learned throughout the course. At the end of the course, students are given the option of becoming a certified personal trainer. (C-ID KIN 101) (A, CSU, UC)

Humanities (HUMAN)

Change: prerequisite, advisory

effective Spring 2023

10 Classical Humanities, 3 units, 3 lecture hours

Prerequisite: None. **Advisory:** English 1A.

Change: prerequisite, advisory

effective Spring 2023

11 Modern Humanities, 3 units, 3 lecture hours

Prerequisite: None. **Advisory:** English 1A.

Learning Assistance (LA)

Change: advisory

effective Spring 2023

1 Tutor Training, 1 unit, 1 lecture hour, 1 lab hour

Advisory: None.

Change: advisory

effective Spring 2023

2A Tutor Training: Level I, 1 unit, 2 lecture hours, 2 lab hours, (9 weeks)

Advisory: None.

Change: advisory

effective Spring 2023

2B Tutor Training: Level II, 1 unit, 2 lecture hours, 2 lab hours, (9 weeks)

Advisory: None.

Change: description

effective Spring 2023

3 Methods and Application in Group Instruction, 1 unit, 2 lecture hours, (9 weeks)

Prerequisite: None.

This class explores theories and methods of learning and their effective application. It will specifically address learning through a multidisciplinary lens while promoting group interaction and engagement. All students hired as Extending the Class (ETC) Leaders for the Division of Library and Student Learning Support Services must complete this class during their first year of providing support. Enrolled students will receive instruction regarding the design, implementation, and evaluation of a collaborative and engaged Supplemental Instruction (SI) learning environment. Through experiential learning, ETC Leaders will have the opportunity to develop and strengthen their interpersonal communication and critical thinking skills in preparation of furthering their academic and/or professional careers. (A, CSU)

Change: description

effective Spring 2023

360 High School Equivalency Preparation, 3 lab hours, (Repeats = 99), (Pass/No Pass), (Open Entry/Open Exit)

Prerequisite: None.

The High School Equivalency (HSE) Preparation course equips individuals with the skills and knowledge base necessary to pass the HSE exam. Students review the five examination content areas (language arts-reading and writing, mathematics, social sciences, and science) with particular emphasis on writing and math. Instructors will assess individual skill levels to help the student focus on turning weaknesses into strengths.

Music (MUS)

New Course

effective Spring 2023

380 Senior Skills Applied Music Masterclass, 3 lab hours, (Repeats = 99)

Prerequisite: None.

Intermediate/advanced-level musical performance instruction in a group setting. Students perform for and with peers. Instructor facilitates dialogue about technical, interpretive, practice, performance, and career topics. Primarily for Music

certificate-seeking or non-major students. The course meets the needs of Seniors by accommodating their physical abilities and utilizing their unique related experiences and knowledge.

Nursing, Registered (RN)

Change: course number

effective Spring 2023

37A Pharmacology A: Introduction to Pharmacology, 1 unit, 1 lecture hour, (Formerly Registered Nursing 35A)

New Course

effective Spring 2023

37B Pharmacology B: Nursing Pharmacological Applications, 1 unit, 1 lecture hour

Prerequisite: Registered Nursing 37A. **Corequisite:** Registered Nursing 41, 42, and 42A.

Methodical application of drug information that impacts physiologic body systems including contraindications and precautions, adverse effects and drug interactions. Emphasis is placed on nursing responsibilities such as maximizing therapeutic effects and minimizing adverse effects of drug therapy, appropriate client and family teaching, and ongoing assessment of the client. (A, CSU)

Change: course number, title, units, hours, prerequisite, corequisite, description

effective Spring 2023

37C Pharmacology C: Advanced Nursing Pharmacological Applications, 1 unit, 1 lecture hour, (Formerly Registered Nursing 35B)

Prerequisite: Registered Nursing 37B. **Corequisite:** Registered Nursing 51, 52, and 52A.

Advanced application of drug information that impacts physiologic body systems including contraindications and precautions, adverse effects and drug interactions. Emphasis is placed on nursing responsibilities such as maximizing therapeutic effects and minimizing adverse effects of drug therapy, appropriate client and family teaching, and ongoing assessment of the client. (A, CSU)

Change: prerequisite, corequisite

effective Spring 2023

51 Nursing Care of the Adult with Complex Health Problems, 3 units, 3 lecture hours

Prerequisite: Registered Nursing 41, 42, and 42A. **Corequisite:** Registered Nursing 37C, 52, 52A, and 53.

Change: prerequisite

effective Spring 2023

61 Nursing Care of the Critically Ill Adult and Coordinator of Care, 2.5 units, 2.5 lecture hours

Prerequisite: Registered Nursing 37C, 51, 52, 52A, and 53. **Corequisite:** Registered Nursing 62 and 62A.

Philosophy (PHIL)

Change: description

effective Spring 2023

1A Theories of Knowledge and Reality, 3 units, 3 lecture hours

Corequisite: English 1A.

This course explores some of the deepest questions about human life. What does it mean to be human? How can God coexist with evil? What is the evidence for God's existence anyway? Do we have free will or are our thoughts and actions determined by forces outside our control? What is your mind? Is it nothing more than activity in your brain, or is your mind a soul? What is a soul, and are there good reasons to think souls are real? What is knowledge, why is it valuable, and how can you tell when you have it? Can we know anything with certainty, and does that matter? This class will provide an opportunity to explore these and similar questions, in conversation with texts from some of the greatest minds in human history. (C-ID PHIL 100) (A, CSU-GE, UC, I)

Change: description

effective Spring 2023

1AH Honors Theories of Knowledge and Reality, 3 units, 3 lecture hours, (Formerly Honors 1P)

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

This course explores some of the deepest questions about human life. What does it mean to be human? How can God coexist with evil? What is the evidence for God's existence anyway? Do we have free will or are our thoughts and actions determined by forces outside our control? What is your mind? Is it nothing more than activity in your brain, or is your mind a soul? What is a soul, and are there good reasons to think souls are real? What is knowledge, why is it valuable, and how can you tell when you have it? Can we know anything with certainty, and does that matter? This class will provide an opportunity to explore these and similar questions, in conversation with texts from some of the greatest minds in human history. Honors sections may also focus on an historical overview, or a more in-depth study of a significant branch of philosophy, e.g., philosophy of race, gender, or global issues. (C-ID PHIL 100) (A, CSU-GE, UC, I)

Change: description

effective Spring 2023

1B Social and Political Philosophy, 3 units, 3 lecture hours

Corequisite: English 1A.

