

Fresno City College
2023-2024
Catalog Addendum
April 2024

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ACADEMIC REGULATIONS

Changes to Pages 23-44

Credit for Prior Learning Assessment Methods

Qualified discipline faculty shall determine the CPL assessment that is appropriate for the student based on their experiences, and credit will be determined by qualified faculty who conduct the CPL assessment.

Examination: Credit by examination is a process whereby discipline faculty administer a locally-developed exam to determine whether a student can demonstrate sufficient mastery of the learning outcomes of that course. The college may charge a fee per unit.

Assessment: This type of assessment can include a student developing a portfolio or completing a skills demonstration that is evaluated by faculty. This can also include faculty evaluating a Joint Services Transcript, or developing a “cross-walk” in which they assess the competencies a student achieved in a prior learning experience and determine whether they match the student learning outcomes of a designated course. College faculty can consult credit recommendations made by the American Council on Education (ACE) in assessing prior learning experiences. Once a faculty member has assessed a standard/common training, the credit recommendation can be made available for other faculty to consider for other students with identical credentials to prevent duplication of assessment and encourage consistency in credit for identical experiences. Students cannot be charged a fee for these types of assessments (this includes standardized tests, such as Advanced Placement (AP), International Baccalaureate (IB), CLEP, Defense Language Proficiency Test, and others).

Credit may be awarded for prior experience or prior learning only for individually identified courses with subject matter similar to that of the individual's prior learning, and only for a course listed in the catalog of the community college. Colleges shall consider the credit recommendations of the American Council on Education pursuant to Education Code section 66025.71.

Upon a student's demonstration of sufficient mastery through an examination or assessment, an award of credit should be made, if possible, to California Intersegmental General Education Transfer Curriculum (IGETC), California State University General Education Breadth, and local community college general education requirements or requirements for a student's chosen program. Award of credit may be made to electives for students who do not require additional general education or program credits to meet their goals.

Advanced Placement Exams and Program Credit (AP)

AP Exam/ Subject Area	Minimum Score	FCC GE Area	FCC Course (units)	CSU GE Area (units)	CSU Total Semester Units	IGETC (GE Units/Total Semester Units
Spanish Language and Culture	3	C: Humanities (3)	SPAN 3 or SPAN 3NS (5)	C2 (3)	6	3B & 6 (3/5.3)
Spanish Literature and Culture	3	C: Humanities (3)	SPAN 4 or SPAN 4NS (5)	C2 (3)	6	3B & 6 (3/5.3)

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TRANSFER INFORMATION AND REQUIREMENTS

Changes to Pages 51-72

Course Identification Numbering Systems (C-ID)

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

Change: add

+ ARTS 270	Art 35, Color Theory	<i>effective Spring 2024</i>
+ CHEM 106B	Chemistry 6B, Environmental Chemistry with Lab	<i>effective Spring 2024</i>
# ENVS 100	Geology 12, Environmental Science	<i>effective Fall 2023</i>
+ GEOL 111	Geology 2, Historical Geology	<i>effective Spring 2024</i>

Fresno City College General Education for the Associate Degree

Change: add

+ BIOL 22	Area A: Natural Sciences	<i>effective Fall 2023</i>
DANCE 8A	Area E1: PE &/or Dance	<i>effective Spring 2024</i>
# HLTH 5	Area E2: Lifetime Skills	<i>effective Fall 2023</i>

Change: delete

DANCE 8	Area E1: PE &/or Dance	<i>effective Spring 2024</i>
DEVSER 50	Area E1: PE &/or Dance	<i>effective Spring 2024</i>
DEVSER 51	Area E1: PE &/or Dance	<i>effective Spring 2024</i>
DEVSER 52	Area E1: PE &/or Dance	<i>effective Spring 2024</i>
DEVSER 53	Area E1: PE &/or Dance	<i>effective Spring 2024</i>

California State University Transfer Course List (CSU)

Change: add

Chemistry 6B	<i>effective Spring 2024</i>
Dance 8A	<i>effective Spring 2024</i>

Change: delete

Dance 8	<i>effective Spring 2024</i>
Developmental Services 50	<i>effective Spring 2024</i>
Developmental Services 51	<i>effective Spring 2024</i>
Developmental Services 52	<i>effective Spring 2024</i>
Developmental Services 53	<i>effective Spring 2024</i>
Medical Assisting 1	<i>effective Spring 2024</i>

University of California Transfer Course List (UC)

Change: add

Accounting 51	<i>effective Fall 2023</i>
American Sign Language 18	<i>effective Fall 2023</i>
Art 35	<i>effective Fall 2023</i>
Astronomy 15	<i>effective Fall 2023</i>
Business Administration 25	<i>effective Fall 2023</i>
Business Administration 28	<i>effective Fall 2023</i>
Biology 15	<i>effective Fall 2023</i>
Biology 16	<i>effective Fall 2023</i>
Child Development 1	<i>effective Fall 2023</i>
Child Development 42	<i>effective Fall 2023</i>
Criminology 18	<i>effective Fall 2023</i>
Dance 8A	<i>effective Spring 2024</i>
Dance 29	<i>effective Fall 2023</i>
Dance 41	<i>effective Fall 2023</i>
Dance 42	<i>effective Fall 2023</i>
Film 7	<i>effective Fall 2023</i>
Food and Nutrition 41	<i>effective Fall 2023</i>
Food and Nutrition 42	<i>effective Fall 2023</i>
Geography 6	<i>effective Fall 2023</i>

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History 26	<i>effective Fall 2023</i>
History 35	<i>effective Fall 2023</i>
Music 37	<i>effective Fall 2023</i>
Political Science 17	<i>effective Fall 2023</i>
Psychology 18	<i>effective Fall 2023</i>
Punjabi 1	<i>effective Fall 2023</i>

Change: delete

Dance 8	<i>effective Spring 2024</i>
Developmental Services 50	<i>effective Spring 2024</i>
Developmental Services 51	<i>effective Spring 2024</i>
Developmental Services 52	<i>effective Spring 2024</i>
Developmental Services 53	<i>effective Spring 2024</i>

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SPECIAL AREAS OF STUDY

Changes to Pages 98-104

Work Experience (Cooperative) Education

Qualifications

The student's supervisor must be located in the Fresno City College service area and be easily accessible to the instructor. During each semester enrolled in cooperative work experience, the student must attend the coordinating class for one hour per week.

In addition to the above requirements, students enrolling in occupational/vocational work experience courses must be employed in occupations which provide experience directly related to their occupational major. (Title 5, Division 6, Section 55250 of California Administrative Code.)

ASSOCIATE DEGREE AND CERTIFICATE PROGRAMS

Changes to Pages 138-340

ADMINISTRATION OF JUSTICE

REQUALIFICATION – BASIC COURSE – MAJOR #8925

revised program, Spring 2024

Designed for eligible students under California Commission on Peace Officer Standards and Training (POST) PAM Regulation 1008(b) or Procedure D-11-6(d), needing to complete the POST Requalification Course necessary to maintain their Basic POST Certificate.

Certificate

Student Learning Outcomes:

1. Satisfies all the POST required retraining to become a sworn peace officer in the State of California.
2. Qualified to enter a California Peace Officer's Field Training Program.

Required Course

		Units
AJ 219	Requalification – Basic Course.....	7
		Total 7

AMERICAN SIGN LANGUAGE

AMERICAN SIGN LANGUAGE – FORMERLY AMERICAN SIGN LANGUAGE STUDIES – MAJOR #5506

revised program, Spring 2024

This degree is designed to prepare students for transfer as a junior to a baccalaureate degree program in American Sign Language (ASL), Deaf Studies or Interpreting.

Associate of Arts

Student Learning Outcomes:

1. Utilize ASL consistent with the ability of a 4th semester second language learner with a Deaf individual or groups of Deaf people.
2. Categorize and describe characteristics that impact a Deaf person's life in the following areas: the world of work, education, family, language and social development.
3. Identify and compare beliefs, values, norms, traditions and attitudes reflected in Deaf culture, their subgroups and other cultures.

Required Core Courses

		Units
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 6	Linguistics of American Sign Language.....	4
ASL 7	Deaf History	3
ASL 8	American Sign Language Literature/Folklore	3

Elective Courses (3 units)

		Units
ASL 20	Introduction to American Sign Language/English Interpreting .	3
CHDEV 30	Child and Family in a Diverse Community.....	3
LING 10	Introduction to Language	3
		Total 32

APPLIED TECHNOLOGY

+ EMPLOYMENT ESSENTIALS – MAJOR #8101

revised program, Summer 2024

A step incentive certificate signifying proficiency in basic employment skills (includes soft skills, written and oral communication, and problem solving skills). May be awarded after successful completion of 9 units chosen from the list.

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Certificate of Achievement

Student Learning Outcomes:

1. Demonstrate an understanding and application of professional workplace behaviors.
2. Assess problems and determine a well thought out solution.
3. Identify and construct appropriate workplace oral and written communication.

Choose a minimum of 9 units from the following courses:		Units
AT 10	Technical Computer Applications	3
AT 19	Work Experience Education	1-8
AT 21	Occupational Safety and Health	2
AT 40	Preparing for Employment Opportunities.....	3
AT 130	Precision Measurements	3
AT 131	Technical Report Writing	3
		Total 9

ASIAN AMERICAN STUDIES

ASIAN AMERICAN STUDIES – MAJOR #7695

corrected program, Fall 2023

From an historical perspective, Asians have played major roles in Fresno from the early Chinese settlers who built a Chinatown to the Japanese Americans who were confined to an assembly center at the Fresno Fairground to the Hmong refugees who fled from the aftermath of the Vietnam War to create the largest Hmong American community in the state of California. The structure and purpose of the Asian American Studies associate degree is twofold: one is to enhance the skills of students planning to transfer and complete a baccalaureate degree, two is to provide knowledge and understanding of the Asian American as an individual and as a member of the Asian American community.

Associate of Arts

Student Learning Outcomes:

1. Identify and describe major historical experiences of Asians and Asian Americans.
2. Examine the cultural practices and evaluate how culture has evolved for the Asian American community.
3. Explore the identity dilemma for Asian Americans of the various generations from recent immigrants to the assimilated and acculturated Asian American family.
4. Evaluate the issues that have confronted Asians in the past as well as those relevant in a contemporary setting.

Required Core Courses		Units
ASAMER 1	Southeast Asian Americans (Peoples of Cambodia, Laos, Vietnam).....	3
ASAMER 8	Chinese Culture	3
ASAMER 15	Introduction to Asian American Studies.....	3
ASAMER 25	Asian American Social Issues	3
ASAMER 55	Introduction to Asian Art	3

Course Options (6 units)		Units
ASAMER 10	Hmong Culture.....	3
CHIN 1	Beginning Chinese.....	5
CHIN 2	High-Beginning Chinese	5
ETHNST 10	Introduction to Ethnic Studies	3
HMONG 1	Beginning Hmong	5
HMONG 2	High-Beginning Hmong.....	5
JAPAN 1	Beginning Japanese	5
JAPAN 2	High-Beginning Japanese.....	5
		Total 21

AUTOMOTIVE COLLISION REPAIR TECHNOLOGY

AUTOMOTIVE COLLISION REPAIR TECHNOLOGY – FORMERLY BODY AND FENDER MECHANIC – MAJOR #8071

revised program, Summer 2024

Training in this field is designed to prepare the student for employment as an advanced apprentice trainee in body repairing, reconstruction finishing.

Associate of Science

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

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Student Learning Outcomes:

1. Straighten and fill damaged sheet metal.
2. Mix and apply body fillers, putty's and plastic repair systems.
3. Remove and reattach body panels and align.

Required Core Courses		Units
ACRT 151	Basic ACR, <i>or</i>	
ACRT 151A	Basic ACR, <i>and</i>	
ACRT 151B	Basic ACR	9
ACRT 153	Advanced ACR, <i>or</i>	
ACRT 153A	Advanced ACR, <i>and</i>	
ACRT 153B	Advanced ACR	9
AT 10	Technical Computer Applications	3
AT 21	Occupational Safety and Health	2
AT 40	Preparing for Employment Opportunities.....	3
WELD 2A	Introduction to Welding Technology	6

Recommended Electives:		Units
ACRT 155	Spray Refinishing.....	2
AT 19	Work Experience Education	1
AUTOT 54	Suspension, Steering, and Wheel Alignment	4
		Total 32

AUTOMOTIVE COLLISION REPAIR TECHNOLOGY – FORMERLY BODY AND FENDER MECHANIC – MAJOR #8071
revised program, Summer 2024

Training in this field is designed to prepare the student for employment in auto body repairing, reconstruction, and finishing.

Certificate of Achievement

Student Learning Outcomes:

1. Straighten and fill damaged sheet metal.
2. Mix and apply body fillers, putty's and plastic repair systems.
3. Remove and reattach body panels and align.

Required Core Courses		Units
ACRT 151	Basic ACR, <i>or</i>	
ACRT 151A	Basic ACR, <i>and</i>	
ACRT 151B	Basic ACR	9
ACRT 153	Advanced ACR, <i>or</i>	
ACRT 153A	Advanced ACR, <i>and</i>	
ACRT 153B	Advanced ACR	9
AT 10	Technical Computer Applications	3
AT 21	Occupational Safety and Health	2
AT 40	Preparing for Employment Opportunities.....	3
WELD 2A	Introduction to Welding Technology	6

Recommended Electives:		Units
ACRT 155	Spray Refinishing.....	2
AT 19	Work Experience Education	1-14
AUTOT 54	Suspension, Steering, and Wheel Alignment	4
		Total 32

AUTOMOTIVE TECHNOLOGY

ALTERNATIVE FUELED VEHICLE (AFV) – MAJOR #8078
revised program, Summer 2024

Satisfactory completion of this curriculum prepares the student for employment as a Alternative Fueled Vehicle (AFV) service technician.

Certificate of Achievement

Student Learning Outcomes:

1. Create a diagnostic path for the Alternative Fueled Vehicle powertrain system to industry standards.
2. Recommend an appropriate repair procedure for a given vehicle Alternative Fueled Vehicle (AFV) powertrain system to industry standards.

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Required Courses	Units
AUTOT 9 Automotive Essentials	3
AUTOT 19 Work Experience Education	2
AUTOT 52 Automotive Electrical Systems, <i>or</i>	
ATGM 52 Automotive Electrical Systems	4
AUTOT 53 Engine Performance, <i>or</i>	
ATGM 53 Engine Performance	4
AUTOT 57 Automotive Heating, Ventilation, Air Conditioning, and Advanced Electronics, <i>or</i>	
ATGM 57 Automotive Heating, Ventilation, Air Conditioning, and Advanced Electronics	4
AUTOT 171A Introduction to Alternative Fueled Vehicles (AFVs)	2
AUTOT 171B Service and Maintenance to Alternative Fueled Vehicles (AFVs)	2
AUTOT 171C Diagnosis and Repair to Alternative Fueled Vehicles (AFVs)...	2
	Total 23

AUTOMOTIVE-DIESEL FIXED OPERATIONS ADMINISTRATOR – MAJOR #8057

revised program, Summer 2024

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 Education	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: 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, <i>or</i>	
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

revised program, Summer 2024

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 Education	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: 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	

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AUTOT 58C	Systems Laboratory, <i>and</i> Individualized Skills Training (IST) Power Train Systems Laboratory, <i>or</i>	
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

AUTOMOTIVE TECHNOLOGY – MAJOR #8051

revised program, Summer 2024

Satisfactory completion of this curriculum prepares the student for entry-level employment as a skilled technician in the automotive service and repair industry. Students will perform actual service and repair procedures in the automotive laboratory. This curriculum has been certified by the National Institute for Automotive Service Excellence (ASE) Education Foundation.

Associate of Science

Student Learning Outcomes:

1. Create a diagnostic path appropriate for a given system to industry standards.
2. Demonstrate the appropriate repair procedure for a given system to industry standards.

Required Courses

		Units
AT 10	Technical Computer Applications	3
AUTOT 9	Automotive Essentials	3
AUTOT 19	Work Experience Education	10
AUTOT 51	Principles of Engine Theory and Service	4
AUTOT 52	Automotive Electrical Systems	4
AUTOT 53	Engine Performance	4
AUTOT 54	Suspension, Steering, and Wheel Alignment	4
AUTOT 55	Power Trains: Transmissions/Transaxles, Differentials, and Driveaxles	6
AUTOT 56	Automotive Braking Systems.....	4
AUTOT 57	Automotive Heating, Ventilation, Air Conditioning, and Advanced Electronics	4
AUTOT 161A	Level 1 - Engine and Emission Control Fundamentals.....	3
AUTOT 161B	Level 2 - Smog Check Procedures Training	1.5
WELD 1	Exploring Welding/Metals	3

Electives (4 units)

		Units
AUTOT 58	Individualized Skills Training (IST) Chassis System I Laboratory.....	1
AUTOT 58A	Individualized Skills Training (IST) Chassis System II Laboratory.....	1
AUTOT 58B	Individualized Skills Training (IST) Engine/Propulsion Systems Laboratory.....	1
AUTOT 58C	Individualized Skills Training (IST) Power Train Systems Laboratory.....	1
		Total 57.5

AUTOMOTIVE TECHNOLOGY – MAJOR #8051

revised program, Summer 2024

Satisfactory completion of this curriculum prepares the student for entry-level employment as a skilled technician in the automotive service and repair industry. Students will perform actual service and repair procedures in the automotive laboratory. This curriculum has been certified by the National Institute of Automotive Service Excellence (ASE) Education Foundation.

