

MENDOCINO COLLEGE

2026 - 2027 Catalog



Courses & Programs

www.mendocino.edu

Mendocino College 2026 - 2027 Catalog



LISTING OF PROGRAMS



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DEGREES AND CERTIFICATES

Associate Degrees for Transfer

Administration of Justice
 Art History
 Biology
 Business Administration 2.0
 Chemistry (for UC Transfer)
 Communication Studies 2.0
 Computer Science
 Early Childhood Education
 Economics
 English
 Geology
 History

Kinesiology
 Mathematics
 Music
 Political Science
 Psychology
 Social Justice (Ethnic Studies)
 Social Justice (General Studies)
 Sociology
 Spanish
 Studio Arts
 Theatre Arts

Associate Degrees

Addiction and Recovery Counseling
 Administration of Justice
 Agriculture – Horticulture
 Art
 Ceramics
 Painting
 Printmaking
 Automotive Technology
 Biological Science
 Business
 Accounting
 Business Management
 Child Development / Family Relations
 Computer Science
 Computer Applications and
 Office Administration
 Cybersecurity
 Information Technology
 Culinary Arts Management
 Earth Science
 Ethnic Studies
 Fire Science

Health
 Allied Health
 Health Science
 Human Services Paraprofessional
 Liberal Arts & Sciences with emphasis in:
 Education
 Kinesiology and Health
 Native American Studies
 Social Science
 Music
 Instrumental
 Recording Arts and Technology
 Vocal
 Natural Resources
 Nursing
 Registered Nurse
 LVN to RN Career Ladder
 Physical Therapist Assistant
 Psychology
 Real Estate
 Theatre Arts
 Dance
 Theatre

Certificates of Achievement

Addiction and Recovery Counseling
 Administration of Justice
 Agriculture
 Landscape Practices
 Nursery Production
 Sustainable Small Farms
 Management
 Viticulture Skills

Art
 Ceramics – Master Technician
 Textiles and Clothing Construction
 Automotive Technology
 Advanced Automotive Hybrid and Electric Vehicles
 Automotive Chassis Specialist
 Automotive Technician
 Automotive Tune-up and Electronics Specialist

Business

- Accounting
- Business Entrepreneurship
- Business Information Worker I
- Business Information Worker II
- Business Management
- Retail Management

California General Education Transfer Curriculum (Cal-GETC)

Child Development

Computer Science

- Computer Applications and Office Administration
- Digital Forensics
- IT Specialist
- Network Defense
- Penetration Test Professional
- Web Development

Culinary Arts Management

Digital Arts and Media

Fire Science

- Company Officer
- Fire Science

Hospitality Management

Human Services

- Human Service Worker
- Human Services Paraprofessional

Music

- Recording Arts and Technology

Nursing

- LVN to RN

Real Estate

Sustainable Construction and

Energy Technology

- Construction
- Renewable Energy
- Building Efficiency and Performance

Theatre Arts

- Technical Theatre

STEM Preparation

Vocational Nursing

Woodworking

- Fine Woodworking I
- Fine Woodworking II

Certificates of Completion

Automotive Technology

- Automotive Chassis Specialist
- Advanced Automotive Chassis Specialist

Computer Science

- Presentations
- Spreadsheets
- Word Processing

English as a Second Language

- Advanced ESL Preparation
- Intermediate ESL Preparation

Learning Skills

- Employment Work Skills

Sustainable Construction and Energy Technology

- Introduction to the Construction Trades

Certificates of Competency

Basic Academic Skills

Basic Computer Skills

Communication Skills ESL Preparation

Certificates of Skills

Culinary Arts

- Beginning Baker
- Intermediate Line Cook
- Line Cook

Learning Skills

- Practical Living

ADDICTION AND RECOVERY COUNSELING

Office of Instruction • 707.468.3002

Degrees

A.S. Addiction and Recovery Counseling

Certificate of Achievement

Addiction and Recovery Counseling

ADDICTION AND RECOVERY COUNSELING ASSOCIATE OF SCIENCE

The Addiction and Recovery Counseling major addresses a wide range of issues in the field of addiction through its degree and certificate coursework. Students vary from recent high school graduates to working professionals with advanced college degrees. Students are able to apply and integrate their academic learning through required practicum experiences in various public and private agencies, institutions and businesses. The Addiction and Recovery Counseling Program exceeds the minimal standards for Addiction Studies Programs established by the federal Substance Abuse and Mental Health Services Administration. These standards were identified by State of California legislation as meeting the educational requirements for counselor certification. Degree and certificate completers qualify to apply for certification through a variety of state-approved certification boards. Completion of the Associate of Science degree will assist students in obtaining entry-level employment, job promotion/salary increases or transfer to a four-year college or university. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements.

Required Courses – Major

Course Number	Course Name	Units
ARC 151	Alcohol and Drugs: Overview	3
ARC 153	Physiology and Pharmacology of Alcohol and Drugs	3
ARC 158	ARC Practicum Preparation	1.5
ARC 164	Field Placement and Practicum Seminar I	1.5
ARC 165	Field Placement and Practicum Seminar II	1.5
ARC 197A	Addiction and Recovery Counseling Practicum	4
HUS 152	Basic Skills for Human Service Workers	3
HUS 154	Fundamentals of Interviewing and Counseling	3
HUS 155	Group Leadership and Group Process	3
HUS 156	Case Management and Documentation	3
HUS 157	Co-Occurring Disorders and Mental Health Issues	2
HUS 159	Intervention Theory and Techniques	2
HUS 160	Law, Ethics and Human Services	2
HUS 161	Introduction to Family Counseling Approaches	3
HUS 162	Community Prevention Theory and Practice	3
HUS 163	Professional Competency and Growth	2

Total Major Units

40.5

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Access, interpret, evaluate, and synthesize information using multiple resources, including current information technology.
2. Analyze, understand, and evaluate diverse ideas, beliefs, and behaviors.
3. Understand and demonstrate the core addiction counseling competencies as outlined in the U.S. Dept. of Health and Human Services/SAMHSA Technical Assistance Publication #21.
4. Demonstrate responsibility for their actions and work effectively as individuals and as members of a team.

ADDICTION AND RECOVERY COUNSELING CERTIFICATE OF ACHIEVEMENT

The Addiction and Recovery Counseling major addresses a wide range of issues in the field of addiction through its degree and certificate coursework. Students vary from recent high school graduates to working professionals with advanced college degrees. Students are able to apply and integrate their academic learning through required practicum experiences in various public and private agencies, institutions and businesses. The Addiction and Recovery Counseling Program exceeds the minimal standards for Addiction Studies Programs established by the federal Substance Abuse and Mental Health Services Administration. These standards were identified by State of California legislation as meeting the educational requirements for counselor certification. Degree and certificate completers qualify to apply for state certification as a substance abuse counselor. Completion of the Addiction and Recovery Counseling program will assist students in obtaining entry-level employment, job promotion/salary increases or transfer to a four-year college or university.

Required Courses:

Course Number	Course Name	Units
ARC 151	Alcohol and Drugs: Overview	3
ARC 153	Physiology and Pharmacology of Alcohol and Drugs	3
ARC 158	ARC Practicum Preparation	1.5
ARC 164	Field Placement and Practicum Seminar I	1.5
ARC 165	Field Placement and Practicum Seminar II	1.5
ARC 197A	Addiction and Recovery Counseling Practicum	4 – 8
HUS 152	Basic Skills for Human Service Workers	3
HUS 154	Fundamentals of Interviewing and Counseling	3
HUS 155	Group Leadership and Group Process	3
HUS 156	Case Management and Documentation	3
HUS 157	Co-Occurring Disorders and Mental Health Issues	2
HUS 159	Intervention Theory and Techniques	2
HUS 160	Law, Ethics and Human Services	2
HUS 161	Introduction to Family Counseling Approaches	3
HUS 162	Community Prevention Theory and Practice	3
HUS 163	Professional Competency and Growth	2

Total units required for Certificate

40.5 – 44.5

Program Level Student Learning Outcomes:

1. Demonstrate responsibility for their actions and work effectively as individuals and as members of a team.
2. Access, interpret, evaluate, and synthesize information using multiple resources, including current information technology.
3. Understand and demonstrate the core addiction counseling competencies as outlined in the U.S. Dept. of Health and Human Services/SAMHSA Technical Assistance Publication #21.
4. Analyze, understand, and evaluate diverse ideas, beliefs and behaviors.

ADMINISTRATION OF JUSTICE

Christopher Dewey • 707.468.3205

Degrees

A.S.-T Administration of Justice
A.S. Administration of Justice

Certificate of Achievement

Administration of Justice

ASSOCIATE IN SCIENCE IN ADMINISTRATION OF JUSTICE FOR TRANSFER

Administration of Justice is the scientific study of law enforcement, judiciary, corrections, and probation. It follows a detailed and programmatic approach in crime and injustice in society. Administration of Justice professionals are mostly involved in upholding the law and maintaining order in the community. The Associate in Science in Administration of Justice for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Administration of Justice or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements.

Required Courses – Major Units

Course Number	Course Name	Units
ADJ 200	Introduction to Administration of Justice	3
ADJ 202	Concepts of Criminal Law	3

Plus 6 additional units selected from the following

Course Number	Course Name	Units
ADJ 104	Legal Aspects of Evidence	3
ADJ 106	Principles of Investigation, Crime Scene, and Laboratory Techniques	3
ADJ 204	Community Relations	3
ADJ 206	Juvenile Justice	3
ADJ 207	Corrections	3

Plus 6 additional units selected from the following or any not used above

Course Number	Course Name	Units
ADJ 108	Patrol Procedures and Police Report Writing	3
ADJ 109	Victimology	3
ADJ 150	Public Safety Leadership	3

Total Major Units **18**

Total Degree Units **60**

Program Level Student Learning Outcomes:

1. Use information of crime scene management and investigation, forensics analysis and information technology to conduct rudimentary criminal investigations.
2. Utilizing current demographic data on incarcerated persons, identify how race factors into current penal system models and the need for restorative justice models to be implemented.
3. Articulate the differences between the major criminological theories of the causes of crime and how those theories relate to policies toward crime and criminal behavior.
4. Describe the scope of responsibilities of the various local, state, and federal law enforcement agencies beginning with arrest through parole and re-entry.
5. Identify changes in the criminal justice system to deal with different populations: elderly, juveniles, transgender persons, and people with different abilities.

Career Opportunities in ADMINISTRATION OF JUSTICE

Completing the baccalaureate degree or graduate level work can lead to a variety of opportunities. An administration of justice degree is not limited to law enforcement. Administration of justice degree graduates can work in state law enforcement agencies. Examples of these agencies are crime laboratories, state crime commissions, narcotics bureaus and liquor control boards. Criminal justice degree graduates can also work in federal law enforcement divisions. These include the different Departments of Defense, Homeland Security, FBI, Veterans Affairs, Office of the Inspector General and Food and Drug Administration. They also have the option to work in private sectors such as detective agencies, insurance companies, safety officer units and security patrol.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

ADMINISTRATION OF JUSTICE ASSOCIATE OF SCIENCE

The Administration of Justice major leads to the Associate of Science degree and prepares the student for transfer to a four-year institution. Students completing the baccalaureate program or graduate work may be hired in the major or allied fields as a police officer, corrections officer, investigator, security supervisor, parole officer, teacher or criminologist. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete the Cal-GETC pattern.