This course is an introduction to social and political philosophies; students will examine views of human nature and human happiness, as well as inquiry into the best form of society or government. (A, CSU-GE, UC, I)

Change: description

effective Spring 2023

1C Ethics, 3 units, 3 lecture hours**Corequisite:** English 1A.

This course examines the concepts of morality and values, representative ethical theories, and their applications to contemporary moral problems. Ethical theories covered may include the good life, moral relativism, deontology, utilitarianism, virtue ethics, and feminist and social justice approaches to ethics. Contemporary moral problems may include abortion, environmental ethics, racial and gender justice, euthanasia/assisted suicide, etc. (C-ID PHIL 120) (A, CSU-GE, UC, I)

Change: description**effective Spring 2023****1CH Honors Ethics, 3 units, 3 lecture hours**

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

This course examines the concepts of morality and values, representative ethical theories, and their applications to contemporary moral problems. Ethical theories covered may include the good life, moral relativism, deontology, utilitarianism, virtue ethics, and feminist and social justice approaches to ethics. Contemporary moral problems may include abortion, environmental ethics, racial and gender justice, euthanasia/assisted suicide, etc. Honors sections may also involve a more in-depth study of a significant area of ethics or moral philosophy, and will require additional writing. (C-ID PHIL 120) (A, CSU-GE, UC, I)

Change: description**effective Spring 2023****2 Critical Reasoning and Analytic Writing, 3 units, 3 lecture hours, (Formerly Philosophy 4)****Prerequisite:** English 1A.

This course examines the principles and methods of good reasoning and analytic writing, emphasizing deductive logic (including formal techniques of sentential logic), thesis-driven argumentation, and research strategies. Student will learn how to identify arguments, develop and assess basic deductive and inductive written arguments, common fallacies, and apply each element to various areas of study and real-world situations. (C-ID ENGL 105) (A, CSU-GE, UC, I)

Change: description**effective Spring 2023****2H Honors Critical Reasoning and Analytic Writing, 3 units, 3 lecture hours**

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

This course examines the principles and methods of good reasoning and analytic writing, emphasizing deductive logic (including formal techniques of sentential logic), thesis-driven argumentation, and research strategies. Student will learn how to identify arguments, develop and assess basic deductive and inductive written arguments, common fallacies, and apply each element to various areas of study and real-world situations. Honors sections may also focus on a more in-depth study of a significant branch of philosophy, e.g., philosophy of race, gender, or global issues. (C-ID ENGL 105) (A, CSU-GE, UC, I)

Change: description**effective Spring 2023****3A Ancient Philosophy, 3 units, 3 lecture hours****Advisory:** English 1A.

This course is an introduction to ancient philosophy with an emphasis on Greek thought from the Pre-Socratic philosophers to Aristotle. Students will examine early explanations about the origins of the universe, the nature of the universe, as well as early theories about knowledge and human nature. (C-ID PHIL 130) (A, CSU-GE, UC, I)

Change: description**effective Spring 2023****3B Modern Philosophy, 3 units, 3 lecture hours****Advisory:** English 1A.

This course examines 16th through 18th century philosophy, with an emphasis on broad epistemological and/or metaphysical developments of empiricism and rationalism in philosophical thought from Descartes to Kant and may include approximate precursors and successors. (C-ID PHIL 140) (A, CSU-GE, UC, I)

Change: description**effective Spring 2023****6 Introduction to Logic, 3 units, 3 lecture hours****Advisory:** English 1A.

This course is an introduction to methods of reasoning, including instruction in induction and deduction included, with an emphasis on deduction. The topics covered will include formal and informal fallacies, as well as symbolization, syntax, and natural deduction for sentential and predicate logic. (C-ID PHIL 210) (A, CSU-GE, UC)

Physical Education (PE)**Change: description, advisory****effective Spring 2023****4 Badminton, 1 unit, 3 lab hours, (Formerly Physical Education ACT 1)****Advisory:** None.

In this activity course, students will learn about basic skills, rules, and strategies as they relate to Badminton. This course is suitable for all genders and fitness levels. This course is suitable for all genders and fitness levels. (A, CSU-GE, UC)

Change: description**effective Spring 2023****4B Intermediate Badminton, 1 unit, 3 lab hours****Prerequisite:** Physical Education 4.

This is an expanded approach to the fundamental badminton strokes and strategies obtained in beginning badminton. Students will build upon their knowledge of the game of badminton, and be able to successfully compete with peers of their skill level. (A, CSU-GE)

Change: description, advisory**effective Spring 2023****5 Basketball, 1 unit, 3 lab hours, (Formerly Physical Education ACT 5A)****Advisory:** None.

In this course, students will participate in basketball-related activities. Participation in various drills includes dribbling, shooting, and passing. Different playing styles will be incorporated throughout the semester, including half and full court games against other students. Throughout the course, students will develop motor skills, coordination, and teamwork. This course is suitable for all genders and fitness levels. (A, CSU-GE, UC)

Change: description, advisory**effective Spring 2023****6 Fitness and Health, 1 unit, 3 lab hours, (Formerly Physical Education ACT 15A)****Advisory:** None.

In this activity class, explores various activities to develop posture, strength, flexibility, endurance and relaxation. This class will serve as a survey of different exercise techniques and modalities. This course is suitable for all genders and fitness levels. (A, CSU-GE, UC)

Change: description, advisory**effective Spring 2023****7 Golf, 1 unit, 3 lab hours, (Formerly Physical Education ACT 10)****Advisory:** None.

In this activity course, students will learn and practice grip, stance, and swing fundamentals. Instruction will be based on the short game basics. Each student will receive instruction on golf etiquette, equipment, and the rules of golf. This course is suitable for all genders and fitness levels. (A, CSU-GE, UC)

Change: description, advisory**effective Spring 2023****8 Basic Self Defense, 1 unit, 3 lab hours****Advisory:** None.