Certificate of Achievement

Student Learning Outcomes:

1. Create a diagnostic path appropriate for a given system to industry standards.
2. Recommend an appropriate repair procedure for a given system to industry standards.

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Required Courses		Units
AT 10	Technical Computer Applications	3
AUTOT 9	Automotive Essentials	3
AUTOT 19	Work Experience Education	10
AUTOT 51	Principles of Engine Theory and Service	4
AUTOT 52	Automotive Electrical Systems	4
AUTOT 53	Engine Performance	4
AUTOT 54	Suspension, Steering, and Wheel Alignment	4
AUTOT 55	Power Trains: Transmissions/Transaxles, Differentials, and Driveaxles	6
AUTOT 56	Automotive Braking Systems	4
AUTOT 57	Automotive Heating, Ventilation, Air Conditioning, and Advanced Electronics	4
AUTOT 161A	Level 1 - Engine and Emission Control Fundamentals	3
AUTOT 161B	Level 2 - Smog Check Procedures Training	1.5
WELD 1	Exploring Welding/Metals	3
Electives (4 units)		Units
AUTOT 58	Individualized Skills Training (IST) Chassis System I Laboratory	1
AUTOT 58A	Individualized Skills Training (IST) Chassis System II Laboratory	1
AUTOT 58B	Individualized Skills Training (IST) Engine/Propulsion Systems Laboratory	1
AUTOT 58C	Individualized Skills Training (IST) Power Train Systems Laboratory	1
		Total 57.5

CHASSIS TECHNICIAN – MAJOR #8053

revised program, Summer 2024

Satisfactory completion of this curriculum prepares the student for employment as an automotive chassis service technician.

Certificate of Achievement

Student Learning Outcomes:

1. Create a diagnostic path appropriate for a given system.
2. Recommend an appropriate repair strategy for a given system to industry standard.

Required Courses		Units
AUTOT 9	Automotive Essentials	3
AUTOT 19	Work Experience Education	8
AUTOT 282A	Suspension and Wheel Alignment	3
AUTOT 282B	Automotive Braking Systems	3
AUTOT 283B	Electrical Systems	3
AUTOT 284	Automotive Air Conditioning	3
		Total 23

CHASSIS TECHNICIAN I – MAJOR #8056A

revised program, Summer 2024

Satisfactory completion of this curriculum prepares the student for employment as an automotive chassis service technician level I.

Certificate

Student Learning Outcomes:

1. Create a diagnostic path appropriate for a given system to industry standards.
2. Recommend an appropriate repair strategy for a given system to industry standards.

Required Courses		Units
AUTOT 19	Work Experience Education	2
AUTOT 54	Suspension, Steering, and Wheel Alignment, <i>or</i> ATGM 54 Suspension, Steering, and Wheel Alignment	4
AUTOT 56	Automotive Braking Systems, <i>or</i> ATGM 56 Automotive Braking Systems	4
		Total 10

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CHASSIS TECHNICIAN II – MAJOR #8056B

revised program, Summer 2024

Satisfactory completion of this curriculum prepares the student for employment as an automotive chassis service technician level II.

Certificate

Student Learning Outcomes:

1. Create a diagnostic path appropriate for a given system to industry standards.
2. Recommend an appropriate repair strategy for a given system to industry standards.

Required Courses	Units
AUTOT 19 Work Experience Education	2
AUTOT 52 Automotive Electrical Systems, <i>or</i>	
ATGM 52 Automotive Electrical Systems	4
AUTOT 57 Automotive Heating, Ventilation, Air Conditioning, and Advanced Electronics, <i>or</i>	
ATGM 57 Automotive Heating, Ventilation, Air Conditioning, and Advanced Electronics	4
	Total 10

DIESEL TECHNOLOGY – MAJOR #8059

revised program, Summer 2024

Satisfactory completion of this curriculum prepares the student for entry-level employment as a skilled technician in the diesel technology service and repair industry. Students will perform actual service and repair procedures in the diesel technology laboratory. This curriculum has been certified by the National Institute of Automotive Service Excellence (ASE) Education Foundation.

**Associate of Science and
Certificate of Achievement**

Student Learning Outcomes:

1. Create a diagnostic path appropriate for a given system to industry standards.
2. Demonstrate the appropriate repair procedure for a given system to industry standards.

Required Courses	Units
AT 10 Technical Computer Applications	3
AUTOT 10 Introduction to Diesel Technology	3
AUTOT 19 Work Experience Education	12
AUTOT 61 Diesel Engines.....	4
AUTOT 62 Electrical/Electronics for Diesel Technology.....	4
AUTOT 63 Diesel Fuel and Emission Systems	4
AUTOT 64 MD/HD Suspension, Steering, and Alignment.....	4
AUTOT 65 MD/HD Powertrain Systems	6
AUTOT 66 MD/HD Brakes and Preventative Maintenance Inspection (PMI).....	4
AUTOT 67 MD/HD Heating, Ventilation, Air Conditioning and Advanced Electronics	4
WELD 1 Exploring Welding/Metals	3
Electives (4 units)	Units
AUTOT 68 Individualized Skills Training (IST) Truck & Bus Chassis System I Laboratory.....	1
AUTOT 68A Individualized Skills Training (IST) Truck & Bus Chassis System II Laboratory.....	1
AUTOT 68B Individualized Skills Training (IST) Truck & Bus Engine/ Propulsion Systems	1
AUTOT 68C Individualized Skills Training (IST) Truck & Bus Power Train Systems Laboratory.....	1
	Total 55

EMISSION TECHNICIAN II – MAJOR #8057B

revised program, Summer 2024

Satisfactory completion of this curriculum prepares the student for employment as an emission service technician level II.

Certificate

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Student Learning Outcomes:

1. Create a diagnostic path appropriate for a given system to industry standards.
2. Recommend an appropriate repair strategy for a given system to industry standards.

Required Courses

	Units
AUTOT 19 Work Experience Education	2
AUTOT 161A Level 1 - Engine and Emission Control Fundamentals.....	3
AUTOT 161B Level 2 - Smog Check Procedures Training	1.5
	Total 6.5

GENERAL MOTORS ASEP PROGRAM – MAJOR #805G

revised program, Summer 2024

The General Motors Automotive Service Educational Program (GM ASEP) is a two-year associate degree program. GM ASEP incorporates the most advanced automotive technical training with a strong academic foundation in math, English, electronics, analytical and technical skills. The student earns a solid education combined with invaluable work experience for hands-on learning. The National Institute of Automotive Service Excellent (ASE) Education Foundation and General Motors Corporation certify this curriculum.

Associate of Science

Student Learning Outcomes:

1. Create a diagnostic path appropriate for a given system to industry standards.
2. Demonstrate the appropriate repair procedure for a given system to industry standards.

Required Courses

	Units
AT 10 Technical Computer Applications	3
ATGM 51 Principles of Engine Theory and Service.....	4
ATGM 52 Automotive Electrical Systems	4
ATGM 53 Engine Performance	4
ATGM 54 Suspension, Steering, and Wheel Alignment	4
ATGM 55 Power Trains: Transmissions/Transaxles, Differentials, and Driveaxles.....	6
ATGM 56 Automotive Braking Systems.....	4
ATGM 57 Automotive Heating, Ventilation, Air Conditioning, and Advanced Electronics	4
AUTOT 9 Automotive Essentials	3
AUTOT 19 Work Experience Education	12
AUTOT 161A Level 1 - Engine and Emission Control Fundamentals.....	3
AUTOT 161B Level 2 - Smog Check Procedures Training	1.5

Electives (4 units)

	Units
AUTOT 58 Individualized Skills Training (IST) Chassis System I Laboratory.....	1
AUTOT 58A Individualized Skills Training (IST) Chassis System II Laboratory.....	1
AUTOT 58B Individualized Skills Training (IST) Engine/Propulsion Systems Laboratory.....	1
AUTOT 58C Individualized Skills Training (IST) Power Train Systems Laboratory.....	1
	Total 56.5

POWERTRAIN TECHNICIAN I – MAJOR #8058A

revised program, Summer 2024

Satisfactory completion of this curriculum prepares the student for employment as an automotive powertrain service technician level I.

Certificate

Student Learning Outcomes:

1. Create a diagnostic path for a given system to industry standards.
2. Recommend an appropriate repair strategy for a given system to industry standards.

Required Courses

	Units
AUTOT 19 Work Experience Education	2
AUTOT 51 Principles of Engine Theory and Service, or	

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ATGM 51	Principles of Engine Theory and Service.....	4
AUTOT 53	Engine Performance, <i>or</i>	
ATGM 53	Engine Performance.....	4
	Total	10

POWERTRAIN TECHNICIAN II – MAJOR #8058B

revised program, Summer 2024

Satisfactory completion of this curriculum prepares the student for employment as an automotive powertrain service technician level II.

Certificate

Student Learning Outcomes:

1. Create a diagnostic path for a given system to industry standards.
2. Recommend an appropriate repair strategy for a given system to industry standards.

Required Courses		Units
AUTOT 19	Work Experience Education	2
AUTOT 52	Automotive Electrical Systems, <i>or</i>	
ATGM 52	Automotive Electrical Systems	4
AUTOT 55	Power Trains: Transmissions/Transaxles, Differentials, and Driveaxles, <i>or</i>	
ATGM 55	Power Trains: Transmissions/Transaxles, Differentials, and Driveaxles.....	6
	Total	12

ZERO EMISSION VEHICLE (ZEV) – FORMERLY HYBRID ELECTRIC VEHICLE (HEV) – MAJOR #8081

revised program, Summer 2024

Satisfactory completion of this curriculum prepares the student for employment as a hybrid service technician.

Certificate of Achievement

Student Learning Outcomes:

1. Create a diagnostic path for the zero electric vehicle (ZEV) to industry standards.
2. Recommend an appropriate repair procedure for a given vehicle's hybrid electric vehicle system to industry standards.

Required Courses		Units
AUTOT 9	Automotive Essentials	3
AUTOT 19	Work Experience Education	2
AUTOT 52	Automotive Electrical Systems, <i>or</i>	
ATGM 52	Automotive Electrical Systems	4
AUTOT 53	Engine Performance, <i>or</i>	
ATGM 53	Engine Performance	4
AUTOT 57	Automotive Heating, Ventilation, Air Conditioning, and Advanced Electronics, <i>or</i>	
ATGM 57	Automotive Heating, Ventilation, Air Conditioning, and Advanced Electronics	4
AUTOT 170A	Introduction to Zero Emission Vehicles (ZEV).....	2
AUTOT 170B	Service and Maintenance to Zero Emission Vehicles (ZEV) ...	2
AUTOT 170C	Diagnosis and Repair to Zero Emission Vehicles (ZEV)	2
	Total	23

BUSINESS & TECHNOLOGY

COMPUTER APPLICATIONS SOFTWARE – MAJOR #2202

revised program, Spring 2024

This certificate option prepares students for computer applications certification. Students are required to earn grades of "C" or better.

Certificate

Student Learning Outcomes:

1. Demonstrate proficiency in office applications software.

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Required Courses		Units
BT 9	Computer Applications I.....	4
BT 10	Computer Applications II.....	3
BT 33	Social Media and Emerging Technologies in the Workplace ...	3
BT 106	Computer Keyboarding.....	1.5
		Total 11.5

ESSENTIAL SKILLS FOR COLLEGE & CAREER SUCCESS – MAJOR #2473

new program, Fall 2023

This program provides students with personal and academic support during the transition to college and campus culture, placing an emphasis on basic technology literacy required for the workplace as well as for success in introductory technology courses.

Certificate of Completion

Student Learning Outcomes:

1. Launch a computer, navigate to productivity software, and begin working.
2. Identify and discuss issues related to life and academia.
3. Identify policies, programs, and procedures as they are described in the campus catalog.

Required Courses		Hours
BT 377	Getting Started with Computers and Workplace Technology	30.06
COUN 350	College Transition and Success	18
		Total 48.06

ESSENTIAL SKILLS FOR COLLEGE & CAREER SUCCESS (FOR ENGLISH LEARNERS) – MAJOR #2474

new program, Fall 2023

This program provides students with personal and academic support during the transition to college and campus culture, placing an emphasis on basic technology literacy required for the workplace as well as for success in introductory technology courses. Instruction is geared toward English learners.

Certificate of Completion

Student Learning Outcomes:

1. Launch a computer, navigate to productivity software, and begin working.
2. Demonstrate the ability to communicate effectively using appropriate workplace vocabulary.
3. Identify and discuss issues related to life and academia.
4. Identify policies, programs, and procedures as they are described in the campus catalog.

Required Courses		Hours
BT 377	Getting Started with Computers and Workplace Technology	30.06
COUN 350	College Transition and Success	18
VESL 320	Intermediate English for Vocational Purposes.....	36
		Total 84.06

INTRODUCTION TO DIGITAL LITERACY – MAJOR #2330

new program, Fall 2023

Training is designed to provide a digital literacy foundation for office occupations and college-level technology courses.

Certificate of Completion

Student Learning Outcomes:

1. Launch a computer, navigate to productivity software, and begin working.
2. Demonstrate the ability to communicate effectively using appropriate workplace vocabulary.
3. Identify and discuss issues related to life and academia.
4. Identify policies, programs, and procedures as they are described in the campus catalog.

Required Courses		Hours
BT 377	Getting Started with Computers and Workplace Technology	30.06
BT 379	Introduction to Microsoft Office Applications.....	45
		Total 75.06

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MEDICAL OFFICE ASSISTANT – FORMERLY MEDICAL BILLING ASSISTANT – MAJOR #2243

revised program, Spring 2024

This certificate option is designed to meet the training needs for qualified entry level employment in a medical office setting. Students are required to earn grades of “C” or better in all courses.

Certificate of Achievement

Student Learning Outcomes:

1. Perform basic administrative duties in a medical office using appropriate technology.
2. Support billing and collections by applying knowledge of coding procedures and insurance programs.
3. Communicate effectively and according to legal guidelines in a professional health care setting.

Required Courses		Units
BT 120	Resume/Interview	1
BT 143	Medical Office Vocabulary	1
BT 144	Medical Administrative Assistant	2.5
BT 147	Electronic Health Records	2
BT 148	Medical Insurance & Billing Concepts	2.5
		Total 9

MEDICAL OFFICE SPECIALIST – FORMERLY OFFICE PROFESSIONAL – MEDICAL OFFICE EMPHASIS AND MEDICAL OFFICE PROFESSIONAL AND MEDICAL ADMINISTRATIVE ASSISTANT EMPHASIS – MAJOR #2383

revised program, Spring 2024

Training is designed to prepare students for employment in a medical office environment. Additional general education units are required for AS degree. Students may earn more than one certificate in addition to the Associate in Science degree and are required to earn grades of "C" or better in the Office Professional I and emphasis courses.

Associate of Science

Student Learning Outcomes:

1. Use technology applications, office equipment, and software effectively in a professional setting.
2. Perform medical administrative duties including coding/billing, greeting patients, using medical terminology, understanding insurance plans, and implementing HIPAA regulations.
3. Achieve a satisfactory evaluation in a work experience setting.

Recommended First Semester Courses		Units
BT 1	Computer Document Processing I	3
BT 9	Computer Applications I	4
BT 143	Medical Office Vocabulary	1
BT 144	Medical Administrative Assistant	2.5
BT 148	Medical Insurance & Billing Concepts	2.5

Recommended Second Semester Courses		Units
BT 19	Work Experience (Cooperative), Occupational	1-8
BT 23	Job Search and Workplace Skills	3
BT 112	Business English	3
BT 147	Electronic Health Records	2
		Total 22-29

MEDICAL OFFICE SPECIALIST – FORMERLY OFFICE PROFESSIONAL – MEDICAL OFFICE EMPHASIS AND MEDICAL OFFICE PROFESSIONAL AND MEDICAL ADMINISTRATIVE ASSISTANT EMPHASIS – MAJOR #2383

revised program, Spring 2024

Training is designed to prepare students for employment in a medical office environment. Students may earn more than one certificate and are required to earn grades of "C" or better in all courses.

Certificate of Achievement

Student Learning Outcomes:

1. Use technology applications, office equipment, and software effectively in a professional setting.
2. Achieve a satisfactory evaluation in a work experience setting.
3. Perform medical administrative duties including coding/billing, greeting patients, using medical terminology, understanding insurance plans, and implementing HIPAA regulations.