Required Courses – Major

Course Number	Course Name	Units
ADJ 104	Legal Aspects of Evidence	3
ADJ 108	Patrol Procedures and Police Report Writing	3
ADJ 200	Introduction to Administration of Justice	3
ADJ 202	Concepts of Criminal Law	3
ADJ 204	Community Relations	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
ADJ 106	Principles of Investigation, Crime Scene, and Laboratory Techniques	3
ADJ 109	Victimology	3
ADJ 150	Public Safety Leadership	3
ADJ 206	Juvenile Justice	3
ADJ 207	Corrections	3

Total Major Units

18

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Demonstrate an understanding of the American Criminal Justice system and the scope of responsibilities of the various local, state, and federal law enforcement agencies beginning with arrest through parole.
2. Articulate the differences between the major criminological theories of the causes of crime and how those theories relate to policies toward crime and criminal behavior.
3. Define and utilize key terms, concepts, and theories in the criminal justice system.
4. Use information of crime scene management and investigation, forensics analysis and information technology to conduct rudimentary criminal investigations.

Career Opportunities in ADMINISTRATION OF JUSTICE

Completing the Associates Degree in Administration of Justice can lead to a variety of opportunities. Enforcement-Police, Sheriff's Deputy, Tribal Police, California Highway Patrol, Department of Justice, US Marshall, Fish and Game and Wildlife, FBI, CIA, ATFE, Military Police, Park Ranger, Dispatcher and more. The Court system has opportunities in: Probation and Parole, Bailiff, Corrections Deputy, Victim Witness Advocacy, Drug and Alcohol Counseling, Corrections Counseling, Legal Counsel and Court Clerking. The Legislative side provides for: Lawyers, Lobbyist, Police Associations, Peace Officer Standards in Training agency, State and Federal law enforcement agency activities.

ADMINISTRATION OF JUSTICE CERTIFICATE OF ACHIEVEMENT

The Administration of Justice Certificate of Achievement provides students with a broad-based education in the areas of law enforcement, corrections and the judicial system. The program is appropriate for students seeking entry-level employment in law enforcement, corrections probation, or parole.

Required Courses

Course Number	Course Name	Units
ADJ 104	Legal Aspects of Evidence	3
ADJ 106	Principles of Investigation, Crime Scene, and Laboratory Techniques	3
ADJ 108	Patrol Procedures and Police Report Writing	3
ADJ 109	Victimology	3
ADJ 150	Public Safety Leadership	3
ADJ 200	Introduction to Administration of Justice	3
ADJ 202	Concepts of Criminal Law	3
ADJ 204	Community Relations	3
ADJ 206	Juvenile Justice	3
ADJ 207	Corrections	3

Total units required for Certificate

30

Program Level Student Learning Outcomes:

1. Understand the three parts of the criminal justice system and how they interrelate.
2. Demonstrate knowledge of the California Penal Code, the California Commission on Peace Officer Standards and Training regulations and appropriate department policies and procedures.
3. Apply basic investigative proficiencies.

Career Opportunities in ADMINISTRATION OF JUSTICE

Completing the Administration of Justice Certificate of Achievement can lead to a variety of opportunities, including but not limited to corrections officer, juvenile corrections officer, police officer, sheriff's deputy, bail agent, private security guard, public defended investigator, employment working for the courts and work in a legal office.

AGRICULTURE

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Degrees

A.S. Agriculture – Horticulture

Certificate of Achievement

Landscape Practices
Nursery Production
Sustainable Small Farms Management
Viticulture Skills

AGRICULTURE – HORTICULTURE ASSOCIATE OF SCIENCE

Horticulture major leads to the Associate of Science degree and prepares the student for transfer to a four-year institution. Students completing the baccalaureate program or graduate work may be hired in the major or allied fields as a landscape designer, florist, nursery management, botanist, landscape architect or teacher. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete the Cal-GETC pattern.

Required Courses – Major

Course Number	Course Name	Units
AGR 100	Plant Pest and Disease Management	3
AGR 140	Introduction to Horticulture	3
AGR 208	Soil Science	4
AGR 240	Plant Identification-Fall	3

Plus 9 additional units selected from the following

Course Number	Course Name	Units
AGR 102	Plant Propagation	3
AGR 142	Landscape Maintenance	3
AGR 144	Nursery Management and Practices	3
AGR 147	Greenhouse Projects	3
AGR 151	Landscape Irrigation	2
AGR 154	Landscape Construction	3
AGR 241	Plant Identification-Spring	3
WEE 196	Work Experience Education	1 - 8

Total Major Units

22

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Demonstrate a working knowledge of a variety of plants and their cultural requirements.
2. Demonstrate a working knowledge of basic plant biology.
3. Demonstrate a basic understanding of a plant's needs relative to water, fertility, light, heat and soil.
4. Demonstrate a working knowledge of plant types and their uses.
5. Demonstrate a working knowledge of basic propagation methods.
6. Demonstrate a basic ability to identify and classify plant types based on their botanical structures.

AGRICULTURE – LANDSCAPE PRACTICES CERTIFICATE OF ACHIEVEMENT

The Landscape Practices certificate program provides students with the knowledge and skills necessary for employment in landscape design, landscape installation, maintenance of landscapes, tree care industry and supply/equipment sales. Students will study basic plant biology and will learn to assess a plant's maintenance needs. Landscape design, irrigation, installation and maintenance will also be studied. Students will have the opportunity to work hands on with plants in the school's various landscapes and will learn to use the tools and techniques of the trade.

Required Courses

Course Number	Course Name	Units
AGR 75	Pruning	1
AGR 100	Plant Pest and Disease Management	3
AGR 140	Introduction to Horticulture	3
AGR 142	Landscape Maintenance	3
AGR 151	Landscape Irrigation	2
AGR 154	Landscape Construction	3
AGR 208	Soil Science	4
AGR 240	Plant Identification-Fall	3
AGR 241	Plant Identification-Spring	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
AGR 53	Landscaping with Native Plants	3
AGR 147	Greenhouse Projects	3
BUS 132	Entrepreneurial Management	3
WEE 196	Work Experience Education	1 – 8

Total units required for Certificate

28

Program Level Student Learning Outcomes:

1. Demonstrate a working knowledge of a variety of plants and their cultural requirements.
2. Demonstrate a working knowledge of basic plant biology.
3. Demonstrate a thorough understanding of how to assess a plant's maintenance needs including pruning, fertility, managing of pests and diseases.
4. Demonstrate a working knowledge of how to plan, install and repair basic irrigation systems.
5. Demonstrate a working knowledge of landscape design planning, including basic rules of placement, shapes, textures, and spacing.
6. Demonstrate a basic knowledge of landscape plan interpretation, construction and the tools used in the installation of a landscape.

AGRICULTURE – NURSERY PRODUCTION CERTIFICATE OF ACHIEVEMENT

This program is intended for those who wish to pursue a career in the retail or production nursery field. Courses range from plant identification to soils and fertility, pest management, plant propagation and plant biology. The certificate program offers a selection of courses that focus on food and ornamental plant production, including business management. Core courses offer a solid science background in order for the student to gain a greater understanding of how ornamental and food crop plants grow. This basic knowledge is then interwoven with practical cultural and production methods.

Required Courses

Course Number	Course Name	Units
AGR 100	Plant Pest and Disease Management	3
AGR 102	Plant Propagation	3
AGR 140	Introduction to Horticulture	3
AGR 144	Nursery Management and Practices	3
AGR 208	Soil Science	4
AGR 240	Plant Identification-Fall	3
AGR 241	Plant Identification-Spring	3

Plus 2 – 3 additional units selected from the following

Course Number	Course Name	Units
AGR 53	Landscaping with Native Plants	3
AGR 147	Greenhouse Projects	3
BUS 132	Entrepreneurial Management	3
WEE 196	Work Experience Education	1 - 8

Total units required for Certificate

24 - 25

Program Level Student Learning Outcomes:

1. Demonstrate a working knowledge of common landscape plants and their cultural requirements in a landscape.
2. Demonstrate a working knowledge of basic plant biology.
3. Demonstrate a working knowledge of plant propagation scheduling, methods.
4. Demonstrate a working knowledge and management of pest and disease problems commonly associated with nursery crops.
5. Demonstrate a basic understanding of the uses of different growing structures and how they function.
6. Demonstrate a basic knowledge of nursery types and their basic needs of site selection, layout, water and marketing.

AGRICULTURE – SUSTAINABLE SMALL FARMS MANAGEMENT CERTIFICATE OF ACHIEVEMENT

The Small Farm Management Certificate Program will provide knowledge and skills for the next generation of farmers in sustainable, local and organic farming, and gardening practices. The core technical courses in this certificate offer a foundation for further training appropriate for farm-related employment opportunities. Students will gain fundamental skills that are applicable across disciplines while also having the opportunity to focus on specific areas of interest within the farm management topic. In addition, the program provides an introduction to basic business and accounting skills, marketing and promotion, and skills that are essential to the successful development of a small sustainable farm.

Required Courses

Course Number	Course Name	Units
AGR 75	Introduction to Pruning	1
AGR 100	Plant Pest and Disease Management	3
AGR 140	Introduction to Horticulture	3
AGR 180	Fall Sustainable Vegetable and Fruit Production	2
AGR 181	Sustainable Spring Vegetable Growing Practices	2
AGR 197	Agriculture Internship	3
or WEE 196	Work Experience Education	3
AGR 208	Soil Science	4
AGR 216	Sustainable Agricultural Systems	2
BUS 132	Entrepreneurial Management	3
SPN 100	Conversational Spanish: Level I	2
or SPN 101	Conversational Spanish: Level II	2
or SPN 102	Conversational Spanish: Level III	2

Plus 6 additional units selected from the following

Course Number	Course Name	Units
AGR 56	Small Farm Machinery Operations and Safety	2
AGR 57	Mushroom Cultivation	1
AGR 61	Mushroom Identification - Fall	1
AGR 62	Mushroom Identification - Spring	1
AGR 197	Agriculture Internship	1 - 3
or WEE 196	Work Experience Education	1 - 3
BUS 150	Entrepreneurial Marketing	3

Total units required for Certificate

31

Program Level Student Learning Outcomes:

1. Describe the basic biological processes of plants.
2. Evaluate a small farm crop's maintenance needs including soil health, fertility, irrigation and pest management.
3. Develop a schedule for specific small farm crops in a rotational production system.

AGRICULTURE – VITICULTURE SKILLS CERTIFICATE OF ACHIEVEMENT

This certificate will give the student basic knowledge of the science involved in the growing of grapes, the practical hands-on applications of working with wine grapes and a basic understanding of the business aspects that are involved in the process of growing wine grapes.

Required Courses

Course Number	Course Name	Units
AGR 56	Small Farm Machinery Operations and Safety	2
AGR 100	Plant Pest and Disease Management	3
AGR 112	Viticulture Practices	2
AGR 197	Agriculture Internship	2
or WEE 196	Work Experience Education	2
AGR 208	Soil Science	4
AGR 211	Introduction to Viticulture	3
AGR 216	Sustainable Agricultural Systems	2
BUS 132	Entrepreneurial Management	3

Total units required for Certificate

21

Program Level Student Learning Outcomes:

1. Describe the basic biological processes of plants.
2. Identify the important vineyard pests and disease problems and be able to suggest correct remedies.
3. Describe correct sustainable cultural practices for vineyards.
4. Safely operate small farm tractor equipment

ART & ART HISTORY

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Degrees

A.A.-T Art History
 A.A.-T Studio Arts
 A.A. Art – Ceramics, Painting, or Printmaking

Certificate of Achievement

Ceramics – Master Technician
 Digital Arts and Media*
 Textiles & Clothing Construction

ASSOCIATE IN ARTS IN ART HISTORY FOR TRANSFER

Courses in the Associate in Arts in Art History for Transfer provide a basic foundation in art history, "hands on experience" in at least one studio art form, and cultural and historical background necessary to understanding the visual arts. The Associate in Arts in Art History for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Art History or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements.