In this activity course, students will learn theory and techniques of self-defense and personal safety. Students will experience mental and physical aspects of basic self-defense. Content includes recognizing and avoiding dangers, and skills and strategies for employing physical defense when necessary. This course is suitable for all genders and fitness levels. (A, CSU-GE, UC)

Change: description, advisory**effective Spring 2023****12 Swimming, 1 unit, 3 lab hours, (Formerly Physical Education ACT 16A)****Advisory:** None.

In this activity course, students will participate in swimming skills and techniques for the beginning swimmer. Development of swimming as a fitness activity, beginning stroke skills and proper breathing techniques for adequate lap swimming. This course is suitable for all genders and fitness levels. (A, CSU-GE, UC)

Change: description**effective Spring 2023****12B Intermediate Swimming, 1 unit, 3 lab hours****Prerequisite:** Physical Education 12.

A progression from PE 12, this course is an advanced swim class to further develop swim skills and techniques for intermediate swimmers. Development of swimming fitness activity, stroke development, and techniques for lap swimming. (A, CSU-GE)

Change: description, advisory**effective Spring 2023****13 Tennis, 1 unit, 3 lab hours, (Formerly Physical Education ACT 7)****Advisory:** None.

In this activity course, students cover the basic skills of tennis, including learning proper grip, forehand, backhand, volley and serving. The class will also cover the rules and etiquette of tennis for singles and doubles tennis matches. This course is suitable for all genders and fitness levels. (A, CSU-GE, UC)

Change: description, advisory**effective Spring 2023****13B Intermediate Tennis, 1 unit, 3 lab hours**

Prerequisite: Physical Education 13 or experience playing competitively at the high school junior varsity or varsity level may satisfy prerequisite. **Advisory:** None.

A progression from PE 13, this course is an advanced tennis class to further develop the forehand, backhand, volley, and serving. The class will also cover strategies for singles and doubles match play. (A, CSU-GE, UC)

Change: description, advisory**effective Spring 2023****14 Volleyball, 1 unit, 3 lab hours, (Formerly Physical Education ACT 56)****Advisory:** None.

In this activity course, students will learn about the volleyball serve, positions, technique, drills, and conditioning. This activity course is designed for all skill levels. This course is suitable for all genders and fitness levels. (A, CSU-GE, UC)

Change: description, advisory **effective Spring 2023**

15A Weight Training (Women), 1 unit, 3 lab hours, (Formerly Physical Education ACT 11B)

Advisory: None.

In this activity course, students will learn total body development by exercising against weighted resistance, isotonic and circuit exercises. Class is structured to satisfy the strength building needs of women. Students will safety learn how to exercise, the use of various fitness equipment, and the importance of lifelong physical activity. This course is suitable for all genders and fitness levels. (A, CSU-GE, UC)

Change: description, advisory **effective Spring 2023**

15B Weight Training (Men), 1 unit, 3 lab hours, (Formerly Physical Education ACT 11A)

Advisory: None.

In this activity course, students will learn total body development by exercising against weighted resistance, isotonic and circuit exercises. Class is structured to satisfy the strength building needs of men. Students will safety learn how to exercise, the use of various fitness equipment, and the importance of lifelong physical activity. This course is suitable for all genders and fitness levels. (A, CSU-GE, UC)

Change: units, hours, description, advisory **effective Spring 2023**

15C Weight Training (Coed), 1 unit, 3 lab hours, (Formerly Physical Education ACT 11C)

Advisory: None.

In this activity course, students will learn total body development by exercising against weighted resistance, isotonic and circuit exercises. Class is structured to satisfy the strength building needs of both men and women. Students will safety learn how to exercise, the use of various fitness equipment, and the importance of lifelong physical activity. This course is suitable for all genders and fitness levels. (A, CSU-GE, UC)

Change: title, description, advisory **effective Spring 2023**

17 Yoga, 1 unit, 3 lab hours, (Formerly Physical Education ACT 28)

Advisory: None.

In this course, students will learn how to become the calm, serene person you would like to be and relieve the tension of everyday life with regular yoga practice. Yoga is a mental and physical conditioning program that brings the mind, body and spirit together in union. The ultimate goal is to develop a calm mind and a strong, healthy and relaxed body. This yoga class is for people of all ages, shapes and sizes, regardless of injuries or surgery. This course is suitable for all genders and fitness levels. (A, CSU-GE, UC)

Change: description **effective Spring 2023**

18A Sports Medicine Lab A, 2 units, 6 lab hours, (Formerly Physical Education 19)

Advisory: None.

In this course, students will operate under a supervised professional in order to gain experience in the Sports Medicine field. Students will be placed under an Athletic Trainer, Physical Therapist, or other allied healthcare field in order to learn the ins and outs of that profession. This course is recommended for students that have taken PE 20 or a Sports Medicine course at their high school. This is a Fall semester course. (A, CSU)

Change: description, advisory **effective Spring 2023**

18B Sports Medicine Lab B, 2 units, 6 lab hours

Advisory: None.

In this course, students will operate under a supervised professional in order to gain experience in the Sports Medicine field. Students will be placed under an Athletic Trainer, Physical Therapist, or other allied healthcare field in order to learn the ins and outs of that profession. This course is recommended for students that have taken PE 20 or a Sports Medicine course at their high school. This is a Spring semester course. (A, CSU)

Change: title, description **effective Spring 2023**

20 Emergency Care and Injury Prevention, 4 units, 3 lecture hours, 3 lab hours, (Formerly Physical Education PRE 32)

Prerequisite: None.

This course educates students about the human body as it pertains to prevention, identification, and treatment. Students will learn about anatomy & physiology and its importance for proper healing of the body. Be able to identify medical concepts such as general medical conditions, concussions, and musculoskeletal injuries as it pertains to athletic populations. Students will engage in hands-on activities with a focus on learning, practicing, and mastering first aid & wound care, CPR, and related skills. This course is ideal for individuals interested in the Sports Medicine field including but not limited to: Athletic Training, Physical Therapy, and Emergency Room Technician. (A, CSU, UC)

Change: description, advisory **effective Spring 2023**

24 Sports Officiating, 2 units, 2 lecture hours

Advisory: None.