Recommended First Semester Courses		Units
BT 1	Computer Document Processing I	3
BT 9	Computer Applications I	4

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BT 143	Medical Office Vocabulary	1
BT 144	Medical Administrative Assistant	2.5
BT 148	Medical Insurance & Billing Concepts	2.5

Recommended Second Semester Courses		Units
BT 19	Work Experience (Cooperative), Occupational.....	1-8
BT 23	Job Search and Workplace Skills	3
BT 112	Business English	3
BT 115	Refresher Math.....	3
BT 147	Electronic Health Records	2
		Total 25-32

OFFICE SPECIALIST – FORMERLY OFFICE PROFESSIONAL-EXECUTIVE ASSISTANT EMPHASIS, ADMINISTRATIVE ASSISTANT EMPHASIS AND OFFICE PROFESSIONAL II – MAJOR #2215

revised program, Spring 2024

Training is designed to provide advanced skills for employment in a variety of professional office environments. Additional general education units are required for the AS degree. Students may earn more than one certificate along with the Associate in Science degree and are required to earn grades of "C" or better in all courses.

Associate of Science

Student Learning Outcomes:

1. Achieve a satisfactory evaluation in a work experience setting.
2. Use technology applications, office equipment, and software effectively in a professional setting.
3. Proofread documents and correct errors in punctuation, grammar, capitalization, number expression, and spelling.

Recommended First Semester Courses (Required)		Units
BT 1	Computer Document Processing I.....	3
BT 6	Records Management	2
BT 9	Computer Applications I.....	4
BT 33	Social Media and Emerging Technologies in the Workplace ...	3
BT 112	Business English	3

Recommended Second Semester Courses (Required)		Units
BT 5	Workplace Communication.....	3
BT 10	Computer Applications II.....	3
BT 19	Work Experience (Cooperative), Occupational.....	2
BT 23	Job Search and Workplace Skills	3
BT 131	Applied Accounting.....	3.5
		Total 29.5

OFFICE SPECIALIST – FORMERLY OFFICE PROFESSIONAL-EXECUTIVE ASSISTANT EMPHASIS, ADMINISTRATIVE ASSISTANT EMPHASIS AND OFFICE PROFESSIONAL II – MAJOR #2215

revised program, Spring 2024

Training is designed to provide advanced skills for employment in a variety of professional office environments. Students may earn more than one certificate and are required to earn grades of "C" or better in all courses.

Certificate of Achievement

Student Learning Outcomes:

1. Achieve a satisfactory evaluation in a work experience setting.
2. Use technology applications, office equipment, and software effectively in a professional setting.
3. Proofread documents and correct errors in punctuation, grammar, capitalization, number expression, and spelling.

Recommended First Semester Courses (Required)		Units
BT 1	Computer Document Processing I.....	3
BT 6	Records Management	2
BT 9	Computer Applications I.....	4
BT 33	Social Media and Emerging Technologies in the Workplace ...	3
BT 112	Business English	3

Recommended Second Semester Courses (Required)		Units
BT 5	Workplace Communication.....	3
BT 10	Computer Applications II.....	3
BT 19	Work Experience (Cooperative), Occupational.....	2
BT 23	Job Search and Workplace Skills	3
BT 131	Applied Accounting.....	3.5

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Total 29.5

COMMUNICATION

COMMUNICATION STUDIES 2.0 FOR TRANSFER – MAJOR #5433

new program, Fall 2023

The Associate in Arts in Communication Studies 2.0 for Transfer degree program is designed to prepare students for further study or employment in fields requiring effective and ethical human communication. Communication courses focus on how people use messages to generate meanings within and across various contexts, cultures, channels and media. The Associate in Arts in Communication Studies 2.0 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 Art in Communication Studies 2.0 degree, students must complete a minimum of 60 required semester units of CSU-transferable coursework, including (i) the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements, and (ii) the 18 semester units specified by the Communication Studies 2.0 degree. Students must maintain a minimum 2.0 GPA, including grades of C (or 'P') or higher in each course taken to fulfill the major. Local graduation requirements are not required for the transfer degree. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

Associate of Arts

Student Learning Outcomes:

1. Demonstrate understanding of core communication theories and principles.
2. Organize, develop, and deliver an effective presentation.
3. Critically evaluate various communication situations.

Required Courses

	Units
COMM 1 Introduction to Public Speaking	3
COMM 2 Interpersonal Communication	
COMM 8/8H Group Communication, <i>or</i>	
Honors Group Communication	3
COMM 10 Intercultural Communication	3
COMM 25 Argumentation	3

Choose 3 units from the following:

	Units
COMM 4 Persuasion	3
COMM 26 Intercollegiate Forensics Laboratory	1-3
	Total 18

DANCE

DANCE – MAJOR #5390

revised program, Spring 2024

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

Associate in Arts

Student Learning Outcomes:

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

Required Core Courses

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

Select two of the following courses

	Units
DANCE 21 Fall Dance Concert 1	2-4
DANCE 22 Spring Dance Concert 1	2-4
DANCE 31 Fall Dance Concert 2	2-4
DANCE 32 Spring Dance Concert 2	2-4

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DANCE 41	Fall Dance Concert 3	2-4
DANCE 42	Spring Dance Concert 3	2-4

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

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

DEVELOPMENTAL SERVICES

CAREER READINESS – MAJOR #7010

revised program, Spring 2024

The Career Readiness Certificate Program is designed to provide students with the opportunity to enhance their education while focusing on an environment which will encourage job awareness. This certificate will prepare students to enter the workforce through career exploration and planning, interview preparation, and communication and workplace skills development. This certificate will enhance employment awareness of each student.

Certificate

Student Learning Outcomes:

1. Describe potential employment opportunities based on their educational and vocational experiences.
2. Demonstrate basic skills and strategies needed to plan for a potential career, develop job search skills.
3. Demonstrate time management and organizational skills.

Required Courses

	Units	
DEVSER 250	Career Awareness	4
DEVSER 252B	Communication Skills and Strategies 2	4
DEVSER 260	Job Search, Employment Portfolio, and Interview Development	3

Electives – Select 1 Course

	Units	
DEVSER 252A	Communication Skills and Strategies 1	4
DEVSER 262	Group Interaction	3
DEVSER 277	Beginning Computer Applications.....	4
DEVSER 278	Intermediate Computer Applications.....	3
DEVSER 285	Paragraphs to Essays.....	2.5
DEVSER 286	Essay Development and College Writing	2.5
	Total 13.5-15	

EFFECTIVE COMMUNICATIONS – MAJOR #5434

revised program, Spring 2024

The Communication Skills Certificate Program offers an overview of the methods of communicating. It also trains students to use their communication skills effectively in various situations. This program is designed to enable students to achieve recognition of development in such areas as presentational speaking, problem solving and decision-making, and interpersonal communication. Students will have the knowledge and key skills to communicate effectively using simple, concise and direct language in order to achieve results in their communications with others. This certificate program allows individuals to develop the confidence and clarity in communication to support their career and educational growth.

Certificate

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Student Learning Outcomes:

1. Demonstrate the ability to handle difficult situations with a flexible, genuine and self-confident approach.
2. Demonstrate key skills to communicate effectively using simple, concise, and direct language.
3. Demonstrate increased proficiency with the basics of appropriate communication skills.
4. Identify appropriate conflict-resolution skills.

Required Courses	Units
DEVSER 252A Communication Skills and Strategies 1	4
DEVSER 252B Communication Skills and Strategies 2	4
DEVSER 262 Group Interaction	3

Electives – Select 1 Course	Units
DEVSER 278 Intermediate Computer Applications.....	3
DEVSER 284 Reading Comprehension 2.....	4
DEVSER 286 Essay Development and College Writing	2.5
Total 13.5-15	

HIGH TECH ADAPTIVE PROGRAM – MAJOR #7006

revised program, Spring 2024

High Tech Computer Certificate Program is designed to provide students with the educational and vocational opportunities and will also enhance prospects for gainful employment by developing computer skills using Adaptive Technology.

Certificate

Student Learning Outcomes:

1. Describe potential employment opportunities based on their educational and vocational experiences.
2. Demonstrate basic Adaptive Computer Concepts.

Required Courses	Units
DEVSER 262 Group Interaction	3
DEVSER 277 Beginning Computer Applications.....	4
DEVSER 278 Intermediate Computer Applications.....	3
Total 10	

LIFE SKILLS – MAJOR #7011

revised program, Spring 2024

The Life Skills Certificate is intended for students with intellectual disabilities. The goal for this program is intended to increase the independence, self-determination, and quality of life for students with intellectual disabilities. The Life Skills Certificate offers general background in transition to college, life skills and personal growth, basic computer skills, study skills, financial literacy, time management skills, etc.

Certificate

Student Learning Outcomes:

1. Demonstrate the ability to handle difficult situations with a flexible, genuine and self-confident approach.
2. Increased opportunity for social, cultural, and community participation.
3. Provide learning activities that will transfer to life-long independent living skills.

Required Courses	Units
DEVSER 262 Group Interaction	3
DEVSER 264 Transition to College for Students with Disabilities.....	1
DEVSER 272 Consumer and Life Skills	2
DEVSER 273 Independent Living Skills	2
DEVSER 278 Intermediate Computer Applications.....	3
DEVSER 291 Strategies for Academic Success.....	2
Total 13	

SCHOOL TO WORK, CLERICAL – MAJOR #7004

revised program, Spring 2024

The School to Work Clerical Certificate Program is designed to provide students with the opportunity to enhance their education while focusing on an environment which will encourage awareness in the clerical workforce as well as prepare students for mainstream computer classes. This certificate will validate the students' participation in the School to Work objectives of Fresno City College and enhances computer/clerical awareness of each student.

Certificate

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Student Learning Outcomes:

1. Describe potential employment opportunities based on their educational and vocational experiences.
2. Demonstrate basic computer literacy skills.

Select 4 Courses

	Units
DEVSER 262 Group Interaction	3
DEVSER 277 Beginning Computer Applications.....	4
DEVSER 278 Intermediate Computer Applications.....	3
DEVSER 283 Reading Comprehension 1	4
DEVSER 284 Reading Comprehension 2	4
DEVSER 285 Paragraphs to Essays.....	2.5
DEVSER 286 Essay Development and College Writing	2.5
DEVSER 291 Strategies for Academic Success	2
	Total 10-15

ELECTRICAL SYSTEMS TECHNOLOGY

INDUSTRIAL MAINTENANCE TECHNICIAN – MAJOR #8190

revised program, Summer 2024

An industrial maintenance technician performs installation, repair and maintenance of commercial or industrial machinery in buildings, plants or factory setting, to ensure the machines' proper functionality.

Certificate of Achievement

Student Learning Outcomes:

1. Perform basic setups on the drill press, milling machines or engine lathes in a safe manner and to industry practices.
2. Demonstrate the ability to inspect fluid and pneumatic system components for proper operation and identify problems and the means to correct.
3. Given a SMAW and GMAW power source, students will be able to properly set up and adjust the machine to make a successful weld.

Required Courses

	Units
AT 19 Work Experience Education	3
AT 140 Introduction to Machine Shop	3
AT 150 Pneumatic & Hydraulic Systems.....	3
AT 160 Mechanical Power Drive Systems	3
EST 51 Direct Current Fundamentals of Electronics	3
EST 53 Lab Safety Practices.....	2
EST 56B Motor Controls	3
EST 58 Programmable Logic Controllers	3
WELD 2A Introduction to Welding Technology	6
	Total 29

FOOD SERVICE MANAGEMENT

CERTIFIED DIETARY MANAGER – MAJOR #5683

updated program, Fall 2023

GENERAL EDUCATION

CSU-GE BREADTH – MAJOR #5010

revised program, Spring 2024

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

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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
ASTRO 15	The Solar System	4
ASTRO 20	Stars, Galaxies, and Cosmology	4
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
PHYSC 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

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BIOL 14	Conservation Biology.....	3
BIOL 15	Animal Biology.....	4
BIOL 16	Plant Biology.....	4
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
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 50	Arts of Africa, Oceania and Indigenous North America.....	3
ART/ASAMER 55	Introduction to Asian Art.....	3
ART 60/CLS 22	Art of the Ancient Americas.....	3

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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	Global Music Appreciation.....	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 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

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HUMAN 11	Modern Humanities.....	3
JAPAN 1	Beginning Japanese	5
JAPAN 2	High-Beginning Japanese.....	5
LING 10	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
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	Southeast Asian Americans (Peoples of Cambodia, Laos, Vietnam).....	3
ASAMER 10	Hmong Culture.....	3
ASAMER 15	Introduction to Asian Americans Studies	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
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 6	World Regional Geography	3

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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 26	History of American Business, Labor, and Technology.....	3
HIST 30	California History.....	3
HIST 35	History of East Asia.....	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 14B	Intermediate Volleyball.....	1
PE 15A	Beginner Weight Training.....	1
PE 15B	Intermediate Weight Training.....	1
PE 15C	Advanced Weight Training.....	1
PE 17	Yoga.....	1
PE 17B	Intermediate Yoga.....	1
PE 27	High Intensity Interval Training.....	1
PE 29B	Intercollegiate Badminton.....	3

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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 47B	Intercollegiate Electronic Sports.....	3
PE 47C	Off-Season Intercollegiate Electronic Sports.....	1
PE 71	Soccer.....	1
PE 72	Spinning for Fitness.....	1
PSY 2/2H	General Psychology, or 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

AFRAM 1	Introduction to African American Studies.....	3
AMIND 31	American Indian Culture.....	3
ASAMER 15	Introduction to Asian American Studies.....	3
ASAMER 25	Asian American Social Issues.....	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/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

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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, *or*
 Honors Reading and Composition..... 4

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

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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	Introduction to the Visual Arts.....	3
ART 5/5H	History of Western Art - Prehistoric to Medieval, <i>or</i> Honors History of Western Art - Prehistoric to Medieval.....	3
ART 6/6H	History of Western Art - Renaissance to Modern, <i>or</i> Honors History of Western Art - Renaissance to Modern.....	3
ART 50	Arts of Africa, Oceania and Indigenous North America.....	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	Global Music Appreciation.....	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

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HUMAN 11	Modern Humanities.....	3
JAPAN 2	High-Beginning Japanese.....	5
LING 10	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

AREA 4: SOCIAL AND BEHAVIORAL SCIENCES – Two courses from at least two different disciplines (six semester units minimum)

Group 4 – Social Sciences Units

AFRAM 1	Introduction to African American Studies.....	3
AMIND 31	American Indian Culture	3
ANTHRO 12	Visual Anthropology: Introduction to Ethnographic Film	3
ASAMER 10	Hmong Culture.....	3
ASAMER 15	Introduction to Asian American Studies.....	3
ASAMER 25	Asian American Social Issues	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/WSTS 24	La Chicana and Latina.....	3
CLS 33	Community Involvement: Service Learning	3
ETHNST 10	Introduction to Ethnic Studies	3
GLST 1	Introduction to Global Studies.....	3
GLST 2	Global Issues	3
POLSCI 2/2H	American Government, <i>or</i> Honors American Government	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
ECON 50/50H	Introduction to Macroeconomics, <i>or</i> Honors Introduction to Macroeconomics	3

Group 4C - Ethnic Studies Units

AFRAM/HIST 34	History of the American Civil Rights Movement.....	3
AMIND 34	The American Indian in Contemporary Society	3
ASAMER 1	Southeast Asian Americans (Peoples of Cambodia, Laos, Vietnam).....	3
JOURN 16	Race, Gender and the Media.....	3

Group 4D - Gender Studies Units

HIST 22	History of American Women	3
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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, <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 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 and Family in a Diverse Community.....	3
CHDEV/PSY 39	Child Growth and Development.....	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 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, <i>or</i> Honors General Psychology.....	3

Group 4J - Sociology & Criminology		Units
HS/SOC 10	Introduction to Aging Studies.....	3
SOC 1A/1AH	Introduction to Sociology, <i>or</i> 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.....	4
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 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

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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
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

AREA 7: ETHNIC STUDIES - One course required (three semester units minimum) **Units**

AFRAM 1	Introduction to African American Studies.....	3
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AMIND 31	American Indian Culture	3
ASAMER 15	Introduction to Asian American Studies.....	3
ASAMER 25	Asian American Social Issues	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/WSTS 24	La Chicana and Latina.....	3
CLS 33	Community Involvement: Service Learning	3

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

KINESIOLOGY

KINESIOLOGY – MAJOR #4555

revised program, Spring 2024

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 in Science

Student Learning Outcomes:

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

Choose a minimum of 9 units from the following:	Units	
HLTH 1	Contemporary Health Issues	3
HLTH 2	First Aid and Safety, <i>or</i>	
PE 20	Emergency Care and Injury Prevention.....	3
HLTH 5	Structures and Function.....	3
PE 26	Sports Psychology	3
PE 62	Introduction To Kinesiology	3

Choose a minimum of 6 units from the following:	Units	
FN 40	Nutrition, <i>or</i>	
FN 41	Sports 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	3

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PE 28	Foundations of Coaching.....	3
Fitness/Wellness Activities: Minimum of one course (1 unit)		
		Units
DANCE 9	Body Awareness, Mental Health and Conditioning through Dance	1
DANCE 10A	Beginning Modern Dance Technique	1.5
PE 6	Fitness and Health.....	1
PE 15A	Beginner Weight Training	1
PE 15B	Intermediate Weight Training.....	1
PE 15C	Advanced Weight Training.....	1
PE 17	Yoga	1
PE 17B	Intermediate Yoga	1
PE 27	High Intensity Interval Training	1
PE 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 18-22

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KINESIOLOGY FOR TRANSFER – MAJOR #4555

revised program, Spring 2024

An Associate in Arts in Kinesiology for Transfer is designed for students who plan to complete a bachelor's degree in Kinesiology at a CSU or UC campus. An Associate in Arts in Kinesiology prepares students to pursue studies in fields such as kinesiology/physical education credential programs, exercise science, athletic training/sports medicine, and sports administration. To earn the Associate in Arts in Kinesiology for Transfer, students must complete a maximum of 60 required semester units of CSU-transferable coursework, including either the CSU-GE Breadth or IGETC requirements and 21-23 semester units within the major. Students must maintain a minimum 2.0 GPA, including grades of C (or 'P') or higher in each course taken to fulfill the major. Local graduation requirements are not required for the transfer degree. For more information on university admission and transfer requirements, students should consult with a counselor.