Required Courses – Major

Course Number	Course Name	Units
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
ARTH 206	Introduction to Native American Art	3
ART 210A	Fundamentals of Drawing	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
ART 213	Color and Composition	3
ART 214	Three-Dimensional Art and Design	3
ART 220A	Ceramic Sculpture I	3
ART 228A	Beginning Painting I	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
ARTH 205	Modern Art History	3

Total Major Units **18**

Total Degree Units **60**

Program Level Student Learning Outcomes:

1. Define and use historical art terms.
2. Describe the relative and interrelationship of works of art with culture as a whole.
3. Identify time periods and stylistic characteristics of major art movements and cultures from Prehistory through the Modern age.
4. Apply knowledge gained from producing works of art to the study of historical works.

Career Opportunities in ART

Completing the Associate in Arts in Art History for Transfer can lead to a variety of career opportunities. Students who complete a bachelor's or more advanced degree in Art History may find employment as art historians, educators, museum curators or preparators, art program administrators, gallery managers, and critics.

PROGRAMS

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of “C” (or “P”) for each course in the major, and
- Completion of Cal-GETC.

*For information on the Digital Arts and Media Certificate of Achievement, see program details under Digital Arts and Media.

ASSOCIATE IN ARTS IN STUDIO ARTS FOR TRANSFER

Courses in the Associate in Arts in Studio Arts for Transfer major focus on an understanding of the elements and principles of Art and the development of skills necessary for effective visual communication. The Associate in Arts in Studio Arts for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Studio Arts or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements.

Required Courses – Major

Course Number	Course Name	Units
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
ART 210A	Fundamentals of Drawing	3
ART 213	Color and Composition	3
ART 214	Three-Dimensional Art and Design	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ARTH 205	Modern Art History	3

Plus 9 additional units selected from 3 different curricular areas

DRAWING:

Course Number	Course Name	Units
ART 210B	Intermediate Drawing	3
ART 231A	Beginning Figure Drawing	3

PAINTING:

Course Number	Course Name	Units
ART 228A	Beginning Painting I	3

PRINTMAKING:

Course Number	Course Name	Units
ART 232	Introduction to Printmaking	3

DIGITAL ART:

Course Number	Course Name	Units
DAM 205	Introduction to Digital Art and Design	3

PHOTOGRAPHY:

Course Number	Course Name	Units
ART 282	Introduction to Photography	3

CERAMICS:

Course Number	Course Name	Units
ART 255A	Hand-Built Ceramics I	3

SCULPTURE:

Course Number	Course Name	Units
ART 220A	Ceramic Sculpture I	3

Total Major Units **24**

Total Degree Units **60**

Program Level Student Learning Outcomes:

1. Through the creation of works of art explore and express personal creativity.
2. Through group and individual critiques, verbally articulate elements and principles governing visual arts.
3. By completing portfolio requirements, create objects of art employing a variety of materials and techniques.
4. Through the creation of individual works of art that have personal importance and by viewing and critiquing other students work, describe the relativity of the arts in individual lives and culture as a whole.

Career Opportunities in ART

Completing the Associate in Arts in Studio Arts for Transfer can lead to a variety of career opportunities. Students who complete a bachelor's or more advanced degree in studio arts may find employment as professional artists, arts educators, graphic designers, printmakers, art studio technicians, museum preparators, illustrators, photographers, fashion or interior designers.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

ART ASSOCIATE OF ARTS – Ceramics, Painting, or Printmaking

Through the Associate of Arts degree in Art, students will be introduced to the elements and principles governing the visual arts. They will express personal creativity through the creation of art with specific focus on a particular medium (ceramics, painting, or printmaking/drawing) while employing a variety of materials and techniques.

Required Courses – Major

Course Number	Course Name	Units
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
ART 210A	Fundamentals of Drawing	3
ART 213	Color and Composition	3
ART 214	Three-Dimensional Art and Design	3

Plus 9 additional units selected from the following area of emphasis:

CERAMICS OPTION

Course Number	Course Name	Units
ART 220A	Ceramic Sculpture I	3
ART 220B	Ceramic Sculpture II	3
ART 220C	Ceramic Sculpture III	3
ART 220D	Ceramic Sculpture IV	3
ART 235A	Wheel-Formed Pottery I	3
ART 235B	Wheel-Formed Pottery II	3
ART 235C	Wheel-Formed Pottery III	3
ART 235D	Wheel-Formed Pottery IV	3
ART 255A	Hand-Built Ceramics I	3
ART 255B	Hand-Built Ceramics II	3
ART 255C	Hand-Built Ceramics III	3
ART 255D	Hand-Built Ceramics IV	3
ART 246	Raku and Alternative Firing Processes	3

PAINTING OPTION

Course Number	Course Name	Units
ART 224	Mural Painting	3
ART 228A	Beginning Painting I	3
ART 228B	Beginning Painting II	3
ART 228C	Intermediate Painting I	3
ART 228D	Intermediate Painting II	3
ART 229	Portraiture	3

PRINTMAKING OPTION

Course Number	Course Name	Units
ART 225	Monotype Printmaking & Mixed Media	3
ART 232	Introduction to Printmaking	3
ART 234A	Beginning Etching	3
ART 234B	Intermediate Etching	3
ART 236A	Beginning Screen-printing	3
ART 236B	Intermediate Screen-printing	3
ART 237A	Beginning Relief Printmaking	3

Total Major Units

24

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

PROGRAMS

Program Level Student Learning Outcomes:

1. Create objects of art employing a variety of materials and techniques.
2. Explore and express personal creativity through the creation of works of art.
3. Verbally articulate the elements and principles governing the visual arts.
4. Demonstrate an understanding of the relativity of the arts in individual lives and culture as a whole.

TEXTILES/CLOTHING CONSTRUCTION CERTIFICATE OF ACHIEVEMENT

This two-year program is intended to provide students with the skills and competencies necessary to achieve success in professional clothing construction using all techniques necessary from concept design, construction, to completion and marketing. Possession of a Textile/Clothing Construction Certificate of Achievement, along with job experience can give the individual a competitive edge in applying for advancement in the field.

Required Courses

Course Number	Course Name	Units
ART 276A	Fabric Printing and Dyeing I	3
CLO 80	Beginning Clothing Construction	3
CLO 81	Intermediate Clothing Construction	3
CLO 82	Pattern Drafting	3
CLO 83	Tailoring	3
THE 217A	Costume Construction I	3

Plus 2 – 3 additional units selected from the following

Course Number	Course Name	Units
ART 276B	Fabric Printing and Dyeing II	3
ART 210A	Fundamentals of Drawing	3
THE 217B	Costume Construction II	3

Total units required for Certificate

20 – 21

Program Level Student Learning Outcomes:

1. Apply personal measurements to standard bodice, sleeve, and skirt patterns to achieve proper fit.
2. Create variations in collar, bodice, sleeve, skirt and/or pants patterns.
3. Select appropriate fabric and procedures for a chosen pattern.
4. Show sewing skills in pattern layout, seam finishes, and collar construction.

Career Opportunities in TEXTILES/CLOTHING

Completing the Textiles/Clothing Construction Certificate of Achievement can lead to a variety of career opportunities. Students who complete the certificate may find employment as fabric and apparel makers, tailors, dressmakers, and custom sewers. Students who complete a bachelor's degree could pursue careers in fashion design.

CERAMICS – MASTER TECHNICIAN CERTIFICATE OF ACHIEVEMENT

Studio ceramics is an exciting field of personal expression with many career possibilities ranging from fine artwork and sculpture to production tableware. This comprehensive study course and certification program combines the pragmatic nuts and bolts investigation of studio ceramic technology and personal artistic development, along with important aspects of promoting and presenting finished works in the art, craft and industrial marketplace. In this course of study students will gain an important understanding of the equipment needed to produce ceramics, as well as how to use and repair it. The studio ceramics and sculpture classes use a lab-and-lecture concept that focuses on demonstrations and one-on-one assistance to develop the student's creativity and ability to produce a broad range of ceramic objects. In the capstone class, Art Seminar, students are led through a spectrum of professional practices that will assist them in presenting and promoting their artwork in today's changing marketplace.

Required Courses

Course Number	Course Name	Units
ART 50	Ceramic Kiln Operation and Maintenance	3
ART 51	Introduction to Ceramic Glazes	3
ART 235A	Wheel-Formed Pottery I	3
ART 140	Art Portfolio and Professionalism	1
ART 214	Three-Dimensional Art and Design	3
ART 220A	Ceramic Sculpture I	3
ART 246	Raku and Alternative Firing Processes	3
ART 247	Ceramic Casting and Mold Making	3

Plus 9 additional units selected from the following

Course Number	Course Name	Units
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ARTH 205	Modern Art History	3
ART 210A	Fundamentals of Drawing	3
ART 213	Color and Composition	3
ART 220B	Ceramic Sculpture II	3
ART 220C	Ceramic Sculpture III	3
ART 220D	Ceramic Sculpture IV	3
ART 235B	Wheel-Formed Pottery II	3
ART 235C	Wheel-Formed Pottery III	3
ART 235D	Wheel-Formed Pottery IV	3
ART 255A	Hand-Built Ceramics I	3
ART 255B	Hand-Built Ceramics II	3
ART 255C	Hand-Built Ceramics III	3
ART 255D	Hand-Built Ceramics IV	3

Total units required for Certificate

31

Program Level Student Learning Outcomes:

1. Demonstrate a high level of proficiency in the technical aspects of ceramic materials and studio equipment.
2. Express their thoughts in a cohesive body of ceramic work.
3. Critically analyze their own ceramic work and that of others from technical, artistic, and historical perspectives.
4. Demonstrate proficiency in the common skills of ceramic production including hand-building, wheel-forming, and mold applications.

AUTOMOTIVE TECHNOLOGY

Michael Pratt • 707.468.3086

Degrees

A.S. Automotive Technology

Certificate of Achievement

Automotive Chassis Specialist
Automotive Technician
Automotive Tune-Up and Electronics Specialist
Advanced Automotive Hybrid and Electric Vehicles

Certificate of Completion

Automotive Chassis Specialist
Advanced Automotive Chassis Specialist

AUTOMOTIVE TECHNOLOGY ASSOCIATE OF SCIENCE

A degree in Automotive Technology prepares students with the skills and knowledge necessary to perform diagnosis and repair in the automotive shop environment. This program includes coursework that is essential for entry-level positions and enhances the skills and knowledge base of those who are seeking career progression within the automotive industry or transfer to a university. Completing this degree prepares students to pass ASE certification tests and satisfies the California Bureau of Automotive Repair training requirements for certification as a licensed smog inspector.

Required Courses – Major

Course Number	Course Name	Units
AUT 140	Automotive Engines	4
AUT 142	Brakes/Suspension/Alignment	6
AUT 144	Manual Transmissions/Power Trains	3
AUT 145	Automotive Transmissions/Power Trains	4
AUT 146	Automotive Air Conditioning/Heating Systems	2
AUT 162	Automotive Electrical Systems	5
AUT 166	Automotive Diagnosis and Tune-Up	6
AUT 170	Advanced Engine and Emission Controls	6

Total Major Units

36

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of “C” for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Locate service information from available sources, determine specifications, locate procedures, determine parts and labor charges and accurately complete a repair order.
2. Describe the theory and operation of automotive systems and circuits. Explain technical procedures and legal processes.
3. Demonstrate competency in service and repair by being able to test, adjust, diagnose, repair, calibrate, and validate repairs on a variety of automotive systems.
4. Demonstrate knowledge of safe working habits in an automotive repair facility.