In this class, students will understand and interpret the rules and mechanics of officiating one or more of the following activities: baseball, basketball, football, flag football, soccer, softball, track, and volleyball. (A, CSU, UC)

- Change: description, advisory** **effective Spring 2023**
26 Sports Psychology, 3 units, 3 lecture hours
Advisory: None.
In this course, students will study and application of psychological principles and foundations to sport and exercise. Students will also explain and promote concepts and applied principles of sport and exercise psychology. (A, CSU, UC)
- Change: title, description, advisory** **effective Spring 2023**
27 High Intensity Interval Training, 1 unit, 3 lab hours
Advisory: None.
In this activity course, students will design to improve cardiovascular fitness using various exercise intervals. Students will perform a variety of body weight, strength training, and cardio exercises to increase endurance, strength, and knowledge of this type of health and fitness program. This course is suitable for all genders and fitness levels. (A, CSU-GE, UC)
- Change: description, advisory** **effective Spring 2023**
28 Foundations of Coaching, 3 units, 3 lecture hours
Advisory: None.
This is an introduction to the profession of athletic coaching. Theories and practices that provide the foundation to coaching at any level and any sport. This includes coaching philosophies, communication skills, motivational techniques, principles for training, and program management. (A, CSU, UC)
- Change: title, repeats, description, advisory** **effective Spring 2023**
29B Intercollegiate Badminton, 3 units, 9.5 lab hours, (Repeats = 3)
Advisory: None.
In this course, students will learn badminton rules and strategy. Students will identify and demonstrate skills related to the sport of badminton. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)
- Change: title, repeats, description, advisory** **effective Spring 2023**
29C Off-Season Intercollegiate Badminton, 1 unit, 3 lab hours, (Repeats = 3)
Advisory: None.
This course is designed for off-season badminton student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)
- Change: title, repeats, description, advisory** **effective Spring 2023**
30B Intercollegiate Baseball, 3 units, 9.5 lab hours, (Repeats = 3), (Formerly Physical Education INT 41)
Advisory: None.
In this course, students will learn baseball rules and strategy. Students will identify and demonstrate skills related to the sport of baseball. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)
- Change: title, repeats, description, advisory** **effective Spring 2023**
30C Off-Season Intercollegiate Baseball, 1 unit, 3 lab hours, (Repeats = 3)
Advisory: None.
This course is designed for off-season baseball student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)
- Change: title, repeats, description, advisory** **effective Spring 2023**
31B Intercollegiate Basketball, 3 units, 9.5 lab hours, (Repeats = 3), (Formerly Physical Education INT 40)
Advisory: None.
In this course, students will learn basketball rules and strategy. Students will identify and demonstrate skills related to the sport of basketball. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)
- Change: title, repeats, description, advisory** **effective Spring 2023**
31C Off-Season Intercollegiate Basketball, 1 unit, 3 lab hours, (Repeats = 3)
Advisory: None.
This course is designed for off-season basketball student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)
- Change: title, repeats, description, advisory** **effective Spring 2023**
32B Intercollegiate Cross Country, 3 units, 9.5 lab hours, (Repeats = 3), (Formerly Physical Education INT 48)
Advisory: None.
In this course, students will learn cross-country rules and strategy. Students will identify and demonstrate skills related to the sport of cross country. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)
- Change: title, repeats, description, advisory** **effective Spring 2023**
33B Intercollegiate Football, 3 units, 9.5 lab hours, (Repeats = 3), (Formerly Physical Education INT 42)

Advisory: None.

In this course, students will learn football rules and strategy. Students will identify and demonstrate skills related to the sport of football. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor or head coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory

effective Spring 2023

33C Off-Season Intercollegiate Football, 1 unit, 3 lab hours, (Repeats = 3)

Advisory: None.

This course is designed for off-season football student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory

effective Spring 2023

34B Intercollegiate Golf, 3 units, 9.5 lab hours, (Repeats = 3), (Formerly Physical Education INT 46)

Advisory: None.

In this course, students will learn golf rules and strategy. Students will identify and demonstrate skills related to the sport of golf. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory

effective Spring 2023

34C Off-Season Intercollegiate Golf, 1 unit, 3 lab hours, (Repeats = 3)

Advisory: None.

This course is designed for off-season golf student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, description, advisory

effective Spring 2023

35B Intercollegiate Cheer and Stunt, 3 units, 9.5 lab hours, (Repeats = 3), (Formerly Physical Education INT 38)

Advisory: None.

This course is designed primarily for students possessing the desire, ability, and skills necessary to participate in cheer and stunt on the collegiate level. Prospective participants should confer with the instructor before enrollment. (A, CSU-GE, UC)

Change: title, repeats, description, advisory

effective Spring 2023

36B Intercollegiate Soccer, 3 units, 9.5 lab hours, (Repeats = 3), (Formerly Physical Education INT 39)

Advisory: None.

In this course, students will learn soccer rules and strategy. Students will identify and demonstrate skills related to the sport of soccer. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory

effective Spring 2023

36C Off-Season Intercollegiate Soccer, 1 unit, 3 lab hours, (Repeats = 3)

Advisory: None.

This course is designed for off-season soccer student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory

effective Spring 2023

37B Intercollegiate Softball, 3 units, 9.5 lab hours, (Repeats = 3), (Formerly Physical Education INT 36)

Advisory: None.

In this course, students will learn softball rules and strategy. Students will identify and demonstrate skills related to the sport of softball. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory

effective Spring 2023

37C Off-Season Intercollegiate Softball, 1 unit, 3 lab hours, (Repeats = 3)

Advisory: None.

This course is designed for off-season softball student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory

effective Spring 2023

38B Intercollegiate Tennis, 3 units, 9.5 lab hours, (Repeats = 3), (Formerly Physical Education INT 44)

Advisory: None.

In this course, students will learn tennis rules and strategy. Students will identify and demonstrate skills related to the sport of tennis. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory

effective Spring 2023

38C Off-Season Intercollegiate Tennis, 1 unit, 3 lab hours, (Repeats = 3)

Advisory: None.