Associate of Arts

Student Learning Outcomes:

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

Required Core Courses (15 units)	Units
BIOL 20 Human Anatomy, <i>and</i>	
BIOL 22 Human Physiology, <i>or</i>	
BIOL 21A Human Anatomy & Physiology I, <i>and</i>	
BIOL 21B Human Anatomy & Physiology II	9
HLTH 2 First Aid and Safety	3
PE 62 Introduction To Kinesiology	3

Movement-Based Courses (Required 3 units): Select one course maximum from three of the following areas; for a total of 3 or more units.

Area 1: Aquatics	Units
PE 12 Swimming	1

Area 2: Combatives	Units
PE 8 Basic Self Defense	1

Area 3: Dance	Units
DANCE 8A Beginning Hip Hop Technique	1
DANCE 9 Body Awareness, Mental Health and Conditioning through Dance	1
DANCE 10A Beginning Modern Dance Technique	1.5
DANCE 12A Beginning Ballet Part 1	1.5
DANCE 12B Beginning Ballet Part 2	1.5
DANCE 13A Intermediate Ballet Technique	1.5
DANCE 14 Beginning Jazz Dance Technique	1
DANCE 16 Beginning Tap Dance	1
DANCE 18 Intermediate Tap Dance	1
DANCE 28A Intermediate Modern Dance Technique	1.5

Area 4: Fitness	Units
PE 6 Fitness and Health	1
PE 17 Yoga	1
PE 27 High Intensity Interval Training	1
PE 15A Beginner Weight Training, <i>or</i>	
PE 15B Intermediate Weight Training, <i>or</i>	
PE 15C Advanced Weight Training	1

Area 5: Individual Sports	Units
PE 4 Badminton	1
PE 4B Intermediate Badminton	1
PE 7 Golf	1
PE 13 Tennis	1
PE 13B Intermediate Tennis	1

Area 6: Team Sports	Units
PE 5 Basketball	1
PE 14 Volleyball	1
PE 71 Soccer	1

Electives: Select One Course	Units
CHEM 1A General Chemistry I	5

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DS 23	Business Statistics, <i>or</i>	
MATH 11/11H	Elementary Statistics, <i>or</i>	
	Honors Elementary Statistics, <i>or</i>	
MATH/PSY 42	Statistics for the Behavioral Sciences.....	3-4
PHYS 2A	General Physics 1.....	4
		Total 21-23

MEDICAL ASSISTING

CLINICAL MEDICAL ASSISTANT – FORMERLY MEDICAL ASSISTANT-CLINICIAN – MAJOR #2122

revised program, Summer 2024

The Clinical Medical Assistant, Associate in Science Degree, is an entry-level career in the medical field. This program is designed for the student who desires employment and advancement in medical facilities assisting practitioners with the diagnosis and treatment of patients.

Admission Policy:

Enrollment is limited in the Clinical Medical Assistant Program. The applicant must have met all of the following conditions:

1. Have no physical impairment that would preclude the performance of all Clinical Medical Assistant duties. The student must submit evidence of a physical examination by a licensed practitioner.
2. Background checks may be required according to clinical placement facilities. A negative result may impact the student's ability to complete the Clinical Medical Assistant Program.
3. The program is structured as cohorts. Students must register in MA 4, MA 5, MA 6A, and MA 6B in the same semester.
4. Students must submit immunization record and tuberculosis clearance.
5. Students must earn a grade of "C" or higher in all major courses.

Note: Student success in the Clinical Medical Assistant Program increases when the foundational courses are taken first. MA 2 (Pharmacology, HIT 10 (Medical Terminology, and AHLTH 11 (Healthcare Ethical Concepts), should be taken prior to core Clinical Medical Assistant courses.

Associate of Science

Student Learning Outcomes:

1. Observe and document common medical conditions and diseases.
2. Perform clinical skills standard to the Clinical Medical Assisting profession.

Required Foundational Courses – Term 1		Units
AHLTH 11	Healthcare Ethical Concepts	2
HIT 10	Medical Terminology.....	3
MA 2	Pharmacology.....	3

Required Core Courses – Term 2		Units
MA 4	Office Laboratory Procedures.....	3
MA 5	Diagnostic and Therapeutic Procedures.....	3
MA 6A	Clinical Training	3
MA 6B	Advanced Training.....	3

Required Core Courses – Term 3		Units
FN 40	Nutrition	3
MA 19	Work Experience Education	3
		Total 26

CLINICAL MEDICAL ASSISTANT – FORMERLY MEDICAL ASSISTANT CLINICIAN – MAJOR #2122

revised program, Summer 2024

The Clinical Medical Assistant, Certificate of Achievement, is an entry-level career in the medical field. This program is designed for the student who desires employment in medical facilities assisting practitioners with the diagnosis and treatment of patients.

Admission Policy:

Enrollment is limited in the Clinical Medical Assistant Program. The applicant must have met all of the following conditions:

1. Graduate from high school or complete the General Educational Development (GED) test with an average score of 45.
2. Have no physical impairment that would preclude the performance of all Clinical Medical Assistant duties. After selection as a qualified student for the program, the student must submit evidence of a physical examination by a licensed practitioner.
3. Background checks may be required according to clinical placement facilities. A negative result may impact the student's ability to complete the Clinical Medical Assistant Program.
4. The program is structured as cohorts. Students must register for MA 4, MA 5, MA 6A, and MA 6B in the same semester.
5. Students must submit immunization records and tuberculosis clearance.
6. Students must earn a grade of "C" or higher in all major courses and maintain a minimum 2.0 GPA.

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Note: Student success in the Clinical Medical Assistant Program increases when the foundational courses are taken first. MA 2, (Pharmacology), HIT 10 (Medical Terminology), and AHLTH 11 (Healthcare Ethical Concepts) should be taken prior to core Clinical Medical Assistant courses.

Certificate of Achievement

Student Learning Outcomes:

1. Identify common medical conditions and diseases.
2. Perform clinical skills standard to the Clinical Medical Assisting profession.

Required Foundational Courses – Term 1		Units
AHLTH 11	Healthcare Ethical Concepts	2
MA 2	Pharmacology.....	3

Required Core Courses – Term 2		Units
MA 4	Office Laboratory Procedures.....	3
MA 5	Diagnostic and Therapeutic Procedures.....	3
MA 6A	Clinical Training	3
MA 6B	Advanced Training.....	3

Required Core Courses – Term 3		Units
MA 19	Work Experience Education	3
		Total 20

MUSIC

COMMERCIAL MUSIC – MAJOR #5850

revised program, Spring 2024

This program satisfies the music course requirements for the associate of science degree in commercial music and satisfies the requirements for the associate of science degree with a major in commercial music or music industry and the lower division course requirements at California state universities.

Associate in Science

Student Learning Outcomes:

1. Utilize current music technology to create, notate and record music.
2. Distinguish the fundamentals of form, theory, history, and performance as it relates to commercial music.
3. Correctly describe the development and current structure of the music industry as it applies to a career in commercial music.

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.....	3

Commercial Music:		Units
MUS 5	Computer Music Production	3
MUS 8	Audio Engineering	3
MUS 111	Music Business and Career Development.....	3
MUS 112	Introduction to Finale	2

Musical Proficiency		Units
MUS 7A	Ear Training I	1
MUS 20	Beginning Piano: Level I.....	2
MUS 21	Beginning Piano: Level II.....	2
MUS 24	Beginning Voice: Level I	2

Music History		Units
MUS 17	History of Rock	3

Ensembles: Select Four Units		Units
MUS 30	College Choir	1-2
MUS 34	Fresno Chorale.....	1-2
MUS 35	City Singers	1-2
MUS 39A	Opera Workshop.....	1
MUS 39B	Opera Production.....	1

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MUS 40	Concert Band.....	1-2
MUS 41	Jazz Ensemble	1-2
MUS 46	Symphony Orchestra	1-2
MUS 47A	Jazz Combo A	1
MUS 47B	Jazz Combo B	1
MUS 54	Latin Jazz Ensemble.....	1
MUS 55	Latin Jazz Workshop	1
MUS 60	Symphonic Choir	1-2
MUS 68	Symphonic Band.....	1-2
MUS 72	Jazz Composer's Orchestra	1-2
MUS 76	College Philharmonic Orchestra	1-2

Electives: Two or Three Units (if not used previously)		Units
MUS 1A	Music Theory I	3
MUS 1B	Music Theory II	3
MUS 2A	Music Theory III	3
MUS 2B	Music Theory IV.....	3
MUS 3	Music Fundamentals.....	3
MUS 5B	Music for Film, Television, and Video Games	3
MUS 7B	Ear Training: Level II.....	1
MUS 8B	Audio Engineering II	3
MUS 9	Composition.....	2
MUS 10A	Beginning Jazz Improvisation	2
MUS 10B	Intermediate/Advanced Jazz Improvisation	2
MUS 12	Music Appreciation	3
MUS 13	History of Music	3
MUS 15	Global Music Appreciation	3
MUS 16	Jazz History and Appreciation	3
MUS 18	Basic Conducting and Score Reading.....	2
MUS 22	Intermediate/Advanced Piano.....	1-2
MUS 25	Beginning Voice: Level II	2
MUS 26	Intermediate/Advanced Voice.....	1-2
MUS 27	Beginning Guitar: Level I	2
MUS 28	Beginning Guitar: Level II	2
MUS 29	Intermediate/Advanced Guitar	1-2
MUS 30	College Choir	1-2
MUS 34	Fresno Chorale.....	1-2
MUS 35	City Singers	1-2
MUS 40	Concert Band.....	1-2
MUS 41	Jazz Ensemble	1-2
MUS 42A	Intermediate/Advanced Brass (Brass Choir)	1-2
MUS 42B	Intermediate/Advanced Woodwinds(Woodwind Choir)	1-2
MUS 42C	Intermediate/Advanced Strings (String Orchestra)	1-2
MUS 42D	Intermediate/Advanced Percussion (Percussion Ensemble)	1-2
MUS 46	Symphony Orchestra	1-2
MUS 49	Advanced Large Ensembles.....	1
MUS 59	Advanced Chamber Ensembles	1
MUS 60	Symphonic Choir	1-2
MUS 68	Symphonic Band.....	1-2
MUS 72	Jazz Composer's Orchestra	1-2
MUS 76	College Philharmonic Orchestra	1-2
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
MUS 93	Songwriting.....	3
		Total 30-31

+ MUSIC TEACHING PROGRAM – MAJOR #5801

new program, Spring 2024

The Music Teaching Program is a four-semester program that is intended for those who are current or prospective music teachers. The certificate program and the sequence of courses is designed to provide students the technical skills, business skills, theoretical background, and the musical and historical knowledge needed to be effective teachers in a studio or music school environment in the community. The Music Teaching Program requires a total of 14 units. Upon successful completion of the program, students should be able to confidently play and teach beginning and intermediate repertoire from all periods

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of music. They should have a firm understanding of the available method books and curriculum, and be able to think critically, use correct terminology, and synthesize ideas and concepts about music.

Certificate of Achievement

Student Learning Outcomes:

1. Complete Studio Policy and Teaching Philosophy that will be a part of their web page.
2. Analyze, assess, and evaluate teaching method books for music students.

Required Courses	Units
MUS 1A Music Theory I	3
MUS 7A Ear Training I	1
MUS 20 Beginning Piano: Level I	2
MUS 21 Beginning Piano: Level II	2
MUS 81 Applied Music Masterclass and Lessons	2
MUS 150 Music Teaching I	2
MUS 151 Music Teaching II	2
Total 14	

PHYSICAL EDUCATION

PERSONAL TRAINING -FORMERLY PERSONAL TRAINING ENTREPRENEURSHIP – MAJOR #4332

revised program, Spring 2024

The Personal Trainer program prepares students to start a career as a fitness instructor. The focus is on developing personal training skills and concepts to build upon and promote a fitness lifestyle. Upon successful completion of the Personal Trainer certificate, students are also eligible to apply for certification as a personal trainer under one of the major certification companies.

Certificate of Achievement

Student Learning Outcomes:

1. Understand body physiology as it pertains to exercise and development.
2. Demonstrate proficiency in exercise movement and program design.

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

Select one course from the following:	Units
PE 15A Beginner Weight Training	1
PE 15B Intermediate Weight Training	1
PE 15C Advanced Weight Training	1

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

Select one course from the following:	Units
PE 4 Badminton	1
PE 5 Basketball	1
PE 6 Fitness and Health	1
PE 7 Golf	1
PE 8 Basic Self Defense	1
PE 12 Swimming	1
PE 12B Intermediate Swimming	1
PE 13 Tennis	1
PE 13B Intermediate Tennis	1
PE 14 Volleyball	1
PE 14B Intermediate Volleyball	1
PE 17 Yoga	1
PE 17B Intermediate Yoga	1
PE 27 High Intensity Interval Training	1
PE 71 Soccer	1

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PE 72	Spinning for Fitness.....	1
		Total 16

POLITICAL SCIENCE

POLITICAL SCIENCE FOR TRANSFER – MAJOR #7450

revised program, Fall 2023

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

Associate in Arts

Student Learning Outcomes:

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

Required Core: Select 3 courses

	Units
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

List A: Select 2 courses

	Units
MATH 11 Elementary Statistics, <i>or</i> MATH/PSY 42 Statistics for the Behavioral Sciences.....	4
POLSCI 1 Modern Politics.....	3

List B: Select 1 course

	Units
BA 20 Law and the Legal System.....	3
ECON 40 Introduction to Microeconomics, <i>or</i> ECON 50 Introduction to Macroeconomics.....	3
POLSCI 13 Legal and Judicial Reasoning.....	3
POLSCI 17 Grassroots Democracy.....	3
SOC 1B Critical Thinking about Social Problems.....	3
	Total 19

RECREATION

RECREATION LEADERSHIP – MAJOR #4300

revised program, Spring 2024

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 Outcomes:

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

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COURSE DESCRIPTIONS

Changes to Pages 341-578

Course Classification System

Credit, Nondegree Applicable

Change: add

# Administration of Justice 234E, Jail Training Officer	<i>effective Spring 2024</i>
# Administration of Justice 234F, Jail Orientation	<i>effective Spring 2024</i>
# Administration of Justice 234G, Correctional Pre-Academy Training	<i>effective Spring 2024</i>
# Fire Technology 263, Advanced Cardiovascular Life Support (ACLS)	<i>effective Spring 2024</i>
# Fire Technology 264, Pediatric Advanced Life Support (PALS)	<i>effective Spring 2024</i>

Change: change

# Administration of Justice 246M, Resident's Police Academy	<i>effective Spring 2024</i>
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Change: delete

Developmental Services 292, Learning Skills and Strategies	<i>effective Spring 2024</i>
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Noncredit

Change: add

Applied Technology 330, Precision Measurements	<i>effective Spring 2024</i>
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Change: delete

Developmental Services 359, Learning Assessment	<i>effective Spring 2024</i>
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Courses by Subject

Accounting (ACCTG)

Change: Prerequisite, corequisite

effective Spring 2024

# 19 Work Experience (Cooperative), Occupational, 1-8 units. Prerequisite: Accounting 4A. Corequisite: None.	
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Administration of Justice (AJ)

Change: units, hours

effective Spring 2024

# 219 Requalification – Basic Course, 7 units, 6.78 lecture hours, 2.11 lab hours, (Pass/No Pass), (Formerly Administration of Justice 119).	
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New course

effective Spring 2024

# 234E Jail Training Officer, 0.4 unit, 0.06 lecture hour, 1.28 lab hours, (Open Entry/Open Exit).	
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Prerequisite: None.