AUTOMOTIVE CHASSIS SPECIALIST CERTIFICATE OF ACHIEVEMENT

This certificate program prepares students with the skills and knowledge necessary to perform diagnosis and repair in the automotive shop environment. This program includes coursework that is essential for entry-level positions and enhances the skills and knowledge base of those who are seeking career progression within the automotive industry. Completing this certificate program prepares students to pass ASE certification tests in the area of brakes, suspension, electrical systems, manual transmissions, and automatic transmissions.

Required Courses

Course Number	Course Name	Units
AUT 142	Brakes/Suspension/Alignment	6
AUT 144	Manual Transmissions/Power Trains	3
AUT 145	Automotive Transmissions/Power Trains	4
AUT 162	Automotive Electrical Systems	5

Plus 3 additional units selected from the following

Course Number	Course Name	Units
BUS 50	Mathematical Applications in Business	3
BUS 132	Entrepreneurial Management	3
BUS 150	Entrepreneurial Marketing	3

Total units required for Certificate **21**

Program Level Student Learning Outcomes:

1. Locate service information from available sources, determine specifications, locate procedures, determine parts and labor charges and accurately complete a repair order.
2. Describe the theory and operation of automotive systems and circuits. Explain technical procedures and legal processes.
3. Demonstrate competency in service and repair by being able to test, adjust, diagnose, repair, calibrate, and validate repairs on a variety of automotive systems.
4. Demonstrate knowledge of safe working habits in an automotive repair facility.

AUTOMOTIVE TECHNICIAN CERTIFICATE OF ACHIEVEMENT

This certificate program prepares students with the skills and knowledge necessary to perform diagnosis and repair in the automotive shop environment. This program includes coursework that is essential for entry-level positions and enhances the skills and knowledge base of those who are seeking career progression within the automotive industry. Completing this certificate program prepares students to pass ASE certification tests in the area of brakes, suspension, electrical systems, engines, and engine performance.

Required Courses

Course Number	Course Name	Units
AUT 140	Automotive Engines	4
AUT 142	Brakes/Suspension/Alignment	6
AUT 162	Automotive Electrical Systems	5
AUT 166	Automotive Diagnosis and Tune-Up	6

Plus 3 additional units selected from the following

Course Number	Course Name	Units
BUS 50	Mathematical Applications in Business	3
BUS 132	Entrepreneurial Management	3
BUS 150	Entrepreneurial Marketing	3

Total units required for Certificate **24**

PROGRAMS

Program Level Student Learning Outcomes:

1. Locate service information from available sources, determine specifications, locate procedures, determine parts and labor charges and accurately complete a repair order.
2. Describe the theory and operation of automotive systems and circuits. Explain technical procedures and legal processes.
3. Demonstrate competency in service and repair by being able to test, adjust, diagnose, repair, calibrate, and validate repairs on a variety of automotive systems.
4. Demonstrate knowledge of safe working habits in an automotive repair facility.

AUTOMOTIVE TUNE-UP and ELECTRONICS SPECIALIST CERTIFICATE OF ACHIEVEMENT

This certificate program prepares students with the skills and knowledge necessary to perform diagnosis and repair in the automotive shop environment. This program includes coursework that is essential for entry-level positions and enhances the skills and knowledge base of those who are seeking career progression within the automotive industry. Completing this certificate program prepares students to pass ASE certification tests in the area of engines, electrical systems, engine performance and advanced engine performance. This program also satisfies the California Bureau of Automotive Repair training requirements for certification as a licensed smog Inspector.

Required Courses

Course Number	Course Name	Units
AUT 140	Automotive Engines	4
AUT 162	Automotive Electrical Systems	5
AUT 166	Automotive Diagnosis and Tune-Up	6
AUT 170	Advanced Engine and Emission Controls	6

Plus 3 additional units selected from the following

Course Number	Course Name	Units
BUS 50	Mathematical Applications in Business	3
BUS 132	Entrepreneurial Management	3
BUS 150	Entrepreneurial Marketing	3

Total units required for Certificate

24

Program Level Student Learning Outcomes:

1. Locate service information from available sources, determine specifications, locate procedures, determine parts and labor charges and accurately complete a repair order.
2. Describe the theory and operation of automotive systems and circuits. Explain technical procedures and legal processes.
3. Demonstrate competency in service and repair by being able to test, adjust, diagnose, repair, calibrate, and validate repairs on a variety of automotive systems.
4. Demonstrate knowledge of safe working habits in an automotive repair facility.

ADVANCED AUTOMOTIVE HYBRID AND ELECTRIC VEHICLE CERTIFICATE OF ACHIEVEMENT

This certificate will include the theory and operation of hybrid and electric vehicle operation. Each of the major manufacturers' vehicles is discussed along with the safety and service procedures that apply to these vehicles. Hands-on activities include major service procedures and basic diagnostics on the most common hybrid and electric vehicles in the market today. with hands-on course provides an overview of both conventional and alternative fuels with their impact on vehicle emissions in gasoline engines. In addition, advanced vehicle technologies such as hybrid electric, direct injection, and fuel cells are explored. Topics include gasoline, E85, M85, CNG, LPG, RNG, RVs, HEVs, Fuel Cells, and dynamometer testing. Completion of this course helps students prepare for the Automotive Service Excellence (ASE) F1 Alternative Fuels Certification in addition to the ASE L3 Hybrid/Electric Vehicle Specialist Certification.

Required Courses

Course Number	Course Name	Units
AUT 162	Automotive Electrical Systems	5
AUT 166	Automotive Engine Performance	6
AUT 180	Introduction to Hybrid and Alternative Fuel Vehicles	4
AUT 181	Hybrid Vehicles and Advanced Electric Vehicle Technology	4

Total units required for Certificate

19

Program Level Student Learning Outcomes:

1. Explain the environmental impacts of fossil fuels, greenhouse gasses, and the need for alternative fuel sources.
2. Explain different manufactures and styles of electric and hybrid systems and explain how they function.
3. Perform high voltage system disable and enable procedures verifying the high voltage shutdown.
4. Demonstrate the appropriate use of high voltage personal protection equipment.
5. Perform a removal of, and the appropriate tests to, the high voltage battery

AUTOMOTIVE CHASSIS SPECIALIST CERTIFICATE OF COMPLETION

This noncredit certificate program prepares students with the skills and knowledge necessary to perform basic diagnosis and repair in the automotive shop environment. This program includes coursework that is essential for entry-level positions and enhances the skills and knowledge base of those who are seeking career progression within the automotive industry. Completing this noncredit certificate program prepares students to pass ASE certification tests in the areas of A4 Automotive brakes, A5 Suspension/Steering, and A6 Automotive Electrical systems.

Required Courses

Course Number	Course Name	Hours
AUT 542	Brakes/Suspension/ Alignment	204
AUT 562	Automotive Electrical Systems	153

Total hours

357

Program Level Student Learning Outcomes Required:

1. Locate service information from available sources, determine specifications, locate procedures, determine parts and labor charges and accurately complete a repair order for chassis.
2. Describe the theory and operation of automotive suspension and brakes. Explain technical procedures and legal processes.
3. Demonstrate competency in service and repair by being able to test, adjust, diagnose, repair, calibrate, and validate repairs on chassis and brake systems.
4. Demonstrate knowledge of safe working habits in an automotive repair facility such as lifts, air tools and brake lathes.

ADVANCED AUTOMOTIVE CHASSIS SPECIALIST CERTIFICATE OF COMPLETION

This certificate program prepares students with the skills and knowledge necessary to perform diagnosis and repair in the automotive shop environment. This program includes coursework that is essential for entry-level positions and enhances the skills and knowledge base of those who are seeking career progression within the automotive industry. Completing this certificate program prepares students to pass ASE certification tests in the area of brakes, suspension, electrical systems, manual transmissions, and automatic transmissions.

Required Courses

Course Number	Course Name	Hours
AUT 544	Manual Transmission/Power Trains	119
AUT 545	Automatic Transmission/Power Trains	136

Total hours

255

Program Level Student Learning Outcomes Required:

1. Locate service information from available sources, determine specifications, locate procedures, determine parts and labor charges and accurately complete a repair order on chassis, transmission, and transaxles.
2. Describe the theory and operation of automotive brakes, chassis, transmissions, and drivetrain.
3. Demonstrate competency in service and repair by being able to test, adjust, diagnose, repair, calibrate, and validate repairs on a variety of chassis, braking systems, drivetrains, and transmissions.
4. Demonstrate knowledge of safe working habits in an automotive repair facility for removing sub frames, transmissions, and differentials.

BASIC SKILLS

Office of Instruction • 707.468.3002

Certificate of Competency

Basic Academic Skills
Basic Computer Skills

BASIC ACADEMIC SKILLS CERTIFICATE OF COMPETENCY

This certificate will help prepare students to pass High School Equivalency standardized tests (GED and HiSET), enroll in classes at Mendocino College, and enter the workforce.

Required Courses

Course Number	Course Name	Hours
BSK 501	Academic Skills/Pre-High School Equivalency	85
BSK 502	High School Equivalency Exam Preparation	85

In order to receive the Basic Academic Skills Certificate, students must complete BSK 501 and BSK 502 with a noncredit grade of P.

Total hours

170

Program Level Student Learning Outcomes Required:

1. Solve multi-step numerical and word math problems from basic operations through beginning concepts in geometry and algebra.
2. Identify and summarize the main ideas and important details in short (1-2 page) reading selections, including fiction, essays, newspaper articles, material from textbooks, and informational websites.
3. Explain the basic concepts in the area of biology, chemistry, physics, space science, US history, geography, basic economic systems, and civics.
4. Demonstrate critical thinking and problem-solving skills.
5. Prepare for and apply appropriate test-taking strategies to standardized tests such as the GED, HiSET, English and Math Placement Tests and occupational skills tests.

BASIC COMPUTER SKILLS CERTIFICATE OF COMPETENCY

This certificate will help prepare students to take credit courses in Computer Science and required for the Business Information Worker I Certificate of Completion. Students will gain keyboarding skills and a solid understanding of basic computer technology, file management, operation systems, effective Internet use and emailing.

Required Courses

Course Number	Course Name	Hours
CSC 520	Beginning Computer Skills I	51
CSC 526	Beginning Computer Skills II	51

Total hours

102

Program Level Student Learning Outcomes Required:

1. Define computer terminology and explain computer concepts.
2. Touch type on a computer keyboard with a goal of 35 WPM with less than 5 errors.
3. Demonstrate efficient digital file management, both local and cloud-based.
4. Search and navigate the Internet using advanced search techniques and evaluate information found on the Internet for reliability and accuracy.
5. Send, receive, and organize email communications.
6. Describe the techniques to increase security and safety when using the computers and the Internet.

BIOLOGICAL SCIENCE

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Degrees

A.S.-T Biology

A.S. Biological Science

ASSOCIATE IN SCIENCE IN BIOLOGY FOR TRANSFER

Biology is the scientific exploration of life. It allows students to study organisms from the molecular level to the communities in which they live. The program provides a foundation for further study in the life sciences and related fields of study, which includes, but is not limited to, medicine, dentistry, epidemiology, toxicology, genetics, microbiology, bioinformatics, botany, zoology, and ecology. If you are curious about how life works and have a passion for helping and protecting all living things, consider a career in biology. The Associate in Science in Biology for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Biology or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements.