This course is designed for off-season tennis student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory **effective Spring 2023**

39B Intercollegiate Track and Field, 3 units, 9.5 lab hours, (Repeats = 3), (Formerly Physical Education INT 43)

Advisory: None.

In this course, students will learn track and field rules and strategy. Students will identify and demonstrate skills related to the sport of track and field. This course is designed for intercollegiate student athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory **effective Spring 2023**

39C Off-Season Intercollegiate Track and Field, 1 unit, 3 lab hours, (Repeats = 3)

Advisory: None.

This course is designed for off-season track and field student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory **effective Spring 2023**

40B Intercollegiate Women's Volleyball, 3 units, 9.5 lab hours, (Repeats = 3), (Formerly Physical Education INT 37)

Advisory: None.

In this course, students will learn women's volleyball rules and strategy. Students will identify and demonstrate skills related to the sport of women's volleyball. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory **effective Spring 2023**

40C Off-Season Intercollegiate Women's Volleyball, 1 unit, 3 lab hours, (Repeats = 3)

Advisory: None.

This course is designed for off-season women's volleyball student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory **effective Spring 2023**

41B Intercollegiate Men's Wrestling, 3 units, 9.5 lab hours, (Repeats = 3), (Formerly Physical Education INT 45)

Advisory: None.

In this course, students will learn to men's wrestle rules and strategy. Students will identify and demonstrate skills related to the sport of men's wrestling. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory **effective Spring 2023**

41C Off-Season Intercollegiate Men's Wrestling, 1 unit, 3 lab hours, (Repeats = 3)

Advisory: None.

This course is designed for off-season men's wrestling student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory **effective Spring 2023**

42B Intercollegiate Women's Water Polo, 3 units, 9.5 lab hours, (Repeats = 3)

Advisory: None.

In this course, students will learn women's water polo rules and strategy. Students will identify and demonstrate skills related to the sport of women's water polo. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory **effective Spring 2023**

42C Off-Season Intercollegiate Women's Water Polo, 1 unit, 3 lab hours, (Repeats = 3)

Advisory: None.

This course is designed for off-season women's water polo student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory **effective Spring 2023**

43B Intercollegiate Women's Swimming and Diving, 3 units, 9.5 lab hours, (Repeats = 3)

Advisory: None.

In this course, students will learn women's swimming and diving rules and strategy. Students will identify and demonstrate skills related to the sport of women's swimming and diving. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory **effective Spring 2023**

43C Off-Season Intercollegiate Women's Swimming and Diving, 1 unit, 3 lab hours, (Repeats = 3)

Advisory: None.

This course is designed for off-season women's swimming and dive student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory **effective Spring 2023**

44B Intercollegiate Women's Beach Volleyball, 3 units, 9.5 lab hours, (Repeats = 3)

Advisory: None.

In this course, students will learn women's beach volleyball rules and strategy. Students will identify and demonstrate skills related to the sport of women's beach volleyball. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description, advisory **effective Spring 2023**

44C Off-Season Intercollegiate Women's Beach Volleyball, 1 unit, 3 lab hours, (Repeats = 3)

Advisory: None.

This course is designed for off-season women's beach volleyball student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: units, hours, description, advisory **effective Spring 2023**

45 Performance Training and Conditioning Techniques for Intercollegiate Athletes, 0.5-1 unit, 2-3 lab hours, (Repeats = 3)

Advisory: None.

This activity course is designed for intercollegiate student-athletes only. This course is sport specific and includes resistance, cardiorespiratory, flexibility, agility, and power training at the intercollegiate level. Please contact your counselor and coach. (A, CS-GE U, UC)

Change: title, repeats, description **effective Spring 2023**

46B Intercollegiate Women's Wrestling, 3 units, 9.5 lab hours, (Repeats = 3)

Prerequisite: None.

In this course, students will learn women's wrestling rules and strategy. Students will identify and demonstrate skills related to the sport of women's wrestling. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

Change: title, repeats, description **effective Spring 2023**

46C Off-Season Intercollegiate Women's Wrestling, 1 unit, 3 lab hours, (Repeats = 3)

Prerequisite: None.

This course is designed for off-season women's wrestling student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU-GE, UC)

New Course **effective Spring 2023**

47B Intercollegiate Electronic Sports, 3 units, 9.5 lab hours, (Repeats = 2)

Prerequisite: None.

In this course, students will learn electronic sports rules and strategy. Students will identify and demonstrate skills related to the sport of electronic sports. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU)

New Course **effective Spring 2023**

47C Off-Season Intercollegiate Electronic Sports, 1 unit, 3 lab hours, (Repeats = 2)

Prerequisite: None.

This course is designed for off-season electronic sports student-athletes. This course is designed for intercollegiate Student-Athletes only. Please contact your counselor and coach. (A, CSU)

Change: description, advisory **effective Spring 2023**

62 Introduction to Kinesiology, 3 units, 3 lecture hours, (Formerly Physical Education 22 and Physical Education PRE 35)

Advisory: None.

This course educates students on the nature and scope of Kinesiology and its sub-disciplines. Students learn about historical background, philosophy, curriculum, current problems, issues, and career options as they relate to sports and exercise. (C-ID KIN 100) (A, CSU, UC)

Change: description, advisory **effective Spring 2023**

71 Soccer, 1 unit, 3 lab hours

Advisory: None.

This course covers the basic skills of soccer and futsal; including dribbling, passing, receiving and shooting. The class will also cover the official (FIFA) rules of soccer and futsal. The emphasis is to teach the skills and playing games under the official rules of futsal inside the gym for the first half of the semester. The second section of the class will cover skills and playing games under the official rules of soccer on the soccer field. This course is suitable for all genders and fitness levels. (A, CSU-GE, UC)

Change: description, advisory **effective Spring 2023**

72 Spinning for Fitness, 1 unit, 3 lab hours

Advisory: None.