This course will provide newly appointed jail training officers with the ability to instruct new correctional officers with the basic information to perform their duties. Students will receive training on teaching jail operations, compliance techniques, power vs. authority, program objectives, adult learning, remediation, and instructional methods related to a detention facility.

New course

effective Spring 2024

# 234F Jail Orientation, 0.5 unit, 0.05 lecture hour, 1.77 lab hours, (Open Entry/Open Exit).	
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Prerequisite: None.

This course will provide newly hired correctional officers with the necessary information to familiarize themselves with the basic duties of a Correctional Officer. This course is California STC certified.

New course

effective Spring 2024

# 234G Correctional Pre-Academy Training, 0.3 unit, 0.06 lecture hour, 0.83 lab hour, (Open Entry/Open Exit).	
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Prerequisite: None.

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

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

This course will provide newly hired correctional officers training in various weapons, defensive tactics, tactical communication, use of force, and common transmissible diseases within a detention facility. This course is California STC certified.

Change: course title **effective Spring 2024**
246M Resident's Police Academy, 1 unit, 3 lab hours, (Pass/No Pass), (Open Entry/Open Exit).

Allied Health (AHLTH)

Change: advisory, description **effective Spring 2024**

1 Introduction to Public Health, 3 units, 3 lecture hours.

Advisory: English 1A.

This course is an introduction to the discipline of Public Health. Topics include basic concepts and terminologies, history of public health accomplishments, overview of the functions of public health professions and institutions, and health promotion in public health settings. (A, CSU, UC)

Change: advisory, description **effective Spring 2024**

2 Health and Social Justice, 3 units, 3 lecture hours.

Advisory: English 1A.

This course provides an introduction to health inequities in the United States. The focus includes how unequal living conditions, socioeconomic status, racism, education, and gender shape health epidemics and policy development. The basic skills necessary for promoting health and social justice will be explored. (A, CSU, UC)

Change: description **effective Spring 2024**

3 Public Health and Infectious Disease Tracing, 1 unit, 1 lecture hour.

Prerequisite: None.

This is an introductory course on infectious diseases and contact tracing. Topics include viral/bacterial incubation, transmission, infectious periods, disease symptoms, and prevention, and ethical considerations around contact tracing, isolation, and self-quarantine. The professional application of contact tracing to public health demands is to slow the spread of infectious diseases in a community. (A, CSU, UC)

Change: corequisite, advisory, description **effective Spring 2024**

19 Work Experience (Cooperative), Occupational, 1-8 units.

Corequisite: Allied Health 104. **Advisory:** English 1A.

This course is a supervised employment experience directly related to the student's major and is offered under specific majors. Collaborative learning objectives are required specific to the particular occupational field. Seventy-five hours of paid work or 60 hours of non-paid work per unit per semester. Maximum of 8 units per semester. Maximum 16 units total. Orientation hours may be required. (A, CSU)

Change: advisory, description **effective Spring 2024**

20 Improving Cultural Competence Through Cross-Cultural Experience, 2 units, 2 lecture hours.

Advisory: English 1A.

This field study course is designed to identify cultural and spiritual differences and develop strategies to overcome potential conflicts. (A, CSU)

Change: advisory, description **effective Spring 2024**

21 Culturally Relevant Health Promotion, 2 units, 2 lecture hours.

Advisory: English 1A.

This field study course researches and identifies basic health promotion activities relevant to the country and local ethnic groups. (A, CSU)

Change: description **effective Spring 2024**

100 Introduction to Health Careers, 2 units, 2 lecture hours.

Prerequisite: None.

This course is designed to assist students in establishing a solid foundation in the understanding of allied health professions and the multidisciplinary environment. Topics Include: Styles of learning, study skills to meet the precision (difficulty) of allied health programs, identification of verbal and non-verbal forms of communication, demonstrate an understanding of HIPAA and patient privacy. (A)

Change: description **effective Spring 2024**

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

Prerequisite: None.

This course prepares students for entry-level positions to assist in treatments for individuals with autism spectrum disorders (ASD). Topics include foundational knowledge in autism spectrum disorders (ASD), applied behavior analysis, and evidence-based intervention techniques. The professional application includes training and experience required for eligibility to take the certification exam to become a Registered Behavior Technician (RBT). (A)

American Sign Language (ASL)

Change: course title

effective Spring 2024

6 Linguistics of American Sign Language, 4 units, 4 lecture hours.

Applied Technology (AT)

Change: course title, units, hours, description

effective Summer 2024

19 Work Experience Education, 1-14 units.

Corequisite: Fall and Spring Semesters: Must be enrolled in at least one other course, in addition to occupational work experience. Summer Session: Enrollment in another college course is optional. Supervised employment directly related to the student's major. Offered under specific majors.

Supervised employment extending the classroom based on occupational learning related to Applied Technology Division departments. Collaborative learning objectives established specific to the particular occupational field. Orientation hours may be required. (A, CSU)

New course

effective Spring 2024

330 Precision Measurements, 3 lecture hours

Prerequisite: None.

The successful completion of the course enables students to demonstrate a solid understanding of the fundamentals of working with precision measurement instruments. The skills acquired during this comprehensive course are valuable TOOLS FOR LIFE that can lead to rewarding careers in a vast array of industries in the global marketplace. Precision measuring is the cornerstone of quality in products and services many people rely upon each day.

Automotive Technology (AUTOT)

Change: course title, units, hours, description

effective Summer 2024

19 Work Experience Education, 1-14 units.

Corequisite: Fall and Spring Semesters: Must be enrolled in at least one other course, in addition to occupational work experience. Summer Session: Enrollment in another college course is optional. Supervised employment directly related to the student's major. Offered under specific majors.

Supervised employment extending the classroom based on occupational learning related to automotive technology. Collaborative learning objectives established specific to automotive technology. Orientation hours may be required. (A, CSU)

Change: advisory

effective Spring 2024

68 Individualized Skills Training (IST) Truck & Bus Chassis System I Laboratory, 1 unit, 4 lab hours.

Advisory: English 1A.

Change: advisory

effective Spring 2024

68A Individualized Skills Training (IST) Truck & Bus Chassis System II Laboratory, 1 unit, 4 lab hours.

Advisory: English 1A.

Change: advisory

effective Spring 2024

68B Individualized Skills Training (IST) Truck & Bus Engine/Propulsion Systems, 1 unit, 4 lab hours.

Advisory: English 1A.

Change: advisory

effective Spring 2024

68C Individualized Skills Training (IST) Truck & Bus Power Train Systems Laboratory, 1 unit, 4 lab hours.

Advisory: English 1A.

Business Administration (BA)

Change: description

effective Spring 2024

5 Workplace Communication, 3 units, 3 lecture hours, (See also Business & Technology 5).

Prerequisite: None.

This course provides instruction in professional workplace communication, including written, oral, and presentation fundamentals, with emphasis on organization, correctness, completeness, conciseness, and tone. (A, CSU)

Business & Technology (BT)

Change: description

effective Spring 2024

1 Computer Document Processing I, 3 units, 2 lecture hours, 3 lab hours, (Formerly BSS 1A and Business Information Processing 1).

Prerequisite: None.

This course will teach students to produce correspondence, letters, memos, tables, and reports using the current word processing program. Students will develop keyboarding speed and accuracy, and typing by touch. (A, CSU)

Change: description

effective Spring 2024

5 Workplace Communication, 3 units, 3 lecture hours, (See also Business Administration 5), (Formerly BSS 1A and Business Information Processing 1).

Prerequisite: None.

This course provides instruction in professional workplace communication, including written, oral, and presentation fundamentals, with emphasis on organization, correctness, completeness, conciseness, and tone. (A, CSU)

Change: description

effective Spring 2024

6 Records Management, 2 units, 1.5 lecture hours, 1.5 lab hours, (Formerly Business Information Processing 10 and Business & Technology 10).

Prerequisite: None.

The course provides an introduction to filing methods and principles for all Business & Technology majors and employees in the business community. Students will learn internationally applied rules of record management for manual and computerized systems, equipment and supplies needed, retention, retrieval and the transfer phase of the record life cycle. (A, CSU)

Change: advisory, description

effective Spring 2024

9 Computer Applications I, 4 units, 3 lecture hours, 3 lab hours, (Formerly Business Information Processing 9).

Advisory: Students should be able to accurately type a minimum of 20 words per minute.

This is a hands-on learning course which covers an introduction to computers, their use, and the development of general computer skills with integrated software for office applications. Course content includes word processing, spreadsheets, graphics, database, and electronic communication, using Microsoft Office. (A, CSU)

Change: units, hours, advisory, description

effective Spring 2024

10 Computer Applications II, 3 units, 2 lecture hours, 3 lab hours.

Prerequisite: Business & Technology 9. **Advisory:** None.

Computer Applications II teaches advanced computer application skills for professional use. This includes preparing and enhancing documents, spreadsheets, databases, and presentations. Typically, the most current version of Microsoft Office is taught. (A, CSU)

Change: prerequisite, corequisite, description

effective Spring 2024

19 Work Experience (Cooperative), Occupational, 1-8 units, (Formerly Secretarial Science 19 and Business General Office 19).

Prerequisite: Business & Technology 1. **Corequisite:** None.

Students will learn success on the job, including interpersonal, problem solving, and communication skills; office dynamics and adapting to change. Class involves group interaction and collaborative learning activities specific to business & technology. Learning objectives are established specifically to business & technology. Seventy-five (75) hours of paid work or 60 hours of non-paid work per unit per semester. Maximum of 8 units per semester. Maximum 16 units total. Orientation hours may be required. (A, CSU)

Change: description

effective Spring 2024

23 Job Search and Workplace Skills, 3 units, 3 lecture hours.

Prerequisite: None.

Students will create marketable resumes, discover job search strategies, and practice interview techniques. Students will develop working relations competencies and tools for greater on-the-job productivity and career success. Human behavior, stress and time management, financial literacy, social and business relationships, goal setting, networking, business

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communications, etiquette, creating a portfolio, teamwork, conflict management, and monitoring social media accounts will be covered as well. (A, CSU)

Change: description **effective Spring 2024**

24 Beginning Excel, 1 unit, 1 lecture hour, 1 lab hour, (See also Computer Information Technology 31), (Formerly Business Information Processing 24).

Prerequisite: None.

In this course, students will learn to use Excel when creating a worksheet, formatting the worksheet, using formulas and functions, enhancing the display of workbooks, and creating graphs. (A, CSU)

Change: description **effective Spring 2024**

28 Microsoft Word I, 1.5 units, 1.5 lecture hours, 1 lab hour, (Formerly Business Information Processing 28).

Advisory: Business & Technology 106.

This course provides instruction on the basic features of Microsoft Word and is designed to equip students with the skills to prepare personal correspondence and reports. (A, CSU)

Change: description **effective Spring 2024**

29 Microsoft Word II, 1.5 units, 1.5 lecture hours, 1 lab hour, (Formerly Business Information Processing 29).

Prerequisite: Business & Technology 28.

In this course, students will learn the advanced features of Microsoft Word. Designed for office personnel using Microsoft Word on the job. (A, CSU)

Change: description **effective Spring 2024**

31 21st Century Workforce Skills, 1.5 units, 1.5 lecture hours, (Formerly Business & Technology 32).

Prerequisite: None.

This project-based course is designed to help students develop the 'soft' skills needed to succeed in today's changing workplace. Course topics will include the changing global economy, the rise of entrepreneurialism, how to be a competitive job seeker, and the top eight to ten soft skills, which include adaptability, analysis/solution mindset, collaboration, communication, digital fluency, entrepreneurial mindset, empathy, resilience, self-awareness, and social/diversity awareness. Supplementary items may include career/personality assessments that require a fee. (A, CSU)

Change: advisory, description **effective Spring 2024**

33 Social Media and Emerging Technologies in the Workplace, 3 units, 2 lecture hours, 3 lab hours.

Advisory: None.

This project-based course provides dynamic coverage of current information available on social networking and emerging technologies for today's workplace environments. It includes researching and applying the latest tools toward office and administrative problem solving. (A, CSU)

Change: description **effective Spring 2024**

104 Ten-Key Calculations, 2 units, 2 lecture hours, 1 lab hour, (Formerly Business General Office 8 and Business & Technology 4).

Prerequisite: None.

This course provides instruction on the operation of electronic calculators and the application of these calculators to business oriented problems. The development of employable ten-key touch skills. (A, CSU)

Change: description **effective Spring 2024**

106 Computer Keyboarding, 1.5 units, 1 lecture hour, 1.5 lab hours, (Formerly Business Information Processing 6 and Business & Technology 6).

Prerequisite: None.

In this course, students develop skills using the touch method to key letters, numbers, and figures on a computer keyboard. (A)

Change: description **effective Spring 2024**

112 Business English, 3 units, 3 lecture hours, (Formerly Business Information Processing 59 and Business & Technology 12).

Prerequisite: None.

In this course, students gain the skills needed to create grammatically correct work while improving their speaking and writing skills. Review rules of English grammar and apply concepts for communicating effectively in business settings. (A)

Change: description **effective Spring 2024**

115 Refresher Math, 3 units, 3 lecture hours, (Formerly Business General Office 53 and Business & Technology 15).

Prerequisite: None.

This course provides a review of math fundamentals involving fractions, decimals, percents, and measurements with application problems related to business and technology. Designed for students preparing for business occupations. (A)

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Change: description **effective Spring 2024**
120 Resume/Interview, 1 unit, 1 lecture hour, (Formerly Business General Office 59 and 59A and Business & Technology 20).

Prerequisite: None.

In this course, students will develop job-seeking skills to prepare for their desired careers. Students will learn how to create a professional business image, marketable resumes, follow-up letters, and practice interview techniques. (A)

Change: description **effective Spring 2024**
131 Applied Accounting, 3.5 units, 3 lecture hours, 2 lab hours, (Formerly Business General Office 51 and Business & Technology 31).

Prerequisite: None.

This course develops practical accounting skills for service and merchandising businesses involving classification of accounts, relationship of assets, liabilities, and owner's equity; posting, accounts receivable, accounts payable, financial reports, the accounting cycle, and payroll. (A)

Change: description **effective Spring 2024**
132 Customer Service in the One-Person Office, 3 units, 2 lecture hours, 3 lab hours.

Prerequisite: None.

In this course, students will learn practical, project-based course to enhance one's ability to gain and retain both customers and quality employees. (A)

Change: description **effective Spring 2024**
143 Medical Office Vocabulary, 1 unit, 1 lecture hour.

Prerequisite: None.

In this course, students will develop the ability to pronounce, spell, define, and use medical terms in a medical office. (A)

Change: description **effective Spring 2024**
144 Medical Administrative Assistant, 2.5 units, 2 lecture hours, 2 lab hours, (Formerly BSS 58, Business General Office 58 and Business & Technology 44).

Prerequisite: None.

Students will learn administrative procedures in a medical office/healthcare setting including preparing correspondence, filing rules for medical charts, conducting basic office operations, telephone and email etiquette, banking procedures, creating meeting documents including an agenda and minutes, electronic health records, and legal, ethical and cultural issues when interacting with patients. (A)

Change: title, description **effective Spring 2024**
147 Electronic Health Records, 2 units, 1 lecture hour, 3 lab hours, (Formerly Business Information Processing 63 and Business & Technology 47).

Prerequisite: None.

Students will be introduced to medical electronic management software. Students will learn to enter patient information, insurance information, payments, schedule appointments, and generate reports. (A)

Change: description **effective Spring 2024**
148 Medical Insurance & Billing Concepts, 2.5 units, 2 lecture hours, 2 lab hours, (Formerly BSS 64, Business General Office 64, and Business & Technology 48).

Prerequisite: None.

Students will learn to comprehend health insurance plans, complete various medical forms used in a medical office, and utilize diagnosis and procedural codes as well as codes for supplies, products, and services. (A)

Change: description **effective Spring 2024**
306 Computer Keyboarding, 1 lecture hour, 1.5 lab hours.

Prerequisite: None.

In this course, students develop skills using the touch method to key letters, numbers, and figures on a computer keyboard.

Change: description **effective Spring 2024**
331 21st Century Workforce Skills, 1.5 lecture hours.

Prerequisite: None.

This project-based course is designed to help students develop the 'soft' skills needed to succeed in today's changing workplace. Course topics include the changing global economy, the rise of entrepreneurialism, how to be a competitive job seeker, and the top ten soft skills, which include adaptability, analysis/solution mindset, collaboration, communication, digital fluency, entrepreneurial mindset, empathy, resilience, self-awareness, and social/diversity awareness. Supplementary items may include career/personality assessments that require a fee.