Required Courses – Major

Course Number	Course Name	Units
BIO 250	Cell and Molecular Biology	4
BIO 255	Botany, Plant Diversity, and Ecology	4
BIO 257	Zoology, Animal Diversity and Evolution	4
CHM 250	General Chemistry I	5
CHM 251	General Chemistry II	5
MTH 210	Calculus and Analytic Geometry I	5
or MTH 230	Calculus for Business and Economics	4

And Either

Course Number	Course Name	Units
PHY 210	General Physics I	4
& PHY 211	General Physics II	4

Or

Course Number	Course Name	Units
PHY 220	Physics for Scientists and Engineers I	4
& PHY 221	Physics for Scientists and Engineers II	4

Total Major Units

34 – 35

Total Degree Units

60

Program Level Student Learning Outcomes:

1. Use standard laboratory equipment, modern instrumentation, classical techniques, and appropriate safety protocols to carry out experiments.
2. Analyze major biological concepts and discriminate how these concepts are connected within various areas of the biological and physical sciences.
3. Apply scientific methodology in the form of designing and conducting experiments and evaluating hypotheses.

Career Opportunities in BIOLOGY

Students who complete a baccalaureate degree in Biology or a similar major may be hired in the major or allied fields of medicine, dentistry, epidemiology, toxicology, genetics, microbiology, bioinformatics, botany, zoology, and ecology.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

BIOLOGICAL SCIENCE ASSOCIATE OF SCIENCE

Biological Science major leads to the Associate of Science degree and prepares the student for transfer to a four-year institution. Students completing the baccalaureate program or graduate work may be hired in the major or allied fields as a biomedical engineer, geneticist, pharmacologist, botanist, aquatic biologist, clinical lab technologist, food/drug inspector, fish and game warden or environmental specialist. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete the Cal-GETC pattern.

Required Courses – Major

Course Number	Course Name	Units
BIO 250	Cell and Molecular Biology	4
BIO 255	Botany, Plant Diversity, and Ecology	4
BIO 257	Zoology, Animal Diversity, and Evolution	4
CHM 250	General Chemistry I	5
CHM 251	General Chemistry II	5

Plus 8 additional units selected from either physics options listed below

Course Number	Course Name	Units
PHY 210	General Physics I	4
PHY 211	General Physics II	4
or PHY 220	Physics for Scientists and Engineers I	4
PHY 221	Physics for Scientists and Engineers II	4
or PHY 220	Physics for Scientists and Engineers I	4
PHY 222	Physics for Scientists and Engineers III	4

Plus 9 – 10 additional units selected from the following

Course Number	Course Name	Units
MTH 200	Precalculus Mathematics	5
MTH 210	Calculus and Analytic Geometry I	5
MTH 211	Calculus and Analytic Geometry II	5
STAT C1000	Introduction to Statistics	4

To fully benefit from the Biology program, students should also successfully complete one of the suggested optional electives listed below.

These courses are not required for the major

Course Number	Course Name	Units
BIO 220	Marine Biology Lecture	3
BIO 220L	Marine Biology Laboratory	1
BIO 243	Biology of Marine Mammals	3
BIO 245	Introduction to Environmental Toxicology	3

Total Major Units

39 – 40

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Analyze major biological concepts and discriminate how these concepts are connected within various areas of the biological and physical sciences.
2. Apply scientific methodology in the form of designing and conducting experiments and evaluating hypotheses.
3. Use standard laboratory equipment, modern instrumentation, classical techniques, and appropriate safety protocols to carry out experiments.

BUSINESS

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Degrees

A.S.-T Business Administration 2.0

A.S. Accounting

A.S. Business Management

Certificate of Achievement

Accounting

Business Entrepreneurship

Business Information Worker I

Business Information Worker II

Business Management

Retail Management

ASSOCIATE IN SCIENCE IN BUSINESS ADMINISTRATION FOR TRANSFER 2.0

Business Administration prepares students for the complex decision-making of the business environment. This program includes coursework that is essential for entry-level positions and enhances the skills and knowledge base of those who are seeking career progression and/or transfer to a university. The Associate in Science in Business Administration for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Business Administration or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements.

Required Courses – Major

Course Number	Course Name	Units
BUS 200	Financial Accounting	4
BUS 201	Managerial Accounting	4
BUS 212	The Legal Environment of Business	3
BUS 230	Introduction to Business	3
ECON C2001	Principles of Microeconomics	3
ECON C2002	Principles of Macroeconomics	3
MTH 230	Calculus for Business and Economics	4
or MTH 210	Calculus and Analytic Geometry I	5
STAT C1000	Introduction to Statistics	4

Total Major Units

28 – 29

Total Degree Units

60

Program Level Student Learning Outcomes:

1. Transfer successfully to university as a Business Administration major.
2. Demonstrate a broad exposure to general education topics that complement the Business Administration major.
3. Demonstrate a clear understanding of the complex nature of business management in a diverse global economy and financial system.
4. Communicate verbally, and in writing, the knowledge of business management principles and vocabulary in the various business organizations.
5. Demonstrate critical thinking, decision making, and communication skills in the business environment.

Career Opportunities in BUSINESS ADMINISTRATION

Completing the baccalaureate degree or graduate level work can lead to a variety of opportunities in business administration. Students completing a business baccalaureate program may be hired in the fields of accounting, finance, marketing, and management. Students may be hired for entry level positions in public and private accounting firms, capital investment firms, retail and commercial banks, sales and marketing departments, real estate companies, human resource departments, and other business administrative capacities.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

BUSINESS – ACCOUNTING ASSOCIATE OF SCIENCE

Accounting prepares students for positions of responsibility or advancement in the field of business. This major offers education for students desiring to enter the field of accounting, finance, and taxation. This includes preparation for accounting careers including bookkeeper, payroll clerk, accountant, or budget clerk.

Required Courses – Major

Course Number	Course Name	Units
BUS 50	Mathematical Applications in Business	3
BUS 111	Federal Tax Accounting	3
BUS 200	Financial Accounting	4
BUS 201	Managerial Accounting	4
BUS 230	Introduction to Business	3
CSC 104	Computers and Computer Applications	3

Total Major Units

20

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of “C” for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Demonstrate a broad exposure of general education topics that complement the Business Accounting major requirements.
2. Communicate clear understanding of the complex nature of business in a diverse economy and financial system.
3. Demonstrate critical thinking and decision-making skills in the business environment.

BUSINESS MANAGEMENT ASSOCIATE OF SCIENCE

Business Management prepares students for positions of responsibility or advancement in organizations including retail, manufacturing, and service businesses, and non-profit and governmental agencies. This major offers students the opportunity to acquire or upgrade skills in the areas of personnel management, marketing, sales, finance, accounting, information management, and entrepreneurship. These skills will assist students in the pursuit of managerial careers and successful performance in these positions.

Required Courses – Major

Course Number	Course Name	Units
BUS 50	Mathematical Applications in Business	3
BUS 136	Introduction to Management	3
BUS 200	Financial Accounting	4
BUS 230	Introduction to Business	3
CSC 104	Computers and Computer Applications	3

Plus 6 additional units selected from the following

Course Number	Course Name	Units
BUS 107	Customer Service	3
BUS 132	Entrepreneurial Management	3
BUS 134	Human Relations in Business	3
BUS 135	Human Resource Management	3
BUS 150	Entrepreneurial Marketing	3
BUS 151	Introduction to Marketing	3
BUS 170	Business Communication Skills for Managers	3
BUS 201	Managerial Accounting	4
BUS 212	The Legal Environment of Business	3
CSC 164	Electronic Spreadsheets	3
WEE 196	Work Experience Education	1 – 8

Total Major Units

22

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of “C” for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Demonstrate a broad exposure of general education topics that complement the Business Management major requirements.
2. Communicate clear understanding of the complex nature of business in a diverse economy and financial system.
3. Demonstrate critical thinking and decision-making skills in the business environment.

BUSINESS – ACCOUNTING CERTIFICATE OF ACHIEVEMENT

This certificate program prepares students for accounting careers in account management of payroll, receivables, payables, as well as financial statement generation and tax preparation.

Required Courses

Course Number	Course Name	Units
BUS 110	Payroll Taxation	3
BUS 111	Federal Tax Accounting	3
BUS 200	Financial Accounting	4
BUS 201	Managerial Accounting	4
CSC 104	Computers and Computer Applications	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
BUS 50	Mathematical Applications in Business	3
BUS 134	Human Relations in Business	3
BUS 170	Business Communication Skills for Managers	3
BUS 230	Introduction to Business	3
COMM 210	Interpersonal Communication	3

Total units required for Certificate **20**

Program Level Student Learning Outcomes:

1. Demonstrate skills and knowledge appropriate for an entry level position in this field of accounting.
2. Communicate clear understanding of the complex nature of business in a diverse economy and financial system.
3. Demonstrate critical thinking and decision-making skills in the business environment.

BUSINESS ENTREPRENEURSHIP CERTIFICATE OF ACHIEVEMENT

This certificate offers a focused course of study for students who are interested in launching and growing a new business. Students develop skills and strategies for effectively planning, starting, and managing the growth of a new enterprise.

Required Courses

Course Number	Course Name	Units
BUS 132	Entrepreneurial Management	3
BUS 150	Entrepreneurial Marketing	3

Plus 9 – 10 additional units selected from the following

Course Number	Course Name	Units
BUS 50	Mathematical Applications in Business	3
BUS 106	Retail Management	3
BUS 135	Human Resource Management	3
BUS 200	Financial Accounting	4
BUS 230	Introduction to Business	3

Total units required for Certificate

15 – 16

Program Level Student Learning Outcomes:

1. Students completing this certificate will be able to generate, develop, and assess the strengths and weaknesses of business ideas.
2. Students completing this certificate will be able to explain the entrepreneurial process and define common vocabulary related to entrepreneurship.
3. Students completing this certificate will be able to produce basic business and marketing plans and explain their function in the process of starting and managing a business.

BUSINESS INFORMATION WORKER I CERTIFICATE OF ACHIEVEMENT

The Business Information Worker I Certificate of Achievement prepares students for entry-level office, computer, and administrative positions for a wide variety of industries including but not limited to Government, Education, Retail, Food Service, and Not for Profit Industries.

Required Courses

Course Number	Course Name	Units
BUS 107	Customer Service	3
BUS 134	Human Relations in Business	3
BUS 170	Business Communication Skills for Managers	3
CSC 104	Computers and Computer Applications	3
CSC 116	Information and Communication Technology Essentials	4

Plus 3 – 4 additional units selected from the following

Course Number	Course Name	Units
CSC 164	Electronic Spreadsheets	3
CSC 220	Introduction to Computer Science	4

Total units required for Certificate

19 – 20

Program Level Student Learning Outcomes:

1. Design, compose, edit and maintain office-related documents and data.
2. Understand the basic functionality of computer systems and networks, at a high level.
3. Communicate effectively using various relevant technologies and methods in the business environment.
4. Analyze communication and information technology to increase sales, target marketing, and improve customer experience.

BUSINESS INFORMATION WORKER II CERTIFICATE OF ACHIEVEMENT

The Business Information Worker II (BIW-II) Certificate of Achievement builds upon the Business Information Worker Certificate of Achievement providing students with advanced skills for the workplace. Additional skills that students can apply to the workplace include Accounting, database, and records management. This certificate provides students with skills for the next step in office, computer, and administrative positions for a wide variety of industries including but not limited to Government, Education, Retail, Food Service, and Not-For-Profit Industries.