In this activity course, students will improve overall physical fitness and health through the use of stationary spin bikes. Proper spin techniques and safety practices are demonstrated. This course is suitable for all genders and fitness levels. (A, CSU-GE, UC)

Physics (PHYS)

Change: advisory

effective Spring 2023

2A General Physics 1, 4 units, 3 lecture hours, 3 lab hours
Prerequisite: Mathematics 4A. **Advisory:** None.

Change: advisory

effective Spring 2023

4A Physics for Scientists and Engineers, 4 units, 3 lecture hours, 3 lab hours
Corequisite: Mathematics 5B. **Advisory:** None.

Political Science (POLSCI)

Change: description, advisory

effective Spring 2023

1 Modern Politics, 3 units, 3 lecture hours
Advisory: None.

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

Change: description, prerequisite

effective Spring 2023

2 American Government, 3 units, 3 lecture hours
Prerequisite: None. **Advisory:** English 1A.

The field of American politics deals with the organization, distribution and orientation of political power in American society. This course surveys the processes and institutions of United States national government including California state and local government. Among the topics discussed are individual political attitudes and values, political participation, voting, parties, interest groups, Congress, the presidency, Supreme Court, the federal bureaucracy, civil liberties and civil rights, and domestic and foreign policy making. Attention is paid both to the present state of the American political system and to its historical roots. (C-ID POLS 110) (A, CSU-GE, UC, I)

Change: description, prerequisite, advisory

effective Spring 2023

2H Honors American Government, 3 units, 3 lecture hours

Prerequisite: None. **Advisory:** English 1A and meet the qualifications for consideration for acceptance into the Honors Program recommended. See Honors Program listing in the college catalog.

The field of American politics deals with the organization, distribution and orientation of political power in American society. This course surveys the processes and institutions of United States national government including California state and local government. Among the topics discussed are individual political attitudes and values, political participation, voting, parties, interest groups, Congress, the presidency, Supreme Court, the federal bureaucracy, civil liberties and civil rights, and domestic and foreign policy making. Attention is paid both to the present state of the American political system and to its historical roots.

In addition, Honors sections investigate in detail the original design of the American political system, including the values imbued in the Constitution, the construction of the federal system, and the legal responsibilities of the major actors, and contrast those features with the current conditions in American politics. Emphasis is given to explaining the differences between the two situations, and requiring students to suggest how access to the present system can be gained and used. (C-ID POLS 110) (A, CSU-GE, UC, I)

Change: advisory

effective Spring 2023

3 Introduction to Political Theory and Thought, 3 units, 3 lecture hours
Advisory: English 1A.

Change: advisory

effective Spring 2023

5 Comparative Government, 3 units, 3 lecture hours
Advisory: Political Science 2 and English 1A.

Change: description

effective Spring 2023

6 California Politics and Government, 1 unit, 1 lecture hour
Prerequisite: None.

Analysis of the executive, judicial, legislative and local government structures and processes of California Government. Satisfies the California state and local government (US-3) of the CSU's American Institutions and Ideals graduation requirement. (A, CSU-GE, UC)

Change: advisory

effective Spring 2023

13 Legal and Judicial Reasoning, 3 units, 3 lecture hours
Advisory: English 1A.

Change: description, advisory

effective Spring 2023

24 International Relations, 3 units, 3 lecture hours
Advisory: None.

How nations manage their relations with other nations, their perceptions of themselves and of each other, and their use of power to achieve their objectives. Issues facing the U.S. and the world community. (C-ID POLS 140) (A, CSU-GE, UC, I)

Change: advisory **effective Spring 2023**

25 Model United Nations, 3 units, 3 lecture hours

Advisory: None.

Change: description, advisory **effective Spring 2023**

110 American Institutions, 3 units, 3 lecture hours, (Formerly Political Science 10)

Advisory: None.

Current problems of American and California governments, including federal, state, and local institutions. (A)

Change: title **effective Spring 2023**

200 Movement for Production, 2 units, 1 lecture hour, 3 lab hours

Recreation (REC)

Change: description, advisory **effective Spring 2023**

20 Introduction to Recreation, 3 units, 3 lecture hours

Advisory: None.

This course provides an overview of the many prongs of recreation (Tourism, Planning, Facility Management, Recreation Therapy & Outdoor). Gives the history of the Tourism, Facility Management, Planning and Non-Profit sector of Recreation. Provides an opportunity to learn a comprehensive history and understanding of the Recreation Leadership Major. This course provides examples of Recreation Careers in many different areas. (A, CSU)

Change: description, advisory **effective Spring 2023**

21 Recreational Leadership, 3 units, 3 lecture hours

Advisory: None.

This course is a comprehensive survey of recreational activities and facilities. Various agencies that govern and administer recreation programs will be studied. This course will examine the trends and philosophies of education for leisure, outdoor recreation programs, and camping. (A, CSU)

Change: description **effective Spring 2023**

23 Outdoor Recreation, 3 units, 2 lecture hours, 3 lab hours

Corequisite: Recreation 20.

Students will learn about the history, development, principles and trends of organized camping, nature and conservation, and outdoor recreation. In this class we will be going on many field trips, including camping and hiking activities. Practical skills learned are fire crafts, outdoor cooking, and backpacking. This course is ideal for leadership training in camp counseling. (A, CSU)

Sociology (SOC)

Change: description, advisory **effective Spring 2023**

14 Sociology of the Mexican American Community, 3 units, 3 lecture hours, (See also Chicano-Latino Studies 14)

Advisory: None.

A sociological examination of the Chicano and Latino in American society: this course examines family, religion, education, race and racialization, social class, gender, and political and social institutions. An emphasis is placed on social problems, social issues, and social change relevant to the Chicano-Latino community. (A, CSU, UC)

Theatre Arts (TA)

Change: advisory **effective Spring 2023**

12 Fundamentals of Oral Interpretation, 3 units, 3 lecture hours, (See also Communication 12)

Advisory: English 1A.

Change: description, advisory **effective Spring 2023**

23 Technical Theatre Practicum, 3 units, 1 lecture hour, 6 lab hours

Advisory: English 1A.