Change: repeats, description **effective Spring 2024**

375A Introduction to Keyboarding, 4 lab hours, (Open Entry/Open Exit).

Prerequisite: None.

In this course, students will develop typing skills using the touch method to key letters, numbers, and figures on a computer keyboard.

Change: repeats, description **effective Spring 2024**

375B Introduction to Filing, 1.56 lab hours, (Open Entry/Open Exit).

Prerequisite: None.

In this course, students will obtain an introduction to filing methods and principles utilizing the 12 rules of filing, which include alphabetic, geographic, numeric, government, and subject.

Change: repeats, description **effective Spring 2024**

375C Basic Office Communications, 1.78 lecture hours, 2.67 lab hours, (Open Entry/Open Exit).

Prerequisite: None.

In this course, students will develop and improve effective communication skills with an emphasis on spelling, proofreading, improving vocabulary, and telephone/email etiquette.

Change: repeats, description **effective Spring 2024**

375D Math Review and Ten-Key Calculator, 3.3 lab hours, (Open Entry/Open Exit).

Prerequisite: None.

In this course, students will develop and improve skills with emphasis on the 10-key calculator and math review.

Change: repeats, description **effective Spring 2024**

375E Job Search Documents, 0.83 lecture hour, 2.5 lab hours, (Open Entry/Open Exit).

Prerequisite: None.

In this course, students will create essential employment documents such as a resume, cover letter, and an employment application.

Change: description **effective Spring 2024**

377 Getting Started with Computers and Workplace Technology, 0.84 lecture hour, 0.83 lab hour, (Repeats = 3), (Pass/No Pass).

Prerequisite: None.

In this course, students gain basic technology literacy required for the workplace as well as for success in introductory technology courses. Skills include: launching a computer and navigating to applications, keyboarding, emailing, and creating basic documents.

Change: description **effective Spring 2024**

379 Introduction to Microsoft Office Applications, 1 lecture hour, 1.5 lab hours, (Repeats = 3), (Pass/No Pass).

Prerequisite: None.

This course provides a hands-on overview of essential Microsoft Office applications including Outlook, Word, Excel, Access, and PowerPoint.

Chemistry (CHEM)

New course **effective Spring 2024**

6B Environmental Chemistry with Lab, 4 units, 3 lecture hours, 3 lab hours.

Prerequisite: Elementary algebra or higher or eligibility for transfer-level mathematics.

This course and its laboratory component present the fundamentals of chemistry as applied to selected contemporary environmental topics concerning the atmosphere, water, solids, and green chemistry.

Computer Information Technology (CIT)

Change: description **effective Spring 2024**

31 Beginning Excel, 1 unit, 1 lecture hour, 1 lab hour, (See also Business & Technology 24), (Formerly Information Systems 24 and 74).

Prerequisite: None.

In this course, students will learn to use Excel when creating a worksheet, formatting the worksheet, using formulas and functions, enhancing the display of workbooks, and creating graphs. (A, CSU)

Dance (DANCE)

New course

effective Spring 2024

7 Introduction to Social and Cultural Dance, 1 unit, 3 lab hours.

Prerequisite: None.

This course is an introduction to basic social and cultural dances: such as swing, waltz, cha cha, tango, line dance, Hmong, Polynesian, African, Indian and Native American. Additional topics may include popular trends and the influence of social media on dance. (A, CSU)

Change: course number, title, description

effective Spring 2024

8A Beginning Hip Hop Technique, 1 unit, 3 lab hours, (Formerly Dance 8).

Prerequisite: None.

Students will learn basic techniques and styles of Beginning Hip Hop dance, both historical and current, emphasizing musicality, rhythms, and the basic movement required to develop Beginning Hip Hop skills. (A, CSU, UC)

Change: prerequisite, description

effective Spring 2024

8B Intermediate Hip Hop Technique, 1 unit, 3 lab hours.

Prerequisite: Dance 8A or demonstrated experience and skills at the beginning level as determined by instructor.

Students will learn Intermediate level techniques and styles of Hip Hop dance, both historical and current, emphasizing musicality, rhythms, and the movement required to develop intermediate Hip Hop skills. (A, CSU, UC)

Change: title, description

effective Spring 2024

9 Body Awareness, Mental Health and Conditioning through Dance, 1 unit, 3 lab hours.

Prerequisite: None.

Students will learn skills and techniques that promote body awareness, mental health and conditioning to improve body alignment, enhance and expedite body ability for dance skills, and aid in preventing injuries common to various dance styles. (A, CSU, UC)

Change: units, hours, description

effective Spring 2024

10A Beginning Modern Dance Technique, 1.5 units, 1 lecture hour, 2 lab hours, (Formerly Physical Education 4 and Dance 10).

Prerequisite: None.

Students will study modern dance technique, exercises and improvisations involving body movement, rhythm, design, dynamics, and expression. This will include body conditioning exercises for posture, strength, and flexibility. (A, CSU, UC)

Change: units, hours, description

effective Spring 2024

10B Pre-Intermediate Modern Dance Technique, 1.5 units, 1 lecture hour, 2 lab hours.

Prerequisite: Dance 10A or appropriate dance experience as determined by the instructor.

Students will study pre-intermediate modern dance technique, exercises and improvisations involving body movement, rhythm, design, dynamics, and expression. Body conditioning exercises for posture, strength, technique and flexibility. (A, CSU, UC)

Change: units, hours, description

effective Spring 2024

12A Beginning Ballet Part 1, 1.5 units, 1 lecture hour, 2 lab hours, (Formerly Physical Education 26 and Dance 12).

Prerequisite: None.

Students will learn the beginning level of classical ballet technique, using barre exercises and center work. Students will learn beginning ballet terminology and concepts. (A, CSU, UC)

Change: units, hours, description

effective Spring 2024

12B Beginning Ballet Part 2, 1.5 units, 1 lecture hour, 2 lab hours.

Prerequisite: Dance 12A.

Students will learn part two, beginning level of classical ballet technique, using barre exercises and center work. Students will learn beginning ballet terminology and concepts. (A, CSU, UC)

Change: description

effective Spring 2024

13A Intermediate Ballet Technique, 1.5 units, 1 lecture hour, 2 lab hours.

Prerequisite: Dance 12B or appropriate dance experience as determined by instructor.

Students will learn Intermediate level Ballet technique. They will use barre exercises, across the floor and center work. The class will include a demonstration of creating and teaching a ballet phrase. (A, CSU, UC)

Change: description

effective Spring 2024

13B Pre-Advanced Ballet Technique, 1.5 units, 1 lecture hour, 2 lab hours.

Prerequisite: Dance 13A or appropriate dance experience as determined by instructor.

Students will learn pre-advanced ballet technique. They will use barre exercises, across the floor and center work. The class will include a demonstration of creating and teaching a ballet phrase and a short combination. (A, CSU, UC)

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Change: description **effective Spring 2024**

14 Beginning Jazz Dance Technique, 1 unit, 3 lab hours, (Formerly Physical Education 27).

Prerequisite: None.

This class will teach students the fundamental technique of Jazz dance. Students will utilize basic steps and isolated body parts. They will be instructed to use appropriate conditioning exercises for strength, flexibility, balance, and alignment done to a rhythmic form of jazz and other contemporary music. (A, CSU, UC)

Change: description **effective Spring 2024**

15 Intermediate Jazz Dance Technique, 1 unit, 3 lab hours.

Prerequisite: Dance 14 or demonstration of comparable skill level to be determined by testing or video portfolio of past jazz dance performance work.

This class will be a progressive refinement of the jazz dance technique. Students will be building upon the skills and technique covered in Dance 14. A variety of jazz styles will be introduced to the students. (A, CSU, UC)

Change: units, hours, description **effective Spring 2024**

16 Beginning Tap Dance, 1 unit, 3 lab hours.

Prerequisite: None.

Students will be introduced to a variety of tap styles, sequences, and dance patterns to develop rhythm, coordination, and balance. (A, CSU, UC)

Change: units, hours, description **effective Spring 2024**

18 Intermediate Tap Dance, 1 unit, 3 lab hours.

Prerequisite: Dance 16 or previous tap dance experience.

Students will progressively refine their tap dance technique, building upon skills and techniques covered in Dance 16. Students will be presented with more advanced tap steps and styles. (A, CSU, UC)

Change: advisory, description **effective Spring 2024**

20A Beginning Modern Dance Composition, 3 units, 2 lecture hours, 3 lab hours, (Formerly Physical Education 20A).

Advisory: None.

Students in this class will learn modern dance technique warm up and exercises for development of movement vocabulary, strength, flexibility, alignment, range of motion, and rhythmic coordination. Guided group improvisations will be used for the development of personal movement vocabulary, creative outlet, and to hone in on basic cognitive and improvisational skills. There will be a study of modern dance as an art form, including brief discussions on history and theory. The study of dance composition theories and conceptual approaches will be discussed. Students will create work studies in the form of solos and group work. (A, CSU, UC)

Change: description **effective Spring 2024**

20B Intermediate Modern Dance Composition, 3 units, 2 lecture hours, 3 lab hours, (Formerly Physical Education 20B).

Prerequisite: Dance 20A.

Students in this class will learn intermediate level modern dance technique warm up and exercises for the further development of movement vocabulary, strength, flexibility, alignment, range of motion, and rhythmic coordination. Guided group improvisations will be used for the development of personal movement vocabulary, creative outlet, and to hone intermediate level cognitive and improvisational skills. There will be a study of modern dance as an art form, including brief discussions on history and theory. The study of dance composition theories and conceptual approaches will be discussed. Students will create solo and group work on a complex and multi-dimensional level. The student will be guided to hone in on one's own artistic voice and to be able to articulate their reasons for creation in an intelligent, comprehensive manner. (A, CSU, UC)

Change: prerequisite, description **effective Spring 2024**

21 Fall Dance Concert 1, 2-4 units, 1 lecture hour, 3-9 lab hours, (Formerly Physical Education 21).

Prerequisite: None.

This course introduces students to the experience of performing a dance concert on the stage. The students will be utilizing various dance techniques, learning the rehearsal process, memorizing choreography and the expectations included in performance etiquette. This course includes opportunities for students to learn production activities that support the dance concert. (A, CSU, UC)

Change: prerequisite, description **effective Spring 2024**

22 Spring Dance Concert 1, 2-4 units, 1 lecture hour, 3-9 lab hours, (Formerly Physical Education 22).

Prerequisite: None.

This course is an intro/beginning level for students who want to experience performing a dance concert on the stage. The students will be utilizing various dance techniques, learning the rehearsal process, memorizing choreography and expectations included in performance etiquette. This course includes opportunities for students to learn production activities that support the dance concert. (A, CSU, UC)

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Change: title, corequisite, advisory, description **effective Spring 2024**

26 American College Dance Association, 1.5 units, 2 lecture hours, 5 lab hours, (9 weeks), (Repeats = 3).

Corequisite: None. **Advisory:** Dance 10A, 22, 31, 32, 41, or 42.

Students selected for this course will be preparing to be dance participants in American College Dance Association conference. The student will partake in a variety of workshop classes and participate as a viewer at the adjudication concerts. The students will have the opportunity to perform before professional dance experts. Students selected for this course will participate and help coordinate the annual FCC Dance Expo event. (A, CSU)

Change: description **effective Spring 2024**

28A Intermediate Modern Dance Technique, 1.5 units, 1 lecture hour, 2 lab hours, (Formerly Dance 28).

Prerequisite: Dance 10B.

Students will develop Intermediate-level modern dance technique. This course will have emphasis on inverted movement, fast-pace locomotor patterns, and weight sharing. (A, CSU, UC)

Change: description **effective Spring 2024**

28B Pre-Advanced Modern Dance Technique, 1.5 units, 1 lecture hour, 2 lab hours.

Prerequisite: Dance 28A.

Students will develop pre-advanced level modern dance technique. This course will have emphasis on honing previous skills of DANCE 28A, including a variety of locomotor patterns, creativity, and a deeper understanding of modern dance concepts. (A, CSU, UC)

Change: advisory, description **effective Spring 2024**

30 Dance Appreciation, 3 units, 3 lecture hours.

Advisory: English 1A.

This course is a survey of dance as a historical form of cultural and theatrical expression. Emphasis on the growth of ballet, modern and jazz dance from their origins to the current trends in the United States will be studied. Dance 30 does not meet the Physical Education requirement. (A, CSU-GE, UC, I)

Change: description **effective Spring 2024**

31 Fall Dance Concert 2, 2-4 units, 1 lecture hour, 3-9 lab hours.

Prerequisite: Dance 21.

This course is a beginning level for students who want to experience performing a dance concert on the stage. The students will be utilizing various dance techniques and learning the rehearsal process at a beginning level. Students will hone their skills in memorizing choreography and/or how to clean and prepare the dance for the stage. This will include communication etiquette for the roles of choreographer, performer, designer and technician in relation to the dance theater production. This course includes opportunities for students to learn production activities that support the dance concert. (A, CSU, UC)

Change: description **effective Spring 2024**

32 Spring Dance Concert 2, 2-4 units, 1 lecture hour, 3-9 lab hours.

Prerequisite: Dance 22.

This course is a beginning/pre-intermediate level for students who want to experience performing a dance concert on a stage. The students will be utilizing various dance techniques and learning the rehearsal process at a beginning/pre-intermediate level. Students will hone their skills in memorizing choreography and/or how to clean and prepare the dance for the stage. The skill of improvisation will be honed as a choreographic skill. This will include communication etiquette for the roles of choreographer, performer, designer and technician in relation to the dance theater production. This course includes opportunities for students to learn production activities that support the dance concert. (A, CSU, UC)

Decision Science (DS)

Change: prerequisite, advisory, description **effective Spring 2024**

44 Introduction to Predictive Modeling, 3 units, 3 lecture hours, 1 lab hour.

Prerequisite: None. **Advisory:** None.

This course covers predictive analytics, predictive modeling life cycles, data preparation, training of neural networks. (A, CSU, UC)

Developmental Services (DEVSER)

Course deleted **effective Spring 2024**

50 Adapted Fitness and Flexibility, 1 unit, 1 lecture hour, 1 lab hour, (Formerly Physical Education 50).

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Course deleted **effective Spring 2024**
51 Adapted Aquatics, 0.5 unit, 2 lab hours, (Formerly Physical Education 51).

Course deleted **effective Spring 2024**
52 Adapted Sports, 0.5 unit, 2 lab hours, (Formerly Physical Education 52).

Course deleted **effective Spring 2024**
53 Adapted Strength Training, 0.5 unit, 2 lab hours, (Formerly Physical Education 53).

Change: advisory, description **effective Spring 2024**
54 Adapted Walking and Conditioning, 1 unit, 1 lecture hour, 1 lab hour, (Formerly Physical Education 8 and 54).
Advisory: None.
 This course is designed for students with disabilities. The emphasis is on the development and/or maintenance of basic physical/mental conditioning through walking. There will be cardiovascular fitness, stretching, nutritional evaluation and current topics about disability will be covered. (A, CSU, UC)

Change: title, advisory, description **effective Spring 2024**
55 Adapted Fitness, 1 unit, 1 lecture hour, 1 lab hour, (Formerly Physical Education 55).
Advisory: None.
 This course is designed for students with disabilities. The emphasis is on the development and/or maintenance of flexibility, strength, and fitness using progressive resistance, stretching, and cardiovascular fitness activities. A very basic introduction to nutrition and current topics that may pertain to various disabilities. (A, CSU, UC)

Change: grading method, description **effective Spring 2024**
250 Career Awareness, 4 units, 4 lecture hours.
Advisory: Counselor placement.
 Career Awareness emphasizes the development of tools, ideas, and strategies designed to be the blueprints for obtaining and retaining a job. Attitude and personality traits will merge with goal-setting and life management skills, enabling students to better link personal issues to long-term career success. This course is designed for students with disabilities.

Change: grading method, description **effective Spring 2024**
252A Communication Skills and Strategies 1, 4 units, 4 lecture hours.
Advisory: Counselor placement.
 Communication Skills and Strategies 1 emphasizes developing foundational communication skills and social skills at home, school, and in the community, using a variety of basic skills. This course expands basic communication skills, including the various ways people communicate, appropriate versus inappropriate communication, the different messages we send, styles of communication, and using communication for general conflict resolution. This course is designed for students with disabilities.

Change: grading method, description **effective Spring 2024**
252B Communication Skills and Strategies 2, 4 units, 4 lecture hours, (Formerly Developmental Services 252).
Advisory: Counselor placement.
 Communication Skills and Strategies 2 emphasizes developing strategies in the workplace and personal life related to personal disability, work ethics, communication and socialization important for employment. Students will expand their communication skills and use them as a vehicle for solving problems. This course is designed for students with disabilities.