Required Courses

Course Number	Course Name	Units
BUS 107	Customer Service	3
BUS 108	Computerized Accounting	3
BUS 134	Human Relations in Business	3
BUS 170	Business Communication Skills for Managers	3
CSC 104	Computers and Computer Applications	3
CSC 116	Information and Communication Technology Essentials	4
CSC 164	Electronic Spreadsheets	3
CSC 166	Database	3

Plus 2 – 4 additional units selected from the following

Course Number	Course Name	Units
CSC 220	Introduction to Computer Science	4
WEE 196	Work Experience Education	2 - 4

Total units required for Certificate

27 – 29

Program Level Student Learning Outcomes:

1. Utilize and maintain electronic records in a small office environment.
2. Install, use, and maintain computerized accounting software for a business.
3. Analyze communication and information technology to increase sales, target marketing, and improve customer experience.
4. Communicate effectively using various relevant technologies and methods in the business environment.
5. Design, compose, edit, and maintain office-related documents and data.
6. Understand the basic functionality of computer systems and networks, at a high level.

BUSINESS MANAGEMENT CERTIFICATE OF ACHIEVEMENT

Business Management prepares students for positions of responsibility in organizations including retail, manufacturing, service businesses, non-profits, and governmental agencies. The Business Management major offers students the opportunity to acquire or upgrade skills in the areas of management, marketing, finance, accounting, information technology management, and entrepreneurship. These skills will assist students in the pursuit and managerial careers and successful performance in these positions.

Required Courses

Course Number	Course Name	Units
BUS 50	Mathematical Applications in Business	3
BUS 136	Introduction to Management	3
BUS 200	Financial Accounting	4
BUS 230	Introduction to Business	3
CSC 104	Computers and Computer Applications	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
BUS 107	Customer Service	3
BUS 132	Entrepreneurial Management	3
BUS 134	Human Relations in Business	3
BUS 150	Entrepreneurial Marketing	3
BUS 151	Introduction to Marketing	3
BUS 170	Business Communication Skills for Managers	3
BUS 201	Managerial Accounting	4
BUS 212	The Legal Environment of Business	3
WEE 196	Work Experience Education	1 - 4

Total units required for Certificate

19

Program Level Student Learning Outcomes:

1. Attain skills and knowledge appropriate for an entry level position in business management.
2. Demonstrate clear understanding of the complex nature of business management in a diverse global economy and financial system.
3. Integrate knowledge of business management principles and vocabulary in various business organizations.
4. Demonstrate critical thinking and decision-making, and communication skills in the business environment.

BUSINESS – RETAIL MANAGEMENT CERTIFICATE OF ACHIEVEMENT

The Business-Retail Management Certificate Program is a comprehensive program designed to prepare current and future retail employees and managers for the challenges in a competitive retail environment. This program is specifically designed for current and future retail professionals seeking both business education and career advancement. The curriculum covered in this program is aligned with recommendations made by the Western Association of Food Chains (WAFC). Students completing this 8-course Retail Management Certificate Program will be eligible for WAFC Retail Industry Management certification.

Required Courses

Course Number	Course Name	Units
BUS 106	Retail Management	3
BUS 134	Human Relations in Business	3
BUS 135	Human Resource Management	3
BUS 136	Introduction to Management	3
BUS 151	Introduction to Marketing	3
BUS 170	Business Communication Skills for Managers	3
BUS 200	Financial Accounting	4
CSC 104	Computers and Computer Applications	3

Total units required for Certificate

25

Programs Level Student Learning Outcomes:

1. Students will describe the flow of retail goods and services in terms of inventory control, supply chain, and risk management.
2. Students will explain key concepts in Retail Management.
3. Students will compare and contrast traditional retailers and category specialists.
4. Students will evaluate the effectiveness of merchandising decisions in the retail industry.
5. Students will interpret and analyze retail operations and financial information for decision-making.

CHEMISTRY

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Degrees

A.S. Chemistry UCTP

ASSOCIATE IN SCIENCE IN CHEMISTRY FOR UC TRANSFER

Chemistry is the study of matter, its composition, structure, properties, and changes. Central to natural and physical science majors, chemistry serves as a foundation subject for many disciplines while providing a pathway into chemical sciences and chemical industry. As a technical field of study that requires strong laboratory skills and experience, job opportunities span a broad range of sectors from education to research to industry to medicine. Upon successful completion of this degree, a student will qualify to be accepted to a University of California Chemistry program. Admission to the UC System will be guaranteed pending GPA requirements and application submission. Students completing this degree are exempt from Mendocino College Institutional Requirements. Students pursuing this degree must follow the UCTP-TMC for STEM GE pattern. Please check with a counselor for more specific transfer information.

Required Courses

Course Number	Course Name	Units
CHM 250	General Chemistry I	5
CHM 251	General Chemistry II	5
CHM 255	Organic Chemistry I	5
CHM 256	Organic Chemistry II	5
MTH 210	Calculus and Analytic Geometry I	5
MTH 211	Calculus and Analytic Geometry II	5
MTH 212	Calculus and Analytic Geometry III	5
MTH 215	Differential Equations	3
PHY 220	Physics for Scientists and Engineers I	4
PHY 221	Physics for Scientists and Engineers II	4
PHY 222	Physics for Scientist and Engineers III	4

Total Major Units	50
Total Degree Units	66 – 70

Program Level Student Learning Outcomes:

1. Demonstrate mastery of a broad set of chemical knowledge concerning the fundamentals in the basic areas of the discipline (general, analytical, organic).
2. Know and follow the proper procedures and regulations for safe handling and use of chemicals.
3. Use standard laboratory equipment, modern instrumentation, and classical techniques to carry out experiments.
4. Demonstrate critical thinking when interpreting experimental results and evaluating the validity of a proposed solution.

Career Opportunities in CHEMISTRY

Completing the Associate in Science in Chemistry for UC Transfer can lead to a variety of opportunities. According to the American Chemical Society there is a wide range of career opportunities for chemical professionals that are categorized under five main sectors: Academia, Government, Entrepreneur, Industry, and Non-Profit and these sectors include areas of opportunities such as Research and Development, Quality Control/Regulatory, Manufacturing, Sales and Marketing, Law and Policy, Higher Education, and Public Health. Some examples of job opportunities may include but are not limited to the following: Chemical Information Management Specialist, Lab Researcher, High School Chemistry Teacher, Chemistry Professor; Environmental Protection, Chemical Health and Safety, Hazardous Waste Management, Forensic Chemist; Cheminformatics, Chemical Engineering, Formulation Chemist, and Technical Sales and Marketing.

CHILD DEVELOPMENT

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Degrees

A.S.-T Early Childhood Education
A.S. Child Development/Family Relations

Certificate of Achievement

Child Development

ASSOCIATE IN SCIENCE IN EARLY CHILDHOOD EDUCATION FOR TRANSFER

The Associate in Science in Early Childhood Education for Transfer prepares students to transfer and study child development and early childhood education. Students will complete lower-division coursework in principles and practices of early childhood education; curriculum; observation and assessment; child growth and development; and health and safety. The Associate in Science in Early Childhood Education for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Early Childhood Education or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements.

Required Courses – Major

Course Number	Course Name	Units
CDV 100	Principles and Practices of Teaching Young Children	3
CDV 101	Introduction to Curriculum in Early Childhood Education	3
CDV 107	Practicum in Child Development	4
CDV 108	Observation and Assessment	3
CDV 109	Child Health, Nutrition, and Safety	3
CDV 200	Child Growth and Development: Conception through Adolescence	3
CDV 202	Culture and Diversity in Early Childhood Education	3
CDV 280	The Child, the Family, and the Community	3

Total Major Units	25
Total Degree Units	60

Program Level Student Learning Outcomes:

1. Identify, describe, and facilitate developmentally appropriate active learning experiences for individual areas: language and early literacy, arts and creative process, music and movement, math, and science.
2. Demonstrate effective advocacy skills appropriate for young children, the programs, and the professionals who serve them.
3. Demonstrate skills in observing and recording behavior, assessing children's interest, and assessing skill development.
4. Identify, define, and apply nutritional, healthy, and safe practices in the classroom.
5. Describe stages and developmental milestones of physical, cognitive, language, social and emotional development in children from birth to age 8.

Career Opportunities in EARLY CHILDHOOD EDUCATION

Completing the baccalaureate degree or graduate level work can lead to a variety of opportunities including preschool education (private and public), social work, primary education intervention, and as para-professionals. Students would also be eligible to teach at the preschool level with the Associate in Science in Early Childhood Education for Transfer degree.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

CHILD DEVELOPMENT/FAMILY RELATIONS ASSOCIATE OF SCIENCE

The Child Development Program prepares students for an Associate of Science Degree in Child Development/Family Relations. Students develop knowledge and skills needed for success in transferring to a four-year college or university. The program prepares students to work with young children in a variety of settings including child care centers for infants and toddlers, preschool children and school-aged children. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete the Cal-GETC pattern.

Required Courses – Major

Course Number	Course Name	Units
CDV 100	Principles and Practices of Teaching Young Children	3
CDV 101	Introduction to Curriculum in Early Childhood Education	3
CDV 200	Child Growth and Development: Conception through Adolescence	3
CDV 280	The Child, the Family, and the Community	3

Plus 6 additional units selected from the following

(All of the courses in this category are recommended for students transferring to a CSU major in Child Development)

Course Number	Course Name	Units
CDV 106	Children with Exceptional Needs	3
CDV 107	Practicum in Child Development	4
CDV 108	Observation and Assessment	3
CDV 109	Child Health, Nutrition, and Safety	3
CDV 202	Culture and Diversity in Early Childhood Education	3

Plus 3 additional units selected from the following, or any course not used above

Course Number	Course Name	Units
CDV 120	Infant and Toddlers Development and Care	3
CDV 121	Infant and Toddler Curriculum	3
CDV 125	Creative Activities	3
CDV 130	Administration of Preschools/Child Care Centers	3
CDV 134	Advanced Administration of Preschools/Child Care Centers	3
CDV 135	Supervision of Adults in a Child Development Program	3
CDV 140	School-Aged Children and Youth	3

Total Major Units

21

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Apply knowledge of children's physical, cognitive, social, and emotional development, while planning for children's individual needs and potentials.
2. Provide developmentally appropriate active learning experiences and environments for individual children and children in groups, in the areas of language and early literacy, arts and the creative process, music and movement, literature, social studies, dramatic play, math, science and the physical world.
3. Demonstrate skills in observing and recording behavior, assessing children's interests, and assessing children's needs and levels of skill development.
4. Apply techniques for setting and maintaining limits, supporting children's self-esteem, self-discipline, intellectual curiosity, creativity, problem solving abilities, and acceptance of self and others in their interactions with children.
5. Implement nutritional, healthy, and safe practices in the classroom.

6. Apply the principles of inclusion in the curriculum through interactions with children, their families, and staff members.
7. Communicate effectively and respectfully with families and incorporate family input in curriculum planning and assessment.
8. Serve as an advocate for young children and the programs and professionals who serve them and apply ethical standards of the profession.

Career Opportunities in CHILD DEVELOPMENT

Students who successfully complete this program may serve as early childhood educators in classrooms or as employees in other settings that require knowledge of child development and best practices in early care and education.

CHILD DEVELOPMENT CERTIFICATE OF ACHIEVEMENT

The Child Development Certificate of Achievement is designed for the student who desires knowledge about Early Childhood Development and skills for teaching young children.