Application of production responsibilities in one or more of the following areas: stage management, house management, construction, scenery, properties, costumes, lighting, sound, and running crew. Students will serve on the crew for a department or community production, requiring some night and weekend hours. (C-ID THTR 192) (A, CSU, UC)

Change: units, hours, advisory **effective Spring 2023**
25 Stagecraft, 2 units, 2 lecture hours, 1 lab hour, (Formerly Theatre Arts 34A)
Advisory: English 1A.

Change: title, description, advisory **effective Spring 2023**
27A Introduction to Scenic Design - Theatre and Film, 3 lecture hours, 1 lab hour, (Formerly Theatre Arts 39, 40, and 41)

Advisory: English 1A.
 Introduction to Scene Design is a discussion and project-based course which studies the skills, techniques, communication and collaboration, thought process, and presentation that goes into designing scenery for the stage at an introductory level. The course will examine the work of prominent scenic designers and their relevant works as well as looking at other types of careers that a scenic design background can nurture. Students will be challenged to conceptualize, develop, and curate the "world of the play" through their own thoughtful analysis and interpretation of the script. Research, rendering, drafting, model building, storyboarding, and presentation skills will be explored through the various projects. (A, CSU, UC)

Change: description, advisory **effective Spring 2023**
27B Introduction to Lighting Design, 3 units, 3 lecture hours, 1 lab hour, (Formerly Theatre Arts 27)

Advisory: English 1A.
 Designed to acquaint the student with the art and practice of lighting design for the theatre, this course will include lighting equipment and control, script analysis, design methodologies, drafting, cueing, additive and subtractive color theory, lighting for dance, musicals and alternate theatre. Assignments include theoretical and realized lighting designs for theatre or dance productions. (C-ID THTR 173) (A, CSU, UC)

Change: advisory **effective Spring 2023**
28 Introduction to Stage Makeup, 3 units, 2 lecture hours, 3 lab hours, (Formerly Theatre Arts 37)
Advisory: English 1A.

Change: description, advisory **effective Spring 2023**

29A Advanced Technical Theatre Practicum I, 1 unit, 3 lab hours
Prerequisite: Theatre Arts 23. **Advisory:** English 1A.

Topics in more advanced technical theatre and stage crew leadership beyond the scope of TA23. Students may specialize in one or more of the following areas (with instructor approval): scenery, properties, costumes, make-up, lighting, sound, projection and special effects. (A, CSU, UC)

Change: description **effective Spring 2023**

29B Advanced Technical Theatre Practicum II, 1 unit, 3 lab hours
Prerequisite: Theatre Arts 29A.

Topics in advanced technical theatre beyond the scope of TA29A. Students may specialize in one or more of the following areas (with instructor approval): scenery, properties, costumes, make-up, lighting, sound, projection, and special effects. (A, CSU, UC)

Change: description, advisory **effective Spring 2023**

30 Theatre Appreciation, 3 units, 3 lecture hours
Advisory: English 1A.

This course surveys the art of theatre. Students will learn about the process of creating theatre through study of the production process and the many artists who participate in the creation of theatre. Through videos and attendance at live theatre, students will also learn the various forms of theatre, such as tragedy and comedy and various modes of presentation, both presentational and representational. Students will also be introduced to theatre's historical roots and its diversity as expressed in various cultures throughout the globe. (C-ID THTR 111 AND THTR 112) (A, CSU-GE, UC, I)

Change: description, advisory **effective Spring 2023**

31 Theatre History and Dramatic Literature I, 3 units, 3 lecture hours, (Formerly Theatre Arts 32A)
Advisory: English 1A.

Survey of the Theatre history and dramatic literature of Western culture from Ancient Greeks through 18th Century. The history and development of theatre and drama are studied in relationship to cultural, political, and social conditions of the time. (C-ID THTR 113) (A, CSU-GE, UC, I)

Change: advisory **effective Spring 2023**

32 Theatre History and Dramatic Literature II, 3 units, 3 lecture hours, (Formerly Theatre Arts 32B)
Advisory: English 1A.

Change: description, advisory **effective Spring 2023**

35 Costume Crafts, 3 units, 3 lecture hours, (Formerly Theatre Arts 35A)
Advisory: English 1A.

Techniques of theory and application of costume crafts for the stage, including use of equipment, fabrics and materials appropriate to costume accessory and craft making, and preparation of appropriate accessories. (A, CSU, UC)

Change: advisory **effective Spring 2023**

- 36 Costume Design, 3 units, 3 lecture hours, (Formerly Theatre Arts 35B)**
Advisory: English 1A.

Change: description**effective Spring 2023**

- 38 Script Analysis, 3 units, 3 lecture hours**
Advisory: English 1A.

Principles, theories and techniques of play script analysis for theatrical production. This course explores an in-depth methodology of reading, analyzing and understanding play scripts in a variety of genres and styles intended for production. Investigating techniques used to determine how to read a play for its structure, scrutinizing the playwright's methods of creating theatre through plot, character and imagery, and understanding what scripts "mean" to the professional theatre artist and theatre-goer as distinct from other forms of literature. (C-ID THTR 114) (A, CSU, UC)

Change: description**effective Spring 2023**

- 39A Intermediate Crew Practicum I, 1 unit, 3 lab hours**
Prerequisite: Theatre Arts 23.

An intermediate exploration of application of production responsibilities in one or more of the following areas: stage management, house management, construction, scenery, properties, costumes, lighting, sound, and running crew. Students will serve on the crew for a department or community production, requiring some night and weekend hours. (A, CSU, UC)

Change: description**effective Spring 2023**

- 39B Intermediate Crew Practicum II, 1 unit, 3 lab hours**
Prerequisite: Theatre Arts 39A.

An advanced exploration of leadership roles in production responsibilities leading small teams in one or more of the following areas: stage management, house management, construction, scenery, properties, costumes, lighting, sound, and running crew. Students will serve on the crew for a department or community production, requiring some night and weekend hours. (A, CSU, UC)

Change: advisory**effective Spring 2023**

- 40 Performance Practicum, 3 units, 1 lecture hour, 6 lab hours, (Repeats = 3)**
Advisory: English 1A.

Change: advisory**effective Spring 2023**

- 41 Beginning Acting, 3 units, 3 lecture hours, (Formerly Theatre Arts 31A)**
Advisory: English 1A.