Change: grading method, description **effective Spring 2024**
260 Job Search, Employment Portfolio, and Interview Development, 3 units, 3 lecture hours, 1 lab hour, (Formerly Developmental Services 60).
Advisory: Counselor placement.
 Job Search, Employment Portfolio, and Interview Development emphasizes the development of job search strategies including online applications, social networking sites, internet job search sites, creating and utilizing a professional network. Students will complete portfolios which will include the following: resumes, cover letters, letters of recommendation, and references. Students will develop and demonstrate interview skills. Students will develop and maintain a job search log during their job search process. This course is designed for students with disabilities.

Change: grading method, description **effective Spring 2024**
262 Group Interaction, 3 units, 3 lecture hours, (Formerly Developmental Services 62).
Advisory: Counselor placement.
 Group Interaction emphasizes the development and improvement of self-understanding through group interactions. This course is designed for students with disabilities.

Change: description **effective Spring 2024**
264 Transition to College for Students with Disabilities, 1 unit, 1 lecture hour, (Pass/No Pass).
Advisory: Counselor placement.

This course assists students with disabilities in preparing for their initial semester at a community college. Students will learn how to access State Center Community College District campuses, resources, academic policies, procedures and services. This course content will cover information related to accommodations and resources available to students with disabilities in a college setting. This course is designed for students with disabilities.

Change: title, hours, grading method, repeats, description **effective Spring 2024**

272 Consumer and Life Skills, 2 units, 2 lecture hours, (Repeats = 3), (Formerly Developmental Services 72).

Advisory: Counselor placement.

The emphasis of this course is basic critical thinking, decision making, problem solving skills, self awareness, home and money management, health, hygiene, safety, and food and nutrition. This course is designed for students with intellectual disabilities.

Change: title, hours, grading method, description **effective Spring 2024**

273 Independent Living Skills, 2 units, 2 lecture hours, (Formerly Developmental Services 73).

Advisory: Counselor placement.

The emphasis of this course is basic independent living skills including: appropriate communication, social interaction/interpersonal skills, self advocacy, health, community participation, leisure and transportation. This course is designed for students with intellectual disabilities.

Change: grading method, description **effective Spring 2024**

275 Horticulture Skills I, 2 units, 6 lab hours, (Formerly Developmental Services 75).

Advisory: Counselor placement.

This course covers basic techniques of foliage plant care and growing vegetables and ornamentals, with emphasis on transferable employment skills. It is designed for students with disabilities.

Change: grading method, description **effective Spring 2024**

276 Horticulture Skills II, 2 units, 6 lab hours, (Formerly Developmental Services 76).

Advisory: Developmental Services 275 and counselor placement.

The course covers intermediate techniques of foliage plant care and growing vegetables, with an emphasis on transferable employment skills. It is designed for students with disabilities.

Change: title, grading method, description **effective Spring 2024**

277 Beginning Computer Applications, 4 units, 4 lecture hours, (Formerly Developmental Services 77).

Advisory: Counselor placement.

Beginning Computer Applications is an introduction to computers and commonly used microcomputer applications, with a focus on computer use. This course emphasizes the basic applications of software and assistive technology. This course is designed for students with disabilities.

Change: title, grading method, description **effective Spring 2024**

278 Intermediate Computer Applications, 3 units, 3 lecture hours, 1 lab hour, (Formerly Developmental Services 78).

Advisory: Counselor placement.

This course emphasizes intermediate word processing, terminology and the understanding of Microsoft Office, including Microsoft Word, and Microsoft PowerPoint. This course is designed for students with disabilities.

Change: grading method, description **effective Spring 2024**

282 Greenhouse Workforce Prep, 3 units, 9 lab hours, (Formerly Developmental Services 82).

Advisory: Developmental Services 275 and 276.

This course covers the introduction to vocational training in an actual working greenhouse. It assists students in preparing for success in future employment. Topics covered include ornamental and vegetable plant growing and care, occupational behavior and interpersonal skill development. It is designed for students with disabilities.

Change: grading method, description **effective Spring 2024**

283 Reading Comprehension 1, 4 units, 4 lecture hours, (Formerly English 77 and English 277).

Advisory: Counselor placement. Prior to entering this course, students should be comfortable reading beginning college level material. Not recommended for students learning English as a second language.

Reading Comprehension 1 emphasizes the development of reading readiness skills through learning main ideas and important details, while building on existing reading skills. This course is designed for students with disabilities and prepares students for DEVSER 284.

Change: grading method, description **effective Spring 2024**

284 Reading Comprehension 2, 4 units, 4 lecture hours, (Formerly English 78 and English 278).

Prerequisite: Developmental Services 283. **Advisory:** Not recommended for students learning English as a second language. Counselor placement.

Reading Comprehension 2 emphasizes the further development of reading skills and strategies, while developing literal and critical comprehension. This course is designed for students with disabilities.

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

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Change: grading method, description**effective Spring 2024****285 Paragraphs to Essays, 2.5 units, 2 lecture hours, 2 lab hours, (Formerly English 81 and English 281).****Advisory:** Counselor placement. Prior to entering this course, it is recommended that students be able to compose an organized paragraph. Not recommended for students learning English as a second language.

Emphasis on developing a basic understanding of paragraph and essay structures. This course also highlights the recognition of various possible essay topics and developing an ability to find and correct grammatical errors. This course is designed for students with disabilities and prepares students for DEVSER 286.

Change: grading method, description**effective Spring 2024****286 Essay Development and College Writing, 2.5 units, 2 lecture hours, 2 lab hours, (Formerly English 82 and English 282).****Prerequisite:** Developmental Services 285. **Advisory:** Counselor placement. Prior to entering this course, it is recommended that students be able to compose a short, organized essay. Not recommended for students learning English as a second language.

Essay Development and College Writing emphasizes the further development of college writing skills through composition, revision, and beginning research strategies. This course is designed for students with disabilities.

Change: grading method, description**effective Spring 2024****291 Strategies for Academic Success, 2 units, 2 lecture hours.****Advisory:** Counselor placement.

The emphasis of this course is on developing strategies for academic success including: educational, personal and career goals, study principles, methods and strategies to achieve goals. This course is designed for students with disabilities.

Course deleted**effective Spring 2024****292 Learning Skills and Strategies, 2 units, 2 lecture hours, (Pass/No Pass).****Course deleted****effective Spring 2024****359 Learning Assessment, 8 lab hours, (Pass/No Pass), (Repeats = 4), (Open Entry/Open Exit), (Formerly Developmental Services 59).**

Ethnic Studies (ETHNST)

Change: description**effective Spring 2024****10 Introduction to Ethnic Studies, 3 units, 3 lecture hours, (Formerly American Studies 10)****Prerequisite:** None.

Interdisciplinary examination of race, ethnicity, racism, and racial and ethnic identity in U.S. society with focus on African American, Asian American, Native American, and Latina and Latino American communities. Emphasis on comparative and relational analysis and exploration of the intertwined histories of racial and ethnic groups in the U.S., institutional racism, resistance against racism, solidarity across racial and ethnic lines, and social and racial justice movements. Introduction to the history of Ethnic Studies as a discipline and key concepts in the field, such as the intersection of race and racism as they relate to class, gender, sexuality, religion, spirituality, national origin, immigration status, ability, tribal citizenship, sovereignty, language, and/or age in African American, Asian American, Native American, and Latina and Latino American communities. (A, CSU-GE, UC, I)

Fire Technology (FIRET)

Change: duration, hours**effective Spring 2024****# 2 Fire Prevention Technology, 3 units, 3.27 lecture hours, (18 weeks), (Formerly Fire Science 6).****Change: duration, hours****effective Spring 2024****# 3 Fire Protection Equipment and Systems, 3 units, 3.27 lecture hours, (18 weeks), (Formerly Fire Science 7).****Change: duration, hours****effective Spring 2024****# 14 Principles of Fire & Emergency Services Safety & Survival, 3 units, 3.27 lecture hours, (18 weeks).****Change: prerequisite, corequisite****effective Spring 2024****# 19 Work Experience (Cooperative), Occupational, 1-8 units.****Prerequisite:** Fire Technology 22B. **Corequisite:** None.**Change: course title, units, hours, description****effective Summer 2024****# 19 Work Experience Education, 1-14 units.**

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Prerequisite: Fire Technology 22B.

Supervised employment extending the classroom based on occupational learning related to fire technology.

Collaborative learning objectives established specific to the particular occupational field. Orientation hours may be required. (A, CSU)

Change: open entry/open exit

effective Spring 2024

130C Wildland Fire Fighter I, 2 units, 1.3 lecture hours, 3.1 lab hours, (Open Entry/Open Exit).

New course

effective Spring 2024

263 Advanced Cardiovascular Life Support (ACLS), 0.5 unit, 0.45 lecture hour, 0.45 lab hour, (Pass/No Pass), (Open Entry/Open Exit).

Prerequisite: None.

This course builds on the foundation of Basic Life Support (BLS) cardiovascular emergencies or arrest for emergency responders.

New course

effective Spring 2024

264 Pediatric Advanced Life Support (PALS), 0.5 unit, 0.45 lecture hour, 0.45 lab hour, (Pass/No Pass), (Open Entry/Open Exit).

Prerequisite: None.

This course reinforces the important concepts of pediatric assessments, basic life support and advanced treatments, algorithms, effective resuscitation, and team dynamics.

Food Service Management (FSM)

New course

effective Spring 2024

1 Principles of Food Preparation, 3 units, 1.8 lecture hours, 3.6 lab hours, (See also Food and Nutrition 1).

Advisory: English 1A.

This course applies food science principles with emphasis on ingredient function and interaction, food preparation techniques, sensory evaluation standards, food safety and sanitation, and nutrient composition of food. (A, CSU)

New course

effective Spring 2024

40 Experiential Food Preparation, 3 units, 1.5 lecture hours, 4.5 lab hours.

Prerequisite: Food Service Management 1 and 35 and ServSafe Manager's Certificate or equivalent.

Hands on experience is vital for success in commercial food service. Experiential food preparation will prepare students to work in a food service operation by providing hands on experience. (A, CSU)

Geology (GEOL)

Change: advisory, description

effective Spring 2024

1 Physical Geology, 4 units, 3 lecture hours, 2 lab hours.

Advisory: None.

This course consists of an introduction to the principles and unifying concepts of earth science including geologic time, formation and internal structure of the Earth, plate tectonics, rock and mineral identification, weathering processes, landforms, earthquakes, volcanic activity, flooding and groundwater resources. Laboratory exercises will include rock and mineral identification, and interpretation of topographic and geologic maps. Optional field trips to classic geologic locations. (A, CSU-GE, UC, I)

Change: advisory, description

effective Spring 2024

2 Historical Geology, 3 units, 3 lecture hours.

Advisory: None.

This course is an introduction to Earth's history using geologic dating techniques, plate tectonics, stratigraphy, and the processes that have shaped the global environment. Fossil evidence for the origin and evolution of life, natural selection, and environmental change in shaping both ancient and modern living communities are also presented. Emphasis will be given to North American paleogeography and tectonics. Laboratory activities use rocks, fossils, geologic maps and cross sections to interpret ancient environments, tectonic settings and geologic history. At least one field trip or an appropriate alternative activity are required. (A, CSU-GE, UC, I)

Change: description

effective Spring 2024

3 Geology Field Studies, 1 unit, 0.5 lecture hour, 1 lab hour, (Pass/No Pass).

Prerequisite: None.

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This course consists of geology field studies of a classic geologic location, such as Death Valley, Eastern Sierra, Lassen, Kings Canyon, San Andreas Fault, etc. Required camping field trips. Additional costs for food, campground, and entrance fees. (A, CSU, UC)

Change: advisory, description

effective Spring 2024

4 Geology of California, 3 units, 3 lecture hours.

Advisory: None.

This course is an introduction to the geologic setting and evolution of California using the concepts of plate tectonics, stratigraphy, and processes that have and are still shaping the landscape, including volcanism, earthquakes, and erosion. Optional field trips. (A, CSU-GE, UC, I)

Change: advisory, description

effective Spring 2024

5 Introduction to Oceanography, 3 units, 3 lecture hours.

Advisory: None.

This course is an introduction to the study of water on earth with an emphasis on physical oceanography. Topics include ocean and shoreline processes, plate tectonics, sea floor morphology, types and distribution of seafloor sediments, ocean sediment transport, ocean chemistry, ocean currents, marine resources, and environmental concerns. Optional field trips. (A, CSU-GE, UC, I)

Change: advisory, description

effective Spring 2024

9 Introduction to Earth Science, 4 units, 3 lecture hours.

Advisory: None.

This course is an introduction to the earth sciences with an emphasis on basic topics and principles in geology, oceanography, meteorology, and astronomy. Optional field trips to classic geologic locations. The course is designed for transfer Liberal Studies and Elementary Education for Transfer students. (A, CSU, UC)

Change: advisory, description

effective Spring 2024

12 Environmental Science, 3 units, 3 lecture hours, (Formerly Environmental Studies 7).

Advisory: None.

This course covers the application of scientific principles to the understanding of environmental problems and issues. Seeking solutions to contemporary environmental problems; historical, economical, political and social implications; relationships to scientific principles; ecosystems, urban affairs, housing, land planning, transportation, air and water pollution, water development, food production, wildlife, pest control, and population studies. (A, CSU-GE, UC, I)

New course

effective Spring 2024

12L Environmental Science Lab, 1 unit, 2 lab hours, 1 activity hour.

Corequisite: Geology 12.

This lab course is a companion to the Environmental Science Lecture, GEOL-12. This lab course examines the earth as an ecosystem composed of biological, chemical, and physical processes, with an emphasis on human impacts. Topics include air and water pollution, the structure and function of ecological systems, agricultural pesticide use, waste disposal, climate change, natural resource use, and environmental laws and policies. Emphasis on the environmental hazards and mitigation of hazards using case studies in the Central Valley of California. Field trips may be required. (A, CSU)

Health Information Technology (HIT)

Change: advisory, description

effective Spring 2024

1 Introduction to Health Information Management, 3 units, 3 lecture hours, (Formerly Medical Record Technology 1).

Advisory: Computer Information Technology 15 and English 1A.

This course is an introduction to Health Information Technology. Topics include health care delivery systems, hospital organization, the medical record, the processes of health information management, accreditation, licensure, and regulatory requirements. The professional application is to comprehend the role of the health information management professional. (A, CSU)

Change: prerequisite, advisory, description

effective Spring 2024

4 Disease Process, 3 units, 3 lecture hours.

Prerequisite: Health Information Technology 10 and Health Science 5. **Advisory:** English 1A.

This course covers general principles of pathophysiology. Topics include systematic study of symptoms, signs, etiology, course, complications, prognosis and prevention of human diseases. (A, CSU)

Change: advisory, description

effective Spring 2024

5 ICD Coding: Diagnoses, 3 units, 3 lecture hours.

Prerequisite: Health Information Technology 1 and 10. **Corequisite:** Health Information Technology 4. **Advisory:** English 1A.

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This course will cover medical coding of diagnoses using the International Classification of Diseases (ICD). Topics will include an overview of nomenclatures and classification systems with subtopics of coding rules, principles, and guidelines. State and federal regulations impacting coding will be covered along with an introduction to coding software applications. (A, CSU)

Change: prerequisite, corequisite, advisory, description **effective Spring 2024**
6 ICD Coding: Procedures, 3 units, 3 lecture hours.

Prerequisite: None. **Corequisite:** Health Information Technology 5. **Advisory:** English 1A.

This course will review medical coding of procedures using the International Classification of Diseases - Procedure Coding System. Topics will include coding rules, principles, guidelines, and regulations impacting coding. (A, CSU)

Change: advisory, description **effective Spring 2024**

8 Health Information Management and Supervision, 3 units, 3 lecture hours.

Prerequisite: Health Information Technology 1. **Advisory:** English 1A.

This course will explore effective management of technical and human factors in health information management while reviewing leadership, work design and process improvement. Students will be introduced to subjects in HIM management such as human resources, training and development, strategic and organizational management, financial management, project management, cultural diversity, and ethics. (A, CSU)

Change: advisory, description **effective Spring 2024**

10 Medical Terminology, 3 units, 3 lecture hours, (Formerly Medical Record Technology 10).

Advisory: English 1A.

This course will cover medical vocabulary with a concentration on prefixes, suffixes, and word roots. Word dissection and definitions will be highlighted as applied to the body system, including the terminology used in examinations, diagnoses, and procedures. (A, CSU)

Change: prerequisite, corequisite, advisory, description **effective Spring 2024**

11 CPT Coding, 3 units, 3 lecture hours.

Prerequisite: Health Information Technology 1 and 10. **Corequisite:** None. **Advisory:** English 1A.

This course covers Common Procedural Terminology (CPT) coding; Healthcare Common Procedure Coding System (HCPCS), and Ambulatory Payment Classifications (APCs) with emphasis on application of coding conventions and guidelines. Students will take an applied approach to billing processes and reimbursement issues and use of manual and electronic coding systems. (A, CSU)

Change: prerequisite, advisory, description **effective Spring 2024**

14 HIM Technology and Systems, 3 units, 3 lecture hours.

Prerequisite: Health Information Technology 1. **Advisory:** Computer Information Technology 15 and English 1A.