Required Courses*

Course Number	Course Name	Units
CDV 100	Principles and Practices of Teaching Young Children	3
CDV 101	Introduction to Curriculum in Early Childhood Education	3
CDV 200	Child Growth and Development: Conception through Adolescence	3
CDV 280	The Child, the Family, and the Community	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
CDV 106	Children with Exceptional Needs	3
CDV 109	Child Health, Nutrition, and Safety	3
CDV 202	Culture and Diversity in Early Childhood Education	3

Plus 9 additional units selected from the following, or any course not used above

Course Number	Course Name	Units
CDV 120	Infant and Toddlers Development and Care	3
CDV 121	Infant and Toddler Curriculum	3
CDV 125	Creative Activities	3
CDV 130	Administration of Preschools/Child Care Centers	3
CDV 134	Advanced Administration of Preschools/Child Care Centers	3
CDV 135	Supervision of Adults in a Child Development Program	3
CDV 140	School-Aged Children and Youth	3
CDV 161	Active Learning and Play	1

Plus 3 – 4 additional units selected from the following

Course Number	Course Name	Units
CDV 107	Practicum in Child Development	4
CDV 108	Observation and Assessment	3

*These courses are required for Title 22 Department of Social Services licensing and are the minimum required to teach in non-state subsidized, private programs. In addition, 15 hours of training in pediatric first aid, CPR and children's health is required by licensing agencies. This training is also available through local community agencies.

Total units required for Certificate

27 – 28

Program Level Student Learning Outcomes:

1. Describe, plan, and facilitate developmentally appropriate activities in all curricular areas for young children.
2. Describe stages and developmental milestones of physical, cognitive, language, social and emotional development of typically developing children from birth to age 8.
3. Describe the importance of culturally responsive, anti-bias, and exceptional education and adult attitudes in relation to the local and global community.
4. Describe practices and interactions for maximizing children's physical and mental well-being.
5. Express ideas with clarity, logic, and originality in both spoken and written English.

Career Opportunities in CHILD DEVELOPMENT

Students who receive a Child Development Certificate of Achievement along with CPR certification are eligible for employment to provide care and instruction of children in a childcare and development program. Completing the certificate of achievement satisfies the unit requirement for a Child Development Permit issued by the Commission on Teaching Credentialing.

COMMUNICATION STUDIES

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Degrees

A.A.-T Communication Studies 2.0

ASSOCIATE IN ARTS IN COMMUNICATION STUDIES FOR TRANSFER 2.0

Communication Studies is a broad-based discipline that covers the exchange of messages from interpersonal to mass communication and their impact on the individual and society. Courses in this major focus on understanding the communication process and developing the skills to communicate effectively. The Associate in Arts in Communication Studies for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Communication Studies or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements.

Required Courses – Major

Course Number	Course Name	Units
COMM C1000	Introduction to Public Speaking	3
COMM 200	Mass Media and Society	3
COMM 202	Argumentation and Debate	3
COMM 210	Interpersonal Communication	3
COMM 211	Intercultural Communication	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
ANT 201	Cultural Anthropology	3
PSYC C1000	Introduction to Psychology	3
SOC 200	Introduction to Sociology	3

Total Major Units **18**

Total Degree Units **60**

Program Level Student Learning Outcomes:

1. Critically analyze information and arguments, both to evaluate messages and to create effective oral or written communication.
2. Select and research an appropriate topic, develop a thesis, and logically organize the supporting material into a well-crafted presentation.
3. Employ appropriate verbal and nonverbal delivery skills and visual aids in presenting a message to an audience in a confident manner.

Career Opportunities in COMMUNICATION STUDIES

Completing the baccalaureate degree or graduate level work can lead to a variety of opportunities. Students completing a degree in Communication Studies are prepared for an entry level position in mass media (radio, music, TV, film, advertising, gaming, publishing, journalism), community relations, communications consulting, public relations, lobbying, speech writing, public affairs, or similar professions.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

COMPUTER SCIENCE

David Pai • 707.468.3126

Degrees

A.S.-T Computer Science
 A.S. Computer Applications and Office Administration
 A.S. Cybersecurity
 A.S. Information Technology

Certificate of Achievement

Computer Applications and Office Administration
 Digital Arts and Media*
 Digital Forensics
 IT Specialist
 Network Defense
 Penetration Test Professional
 Web Development

Certificate of Completion

Presentations
 Spreadsheets
 Word Processing

ASSOCIATE IN SCIENCE IN COMPUTER SCIENCE FOR TRANSFER

Graduates of the two-year degree program in Computer Science will have the skills in computer programming required for transfer to a four-year college. The Associate in Science in Computer Science for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Computer Science or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements.

Required Courses – Major

Course Number	Course Name	Units
CSC 210	Computer Organization and Architecture	3
CSC 221	Programming and Algorithms I	4
CSC 222	Programming and Algorithms II	4
CSC 240	Discrete Structures	3
MTH 210	Calculus and Analytic Geometry I	5
MTH 211	Calculus and Analytic Geometry II	5
PHY 220	Physics for Scientists and Engineers I	4
PHY 221	Physics for Scientists and Engineers II	4

Total Major Units **32**

Total Degree Units **60**

Program Level Student Learning Outcomes:

1. Design, implement, test and debug small-scale programs that use fundamentals programming constructs with objects.
2. Meet the requirements to transfer to a four-year Computer Science program.

Career Opportunities in COMPUTER SCIENCE

Graduates with a bachelor's degree in Computer Science qualify for a wide variety of jobs. Some of the typical job titles include but are not limited to, Software Developer, Programmer Analyst, Systems Engineer, Information Technology Consultant, Web Developer, Business Analyst, Software Architect, Animator, Computer Programmer, Database Analyst, Software Engineer, Special Effects Specialist, Systems Analyst, Technical Sales Representative, Technical Support Representative, Technical Writer, and Webmaster. Additionally, the job market for Computer Science graduates spans almost all industries from Banks to Airlines to Defense Companies to Government Entities to Online service providers and more, including both the public and private sectors.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

*For more information on the Digital Arts and Media Certificate of Achievement, see program details under Digital Arts and Media.

COMPUTER APPLICATIONS AND OFFICE ADMINISTRATION

ASSOCIATE OF SCIENCE

The Associate of Science in Computer Applications and Office Administration prepares students for positions that combine technical knowledge with business aptitude. Career areas include the design, implementation and maintenance/management of IT systems, office support, computer support, records management and administrative support positions in a wide variety of fields. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete with the Cal-GETC pattern.

Required Courses – Major

Course Number	Course Name	Units
BUS 107	Customer Service	3
BUS 108	Computerized Accounting	3
BUS 134	Human Relations in Business	3
BUS 170	Business Communication Skills for Managers	3
CSC 104	Computers and Computer Applications	3
CSC 105	Introduction to Linux I	1.5
CSC 116	Information and Communication Technology Essentials	4
CSC 130	Web Design and Development	3
CSC 141	AI Literacy	3
CSC 164	Electronic Spreadsheets	3
CSC 166	Database	3
CSC 220	Introduction to Computer Science	4

Total Major Units

36.5

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of “C” for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Design, compose, edit and maintain office-related documents and data.
2. Understand the basic functionality of computer systems and networks, at a high level.
3. Use a variety of applications and tools to gather, process, analyze, and archive data.
4. Communicate effectively using various relevant technologies and methods in the business environment.
5. Analyze communication and information technology to increase sales, target marketing, and improve customer experience.
6. Demonstrate basic management principles for effectively managing records in a small office scenario.

Career Opportunities in COMPUTER APPLICATION AND OFFICE ADMINISTRATION

The program is designed to prepare students for positions that combine technical knowledge with business aptitude, making graduates versatile for roles across different industries that require both computer skills and business understanding. Typical career opportunities include design, implementation, and maintenance/management of IT systems, office support, computer support, records management, and administrative support positions in a wide variety of fields.

CYBERSECURITY ASSOCIATE OF SCIENCE

This degree provides graduates with foundational cybersecurity skills across a wide range of modern cybersecurity pillars including digital forensics, network security and defense, and penetration testing. In this program students receive extensive hands-on experience and develop the knowledge and abilities necessary to succeed in protection of an organization's data and operations. It is a rigorous program designed to help students master the fundamentals of cybersecurity by applying industry-accepted and emerging practices to solve real-world security problems. Upon completion of the program, students will be able to evaluate security trends, recognize best practices, and understand Information Technology security products and threats. This program also provides preparation for several nationally recognized, high demand certifications in the field of Cybersecurity.

Required Courses – Major

Course Number	Course Name	Units
CSC 116	Information and Communication Technology Essentials	4
CSC 117	Computer Network Fundamentals	3
CSC 118	Introduction to Information Systems Security	3
CSC 141	AI Literacy	3
CSC 150	Python Programming for Cybersecurity	3
CSC 152	Network OS and Administration	3
CSC 154	Network Security	3
CSC 156	Digital Forensics Fundamentals	3
CSC 158	Introduction to Cybersecurity: Ethical Hacking	3
CSC 159	Fundamentals of Penetration Testing	4
CSC 161	Cloud Infrastructure and Security	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
BUS 107	Customer Service	3
BUS 134	Human Relations in Business	3
BUS 170	Business Communication Skills for Managers	3

Total Major Units

38

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Define best practices for computer forensics investigations.
2. Define the requirements for proper evidence collection, chain of custody and investigation reporting.
3. Apply strategies for network defense using firewalls, routers, switches, and anti-malware tools.
4. Design organizational plans for securing data while maintaining the confidentiality, integrity, and availability (CIA) of the information transmitted over communication networks.
5. Define best practices for penetration testing.
6. Implement penetration testing across a wide range of scenarios including internal/external/perimeter network penetration testing, web application penetration testing, and cloud penetration testing.

Career Opportunities in CYBERSECURITY

This program prepares students for careers in the Cybersecurity field. Some common job titles and careers for this certificate include forensic analysts, cybercrime investigators, cyber defense forensic analysts, incident responders, information technology auditors, malware analysts, security consultants, IT Security analyst, security operations center (SOC) analyst, vulnerability analyst, cybersecurity specialist, threat intelligence analyst, security engineer, cybersecurity analyst, ethical hackers, penetration testers, network server administrators, firewall administrators, security testers, system administrators and risk assessment professionals, information security analyst, and network security penetration testers.

INFORMATION TECHNOLOGY ASSOCIATE OF SCIENCE

Information Technology (IT) graduates can work in a great variety of fields and pursuits, including programming, systems analysis and administration, game design, project leadership, web design, technical support and many others. Students earning this degree will receive a solid foundation in computer hardware, software and programming to support small-to-medium sized business needs and have the opportunity to expand their knowledge in any of these areas. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete with the Cal-GETC pattern.