Change: advisory**effective Spring 2023**

- 42 Beginning Acting for Theatre Majors, 3 units, 2 lecture hours, 4 lab hours**
Advisory: English 1A.

Change: description, advisory**effective Spring 2023**

- 43 Intermediate Acting, 3 units, 3 lecture hours, (Formerly Theatre Arts 31B)**
Prerequisite: Theatre Arts 41 or 42. **Advisory:** English 1A.

Improvisation, body movement, character development, techniques to develop voice for the stage, classical and contemporary monologues and scene study with class performance. (C-ID THTR 152) (A, CSU, UC)

Change: description, advisory**effective Spring 2023**

- 44A Actors Workshop, 3 units, 2 lecture hours, 3 lab hours, (Formerly Theatre Arts 38A and 38B, 38, and 44)**
Prerequisite: Theatre Arts 41 or 42. **Advisory:** Theatre Arts 43 and English 1A.

Skill development for actors with intermediate acting experience. Explores elements of performance styles, scene work of classical and contemporary materials, and auditioning techniques. (A, CSU-GE, UC)

Change: description, advisory**effective Spring 2023**

- 44B Actors Workshop 2, 3 units, 2 lecture hours, 3 lab hours, (Formerly Theatre Arts 38A and 38B, 38, and 44)**
Prerequisite: Theatre Arts 44A. **Advisory:** English 1A.

Skill development for actors with advanced acting experience. Explores elements of performance styles, scene work of classical and contemporary materials, and auditioning techniques. Memorization skills required. (A, CSU, UC)

Change: description, advisory**effective Spring 2023**

- 45 Kennedy Center American College Theater Festival Topics, 2 units, 2 lecture hours, 4 lab hours, (9 weeks), (Repeats = 3)**

Prerequisite: Students must either be selected by Kennedy Center American College Theater Festival adjudicators for participation in the festival, or be approved by the instructor to attend. **Advisory:** English 1A.

This course is designed to prepare technical theatre and acting students who wish to attend and participate at the Kennedy Center American College Theater Festival (a.k.a. KCACTF). KCACTF is both a regional and national theater arts festival in which those participating are provided the opportunity to join in masterclasses, attend the invited theatrical performances and partake in adjudication/competition events. (A, CSU)

Change: description, advisory**effective Spring 2023**

- 46 Voice for the Actor, 3 units, 3 lecture hours**

Advisory: English 1A.

Principals of the use of voice and speech for stage performance including Standard American Speech (IPA), diaphragmatic breath control, relaxation techniques, enunciation, articulation, projection, vocal characterization, vocal energy, imagination, and visualization in creating artistic and authentic self-expression. (A, CSU, UC)

Change: description, advisory

effective Spring 2023

48A Teasers I, 0.5 unit, 0.5 lecture hour, and 2 lab hours, (Formerly Theatre Arts 48)

Advisory: English 1A.

Creation, rehearsal, and performance of new plays for public presentation. Participation in a Fresno City College theatre production of Teasers is required. (A, CSU)

Change: description, advisory

effective Spring 2023

48B Teasers II, 0.5 unit, 0.5 lecture hour, and 2 lab hours

Advisory: English 1A.

Techniques for collaborative work on the creation, rehearsal, and performance of new plays for public presentation. Participation in a Fresno College production of Teasers is required. (A, CSU)

Change: units, hours, description, advisory

effective Spring 2023

49 Introduction to Theatre Design, 2 units, 2 lecture hours, 1 lab hour

Advisory: English 1A.

A survey of scenery, sound, costumes, makeup, properties, theatrical equipment and construction techniques through demonstration, and laboratory experience. Information is application to all formal theatrical applications. Through demonstration and laboratory experiences, students gain an understanding of the organization of theatre (technical personnel) as well as an appreciation for theatrical design. (A, CSU)

Change: description

effective Spring 2023

348 Senior Play Production, 1 lecture hour, 9 lab hours, (16 weeks), (Unlimited Repeats), (Formerly Theatre Arts 80)

Advisory: Theatre Arts 347.

Organize, write, cast, rehearse, and perform a significant musical variety show for public performance with participants 55 years old and older.

Women's Studies (WSTS)

Change: advisory

effective Spring 2023

10 Changing Roles of Women, 3 units, 3 lecture hours

Advisory: None.

Change: description, advisory

effective Spring 2023

24 La Chicana and Latina, 3 units, 3 lecture hours, (Formerly Cultural Studies 24), (See also Chicano-Latino Studies 24)

Advisory: None.

This course offers an interdisciplinary analysis of Chicana and Mexican American women in contemporary society. Special emphasis is placed on the role and impact of family, church, education, economics, and politics. An exploration of gender, sexuality, racialization, and intersectionality will occur, as well as a critical review of how struggle, resistance, racial and social justice, solidarity, and liberation emerge in Chicana experiences. (A, CSU, UC)

Change: description, advisory

effective Spring 2023

41 African-American Women's Studies, 3 units, 3 lecture hours, (See also African-American Studies 41)

Advisory: None.

This course analyzes the social, political, and cultural history of African American women in US society from an interdisciplinary perspective through lectures, discussions, films and other collaborative activities. This course will analyze the complex ways that ethnicity, class and gender have shaped African American women's lives and the strategies they have used to empower themselves and their communities within and in comparison to structures of white supremacy and patriarchy and the intersections of socialization, familial relationships, history, art, language, politics, laws, economics, health, psychology, domestic violence, rape, sexuality, and gender. (A, CSU, UC)

Change: title, description, advisory

effective Spring 2023

47 Introduction to LGBTQ+ Studies, 3 units, 3 lecture hours

Advisory: None.

The interdisciplinary field of LGBTQ+ Studies through the disciplines of history, literature, law, science, political science, media, psychology, and education. Issues to be covered will include but not be limited to identity development and coming out, cultural ideology, sub-cultures, activism, marriage, parenting, and community. Theoretical perspectives concerning the historical development of sexual identity and the marginalization of sexual minority communities within social institutions in contemporary U.S. society and around the world will be explored. The intersectionality of class, race, and gender is an integral component of the course. (A, CSU-GE, UC, I)