HIT-14 will cover electronic health records, computer applications, and information systems used in healthcare and health information management. Topics will include system selection, implementation, and analysis along with data requirements. Application to privacy and security in health information technology. (A, CSU)

Change: prerequisite, corequisite, advisory, description **effective Spring 2024**

15 Medical Coding Directed Practice, 1 unit, 3 lab hours, (Pass/No Pass).

Prerequisite: Health Information Technology 1. **Corequisite:** None. **Advisory:** English 1A.

This course will include supervised practice of diagnostic and procedure coding where students demonstrate their knowledge of regulatory compliance, revenue cycle, and reimbursement methodologies. Students will practice with AHIMA Virtual Lab encoding and revenue cycle applications. (A, CSU)

Change: corequisite, advisory, description **effective Spring 2024**

16 Healthcare Reimbursement, 2 units, 2 lecture hours.

Prerequisite: Health Information Technology 1. **Corequisite:** None. **Advisory:** English 1A.

This course will explore the functions and history of healthcare payment systems, including insurance plans, government healthcare programs, and managed care. Topics covered will be fraud and abuse compliance, along with revenue cycle management. (A, CSU)

Maintenance Mechanic CTC (MMCTC)

Change: description **effective Spring 2024**

370 Machine Shop and Equipment Repair for Maintenance Mechanics, 5.55 lecture hours, 11.11 lab hours, (Repeats = 3), (Pass/No Pass), (Open Entry/Open Exit), (Formerly MMVTC 70).

Prerequisite: None.

The focus of this course will be manual machining and welding techniques for equipment repair as needed for maintenance mechanics. Precision measurement procedures, hand tool usage, engine lathe operations, drilling, and milling

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procedures will also be introduced during your time in the course. This course will allow you to work in our lab using production equipment just as though you were on the job.

Medical Assisting (MA)

Course deleted

effective Spring 2024

1 Legal and Ethical Concepts, 2 units, 2 lecture hours.

Change: advisory, description

effective Spring 2024

2 Pharmacology, 3 units, 3 lecture hours.

Advisory: None.

This course is designed to analyze pharmacology as it relates to the clinical medical assistant profession and patient care. The topics of study include a detailed explanation of topics essential to understanding drug sources, legislation relating to drugs, drug reference and classification, and drug actions and administration. The clinical application is to master mathematical concepts needed to calculate a patient's medication dosage correctly. (A, CSU)

Change: hours, advisory, description

effective Spring 2024

4 Office Laboratory Procedures, 3 units, 2 lecture hours, 3 lab hours.

Advisory: Health Information Technology 10 and English 1A.

This course focuses on the collection and preparation of patient specimens for laboratory study and/or transportation. Topics include urinalysis, blood collection, recording of findings, regulations, and safety hazards. The clinical applications include safety standards relevant to specimen collection and handling, personal and patient safety. (A, CSU)

Change: hours, prerequisite, advisory, description

effective Spring 2024

5 Diagnostic and Therapeutic Procedures, 3 units, 3 lecture hours, 1 lab hour.

Prerequisite: Medical Assisting 2 or 4. **Advisory:** None.

This course is designed to prepare students to demonstrate the clinical skills necessary for patient preparation within diagnostic studies. Topics include diagnostic and therapeutic processes commonly performed in ambulatory care facilities. Clinical application includes performance of therapeutic procedures and documentation of findings. (A, CSU)

Change: advisory, description

effective Spring 2024

6A Clinical Training, 3 units, 3 lecture hours, 1 lab hour, (Formerly Medical Assisting 60A).

Advisory: Health Information Technology 10 and English 1A.

This course is designed to prepare students to practice medical assisting skills. Topics pertinent to medical assisting include: infection control, medical asepsis, interview and communication techniques, vital signs, patient education, and assisting in physical exams. (A, CSU)

Change: advisory, description

effective Spring 2024

6B Advanced Training, 3 units, 3 lecture hours, 1 lab hour, (Formerly Medical Assisting 60B).

Prerequisite: Medical Assisting 6A. **Advisory:** None.

This course covers medical assisting procedures in the specialty office within the scope of practice of a Medical Assistant. Topics include identification of common medical conditions, assisting the practitioner in the specialty offices, therapeutic modalities, infection control, sterilization procedures, medical office emergencies, critical thinking, adult and pediatric vital signs, gestation, orthopedic conditions, and vision and hearing screenings. (A, CSU)

Change: prerequisite, corequisite, description

effective Spring 2024

19 Work Experience (Cooperative), Occupational, 1-8 units.

Prerequisite: Medical Assisting 5 and 6B. **Corequisite:** None.

This course is a supervised employment experience directly related to the student's major and is offered under specific majors. Collaborative learning objectives are required specific to the particular occupational field. Seventy-five hours of paid work or 60 hours of non-paid work per unit per semester. Maximum of 8 units per semester. Maximum 16 units total. Orientation hours may be required. (A, CSU)

Change: course title, units, hours, description

effective Summer 2024

19 Work Experience Education, 1-14 units.

Prerequisite: Medical Assisting 5 and 6B.

This course is a supervised employment experience directly related to the student's major and is offered under specific majors. Collaborative learning objectives are required specific to the particular occupational field. Orientation hours may be required. (A, CSU)

Music (MUS)

Change: corequisite

effective Spring 2024

- # 7D **Ear Training: Level IV, 1 unit, 1 lecture hour, 1 lab hour.**
Prerequisite: Music 7C. **Corequisite:** Music 2B.

Change: title

effective Spring 2024

- 15 **World Music Appreciation, 3 units, 3 lecture hours.**

Natural Science (NATSCI)

Change: prerequisite, advisory, description

effective Spring 2024

- 1A **Integrated Science: Physics and Chemistry, 4 units, 3 lecture hours, 3 lab hours.**

Prerequisite: None. **Advisory:** English 1A and Mathematics 103.

This course covers basic concepts of physics and chemistry and their relation to the everyday environment. It includes laboratory and demonstrations with special application to K-6 teachers. It is specifically designed to satisfy the requirements of students who intend on transferring to the CSU Liberal Studies Major. (A, CSU-GE, UC)

Physical Education (PE)

Change: title, description

effective Spring 2024

- 15A **Beginner Weight Training, 1 unit, 3 lab hours, (Formerly Physical Education ACT 11B).**

Prerequisite: None.

In this activity course, students will learn total body development by exercising against resistance. The class is structured to satisfy the strength building needs of beginner individuals with little to no experience lifting weight. Students will safely learn how to exercise, the use of various fitness equipment, and the importance of lifelong physical activity. (A, CSU-GE, UC)

Change: title, description

effective Spring 2024

- 15B **Intermediate Weight Training, 1 unit, 3 lab hours, (Formerly Physical Education ACT 11A).**

Prerequisite: None.

In this activity course, students will learn total body development by exercising against weighted resistance. The class is structured to satisfy the strength building needs of individuals with small to moderate experience in weight lifting and weight lifting techniques. Students will safely learn how to exercise, the use of various fitness equipment, and the importance of lifelong physical activity. Not required to take PE-15A prior to this course. (A, CSU-GE, UC)

Change: title, description

effective Spring 2024

- 15C **Advanced Weight Training, 1 unit, 3 lab hours, (Formerly Physical Education ACT 11C).**

Prerequisite: None.

In this advanced course, students will learn total body development by exercising against weighted resistance. The class is structured to satisfy the strength building needs of individuals with moderate and above experience in weightlifting and powerlifting exercises. Students will safely learn how to exercise, the use of various fitness equipment, and the importance of lifelong physical activity. Not required to take PE-15 A/B prior to this course, but powerlifting experience is recommended. (A, CSU-GE, UC)

Physical Science (PHYSC)

Change: advisory, description

effective Spring 2024

- 11 **Introductory Physical Science, 3 units, 3 lecture hours.**

Advisory: English 1A and knowledge of elementary algebra recommended.

This course is an emphasis on a survey of physics, chemistry, and earth science, including mechanics, thermodynamics, electricity and magnetism, optics, modern physics, nuclear physics, chemical systems, chemical reactions, geologic time, weather phenomena, astronomy, and cosmology. It is designed primarily for non-science majors. (A, CSU-GE, UC, I)

Registered Nursing (RN)

Change: corequisite

effective Summer 2024

19 Work Experience Education, 1-14 units.

Prerequisite: Registered Nursing 31, 32, and 32A.

Success on the job in a health care setting, including interpersonal, problem solving, and communication skills; office dynamics and adapting to change. Group interaction. Collaborative learning activities specific to the occupational field. Learning objectives established specific to the particular occupational field. (A, CSU)

Respiratory Care (RCARE)

New course

effective Summer 2024

101 RCARE Preparatory Program Course, 2 units, 2 lecture hours, 0.5 lab hour.

Prerequisite: Allied Health 100, Biology 31, Chemistry 3A, Mathematics 103, and Biology 20 and 22 or Biology 21A and 21B. **Advisory:** English 1A.

This course is designed to demystify program expectations for students that have been selected to enter the respiratory care practitioner program. The focus of the course is to provide a basic foundation of medical terms, math concepts, and patient assessment. (A)

Spanish (SPAN)

Change: description

effective Spring 2024

1 Beginning Spanish, 5 units, 5 lecture hours, (Formerly Spanish 1B)

Prerequisite: Spanish 1 or two years of high school Spanish or equivalent. **Advisory:** English 1A.

This introductory course teaches beginning language acquisition in a cultural context through listening, speaking, reading and writing. The students will interact with authentic language in a cultural context. This course is not recommended for students who understand and/or speak Spanish at home. This course is not open to students qualified for or with credit in Spanish 2NS, 3NS, or 4NS. (A, CSU-GE, UC, I)

Change: description

effective Spring 2024

2 High-Beginning Spanish, 5 units, 5 lecture hours, (Formerly Spanish 1A)

Advisory: English 1A.

This course continues to teach language acquisition in a cultural context through listening, speaking, reading and writing at the second semester level. The students will continue to interact with authentic language in a cultural context. This course is not recommended for students who understand and/or speak Spanish at home. This course is not open to students qualified for or with credit in Spanish 3NS or 4NS. (A, CSU-GE, UC, I)

Theatre Arts (TA)

Change: duration, hours

effective Spring 2024

348 Senior Play Production, 0.9 lecture hour, 8 lab hours, (18 weeks), (Repeats = 99), (Formerly Theatre Arts 80).

Welding Technology (WELD)

Change: advisory, description

effective Spring 2024

1 Exploring Welding/Metals, 3 units, 2 lecture hours, 3 lab hours, (Formerly Industrial Education 5)

Advisory: Welding Technology 130.

Students will be introduced to oxyacetylene cutting. Shielded metal arc welding (SMAW) and gas metal arc welding (GMAW) in the flat and horizontal positions. They will learn and use these basic skills to produce quality welds in the lab. An emphasis is placed on safety and developing good welding shop habits. (A, CSU)

Change: corequisite, advisory, description

effective Spring 2024

2A Introduction to Welding Technology, 6 units, 4 lecture hours, 6 lab hours

Corequisite: Welding Technology 130. **Advisory:** None.

This course features Oxy-Fuel Cutting (OFC), Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW) and Gas Tungsten Arc Welding. An emphasis on good manipulative welding skills for joining steel, stainless steel and aluminum. Use of various electrodes. An introduction to the electrode and base metal classification system. (A, CSU)

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

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

Change: description**effective Spring 2024****2B Advanced Multi-Process Welding, 5 units, 3 lecture hours, 7 lab hours****Prerequisite:** Welding Technology 2A.

Take your welding skills to the next level by welding in the vertical and overhead position with the Shielded Metal Arc, Gas Metal Arc, Flux Cored Arc and Gas Tungsten Arc Welding along with Air Carbon Arc Gouging and Plasma Cutting. Materials used will cover mild steel, aluminum and stainless steel. The techniques learned will help prepare students to specialize in Welding Fabrication and or Pipe and Structural Steel programs offered at Fresno City College. (A, CSU)

Change: corequisite, description**effective Spring 2024****3A Welding Design and Fabrication, 5 units, 3 lecture hours, 7 lab hours****Prerequisite:** Welding Technology 3A.

Learn the fundamentals of metal fabrication. Understanding and demonstrating the various methods of constructing projects will be covered, along with understanding and developing the necessary skills to properly utilize various pieces of equipment to fabricate projects from a set of plans. As part of being a successful fabricator, learning how to adapt to changes in the manufacturing process is critical. (A, CSU)

Change: description**effective Spring 2024****3B Intermediate Welding Design and Fabrication, 5 units, 3 lecture hours, 7 lab hours****Prerequisite:** Welding Technology 2B. **Corequisite:** Computer Aided Drafting & Design 22. **Advisory:** Drafting 12.

Applying the theory and skills learned in Weld 3A, students will expand their welding and fabrication skills to build independent projects, advancing their knowledge and skills necessary to start working in the welding fabrication industry. A continuation of Welding 3A in the design, construction and finishing of welded projects. (A, CSU)

Change: advisory, description**effective Spring 2024****4A Heavy Plate, Structural Steel and Welding Certification, 5 units, 3 lecture hours, 7 lab hours****Prerequisite:** Welding Technology 2B. **Advisory:** None.

This course's emphasis is on students obtaining welding certifications in vertical and overhead welding positions (3G and 4G). Students will learn and preform structural welding fit-ups and continue to develop upon previously learned welding processes like, Shielded Metal Arc Welding (SMAW), Flux Cored arc Welding (FCAW) and Gas Metal Arc Welding (GMAW). This will provide the student with the opportunity to take and perform an American Welding Society (AWS) Structural Welding Code Certification test. (A, CSU)

Change: advisory, description**effective Spring 2024****4B Pipe, Tube Welding and Certification, 5 units, 3 lecture hours, 7 lab hours****Prerequisite:** Welding Technology 4A. **Advisory:** None.

Students will continue to develop the skills necessary using Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW), and Flux Cored Arc Welding (FCAW) processes to preform welding on various different piping systems. Students will develop upon Fit-up and assemble joint configurations that will be used in pressure vessels, power systems, cross-country and refinery applications. This will give students the opportunity to perform welding certification tests in accordance with API, AWS, and ASME codes. (A, CSU)

Change: prerequisite description**effective Spring 2024****5A Automated Welding, 3 units, 2 lecture hours, 4 lab hours****Prerequisite:** Welding Technology 83A.

This course is the first of a two-part series introducing fundamental theory and hands-on application of robotic welding automation. Emphasizes safety awareness, programming techniques, and basic gas metal arc welding. Application will consist of using six-axis robotic welding equipment. (A, CSU)

Change: corequisite, description**effective Spring 2024****6A Shielded Metal Arc Welding Theory and Application, 3.5 units, 2 lecture hours, 4.75 lab hours****Corequisite:** Welding Technology 130. **Advisory:** Applied Technology 10.

This course covers the theory and application of the shielded metal arc welding process. Welding will be done in the flat, horizontal, vertical and overhead positions on mild steel. This will prepare students to take the American Welding Society (AWS) D1.1 qualification test. An introduction to the principles of shielded metal arc welding (SMAW), setup/use of SMAW equipment, and safe use of tools and equipment. Provides instruction in welding carbon steel weld joints in various positions. (A, CSU)

Change: corequisite, description**effective Spring 2024****6B Semi-Automatic Wire Feed Welding, 3.5 units, 2 lecture hours, 4.75 lab hours****Corequisite:** Welding Technology 130. **Advisory:** Applied Technology 10.

This course covers the theory and application of semi-automatic wire feed process to include Gas Metal Arc Welding and Flux Core Arc Welding. Welding will be done in the flat, horizontal, vertical, and overhead position using mild steel, and stainless steel. (A, CSU)

Change: corequisite, description**effective Spring 2024****6C Gas Tungsten Arc Welding Theory and Application, 3.5 units, 2 lecture hours, 4.75 lab hours**

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

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

Corequisite: Welding Technology 130. **Advisory:** Applied Technology 10.

This course covers the theory and application of the Gas Tungsten Arc Welding (GTAW) process. Welding will be done in the flat, horizontal, vertical, and overhead position using mild steel, and stainless steel and aluminum. (A, CSU)

Change: advisory

effective Spring 2024

10 Pipe and Tube Fitting, 2 units, 1 lecture hour, 3 lab hours

Prerequisite: Welding Technology 3B and 4B. **Advisory:** None.

This course assists students in pipe and tube fitting, measurements, patterns, marking and layout tools used in the pipe welding industry. Techniques of fitting and cutting various pipe and tubing joint designs will be practiced. (A, CSU)

Change: title, advisory, description

effective Spring 2024

56 Print Reading for Welders, 2 units, 2 lecture hours

Advisory: None.

Print reading for welders will introduce you to the basic fundamentals of print reading and welding symbol interpretation as required by the welding trade. (A, CSU)