Required Courses – Major

Course Number	Course Name	Units
BUS 134	Human Relations in Business	3
CSC 102	IT and Computer Science Career Exploration	1
CSC 105	Introduction to Linux I	1.5
CSC 106	Introduction to Linux II	1.5
CSC 109A	IT Support I	1
CSC 109B	IT Support II	1
CSC 116	Information & Communication Technology Essentials	4
CSC 117	Computer Network Fundamentals	3
CSC 141	AI Literacy	3
CSC 220	Introduction to Computer Science	4

Plus 3 - 4 additional units selected from the following

CSC 150	Python Programming for Cybersecurity	3
CSC 221	Programming and Algorithms I	4

Plus 8 additional units selected from the following

Course Number	Course Name	Units
CSC 118	Introduction to Information Systems Security	3
CSC 130	Web Design and Development	3
CSC 166	Database	3
CSC 210	Computer Organization and Architecture	3
CSC 210L	Computer Organization and Architecture Lab	1
CSC 222	Programming and Algorithms II	4
CSC 240	Discrete Structures	3
DAM 110	Digital Image Manipulation in Adobe Photoshop	3
DAM 125	Introduction to Desktop Publishing with Adobe InDesign	3
DAM 205	Introduction to Digital Art and Design	3
DAM 250	Introduction to Video Production	3
DAM 281	Digital Design Using Adobe Illustrator	3
MTH 210	Calculus and Analytic Geometry I	5
PHY 220	Physics for Scientists and Engineers I	4

Total Major Units

34 - 35

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Design, implement, and test computer programs, using a variety of tools and methodologies.
2. Use a Linux-based tool chain to develop, host, and maintain programs and services.
3. Design, build, and analyze small Ethernet networks.

Career Opportunities in INFORMATION TECHNOLOGY

Graduates are well-prepared for entry-level positions that combine technical skills with practical problem-solving abilities. Typical career opportunities include Computer Support Specialist, Help Desk Technician, IT Support Specialist, Web Developer, Network Technician, and Database Administrator with graduates finding employment across diverse industries including healthcare, finance, government agencies, manufacturing, and technology companies.

COMPUTER APPLICATIONS AND OFFICE ADMINISTRATION CERTIFICATE OF ACHIEVEMENT

The Computer Applications and Office Administration Certificate of Achievement prepares students for positions that combine technical knowledge with business aptitude. Career areas include the design, implementation and maintenance/management of IT systems, office support, computer support, records management and administrative support positions in a wide variety of fields.

Required Courses

Course Number	Course Name	Units
BUS 107	Customer Service	3
BUS 108	Computerized Accounting	3
BUS 134	Human Relations in Business	3
BUS 170	Business Communication Skills for Managers	3
CSC 104	Computers and Computer Applications	3
CSC 105	Introduction to Linux I	1.5
CSC 116	Information and Communication Technology Essentials	4
CSC 130	Web Design and Development	3
CSC 141	AI Literacy	3
CSC 164	Electronic Spreadsheets	3
CSC 166	Database	3
CSC 220	Introduction to Computer Science	4

Total units required for Certificate

36.5

Program Level Student Learning Outcomes:

1. Design, compose, edit, and maintain office-related documents and data.
2. Understand the basic functionality of computer systems and networks, at a high level.
3. Use a variety of applications and tools to gather, process, analyze, and archive data.
4. Communicate effectively using various relevant technologies and methods in the business environment.
5. Analyze communication and information technology to increase sales, target marketing, and improve customer experience.
6. Demonstrate basic management principles for effectively managing records in a small office scenario.

Career Opportunities in COMPUTER APPLICATIONS AND OFFICE ADMINISTRATION

The program is designed to prepare students for positions that combine technical knowledge with business aptitude, making graduates versatile for roles across different industries that require both computer skills and business understanding. Typical career opportunities include design, implementation, and maintenance/management of IT systems, office support, computer support, records management, and administrative support positions in a wide variety of fields.

DIGITAL FORENSICS CERTIFICATE OF ACHIEVEMENT

This certificate provides graduates with the skills needed to prepare, execute, and document digital forensic plans for common information technologies. Students receive extensive hands-on experience and develop the knowledge and abilities necessary to implement a detailed and methodological approach to digital forensics and evidence analysis that also pivots around Dark Web, IoT, and Cloud Forensics. This program also provides preparation for several nationally recognized, high demand certifications in the field of Cybersecurity.

Required Courses

Course Number	Course Name	Units
CSC 116	Information and Communication Technology Essentials	4
CSC 117	Computer Network Fundamentals	3
CSC 118	Introduction to Information Systems Security	3
CSC 141	AI Literacy	3
CSC 152	Network OS and Administration	3
CSC 156	Digital Forensics Fundamentals	3
CSC 161	Cloud Infrastructure and Security	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
BUS 107	Customer Service	3
BUS 134	Human Relations in Business	3
BUS 170	Business Communication Skills for Managers	3

Total units required for Certificate

25

Program Level Student Learning Outcomes:

1. Define best practices for computer forensics investigations.
2. Define the requirements for proper evidence collection, chain of custody and investigation reporting.
3. Apply appropriate tools and methodologies to identify the footprints of a breach and collect evidence for a prosecution.
4. Select the proper data acquisition and examination processes for any given set of conditions.
5. Explain and apply malware forensic processes to digital forensics.

Career Opportunities in DIGITAL FORENSICS

This program prepares students for careers in the digital forensics cybersecurity field. Some common job titles and careers for this certificate include forensic analysts, cybercrime investigators, cyber defense forensic analysts, incident responders, information technology auditors, malware analysts, and security consultants.

IT SPECIALIST CERTIFICATE OF ACHIEVEMENT

IT and networking professionals are a vital part of many businesses, and these skills are highly sought by such employers. The IT Specialist certificate helps prepare students for positions known variously as IT support, network/systems administrator, network/systems engineer, network/systems technician, and network/systems analyst.

Required Courses

Course Number	Course Name	Units
CSC 102	IT and Computer Science Career Exploration	1
CSC 105	Introduction to Linux I	1.5
CSC 106	Introduction to Linux II	1.5
CSC 109A	IT Support I	1
CSC 116	Information and Communication Technology Essentials	4
CSC 117	Computer Network Fundamentals	3
CSC 118	Introduction to Information Systems Security	3
CSC 141	AI Literacy	3
CSC 220	Introduction to Computer Science	4

Total units required for Certificate

22

Program Level Student Learning Outcomes:

1. Demonstrate the ability to explain and use secure network administration principles, identify and explain types of threats and vulnerabilities, and be able to explain key concepts in the area of access control and identity management.
2. Describe the function of each of the major hardware components of a computer system.
3. Install, configure, and troubleshoot various operating systems.
4. Explain the layers of the OSI model.
5. Identify characteristics of network topologies and protocols.
6. Demonstrate the ability to explain general cryptography concepts and use the appropriate cryptographic method for various scenarios.

Career Opportunities in IT SPECIALIST

The IT Specialist certificate helps prepare students for positions known variously as IT support, network/systems administrator, network/systems engineer, network/systems technician, and network/systems analyst.

NETWORK DEFENSE CERTIFICATE OF ACHIEVEMENT

This certificate provides graduates with the skills needed to defend networks and information systems against cyber-attacks. Students receive extensive hands-on experience and develop the knowledge and abilities necessary to succeed in protection of an organization's data and operations. It is a rigorous program designed to help students master the fundamentals of cybersecurity by applying industry-accepted and emerging practices to solve real-world security problems. Upon completion of the program, students will be able to evaluate security trends, recognize best practices, and understand Information Technology security products and threats. This program also provides preparation for several nationally recognized, high demand certifications in the field of Cybersecurity.

Required Courses

Course Number	Course Name	Units
CSC 116	Information and Communication Technology Essentials	4
CSC 117	Computer Network Fundamentals	3
CSC 118	Introduction to Information Systems Security	3
CSC 141	AI Literacy	3
CSC 150	Python Programming for Cybersecurity	3
CSC 152	Network OS and Administration	3
CSC 154	Network Security	3
CSC 161	Cloud Infrastructure and Security	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
BUS 107	Customer Service	3
BUS 134	Human Relations in Business	3
BUS 170	Business Communication Skills for Managers	3

Total units required for Certificate

28

Program Level Student Learning Outcomes:

1. Apply strategies for network defense using firewalls, routers, switches, and anti-malware tools.
2. Define best practices for configuring cyber defense and countermeasures.
3. Compare and contrast the benefits of firewalls vs. intrusion detection devices and software.
4. Apply cyber defense and countermeasures as appropriate to mitigate potential risks.
5. Design organizational plans for securing data while maintaining the confidentiality, integrity, and availability (CIA) of the information transmitted over communication networks.

Career Opportunities in NETWORK DEFENSE

This program prepares students for careers in the Cybersecurity field. Some common job titles and careers for this certificate include IT Security analyst, security operations center (SOC) analyst, vulnerability analyst, cybersecurity specialist, Threat intelligence analyst, security engineer, and cybersecurity analyst.

PENETRATION TEST PROFESSIONAL CERTIFICATE OF ACHIEVEMENT

This certificate provides graduates with best practices penetration testing skills to safeguard enterprises against modern cyber-attacks. Students receive extensive hands-on experience and develop the knowledge and abilities necessary to apply the tools and methods used by cyber criminals to the protection of an organization's data and operations. Upon completion of the program, students will develop penetration testing skills based on real-world training scenarios.

Required Courses

Course Number	Course Name	Units
CSC 116	Information and Communication Technology Essentials	4
CSC 117	Computer Network Fundamentals	3
CSC 118	Introduction to Information Systems Security	3
CSC 141	AI Literacy	3
CSC 150	Python Programming for Cybersecurity	3
CSC 152	Network OS and Administration	3
CSC 158	Introduction to Cybersecurity: Ethical Hacking	3
CSC 159	Fundamentals of Penetration Testing	4
CSC 161	Cloud Infrastructure and Security	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
BUS 107	Customer Service	3
BUS 134	Human Relations in Business	3
BUS 170	Business Communication Skills for Managers	3

Total units required for Certificate

32

Program Level Student Learning Outcomes:

1. Define best practices for penetration testing.
2. Define the requirements for proper planning, implementation, and documentation of penetration tests.
3. Implement penetration testing across a wide range of scenarios including internal/external/perimeter network penetration testing, web application penetration testing, and cloud penetration testing.

Career Opportunities in PENETRATION TEST PROFESSIONAL

This program prepares students for careers in the Cybersecurity field. Some common job titles and careers for this certificate include ethical hackers, penetration testers, network server administrators, firewall administrators, security testers, system administrators and risk assessment professionals, information security analyst, and network security penetration tester.

WEB DEVELOPMENT CERTIFICATE OF ACHIEVEMENT

The Web Development certificate prepares students for positions designing, implementing and maintaining web content. Skills include developing engaging and immersive web environments.

Required courses

Course Number	Course Name	Units
CSC 102	IT and Computer Science Career Exploration	1
CSC 130	Web Design and Development	3
CSC 141	AI Literacy	3
CSC 220	Introduction to Computer Science	4
DAM 205	Introduction to Digital Art and Design	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
ART 282	Introduction to Photography	3
CSC 104	Computers and Computer Applications	3
CSC 150	Python Programming and Cybersecurity	3
CSC 221	Programming and Algorithms I	4
DAM 110	Digital Image Manipulation in Adobe Photoshop	3
DAM 125	Introduction to Desktop Publishing with Adobe InDesign	3
DAM 205	Introduction to Digital Art and Design	3
DAM 250	Introduction to Video Production	3
DAM 281	Digital Design Using Adobe Illustrator	3
MUS 110	Recording Studio Techniques I	3
MUS 115A	Recording Studio Laboratory	1
WEE 196	Work Experience Education	1 - 3

Total units required for Certificate

17

Program Level Student Learning Outcomes:

1. Ensure that plug-ins and scripts avoid common security problems and protect against common attacks.
2. Construct web content using basic and advanced HTML per current W3C standards.
3. Make appropriate use of W3C standards-based technology to implement a separation of content from presentation.
4. Develop responsive, accessible, engaging web content that is effective across different platforms and devices.

Career Opportunities in WEB DEVELOPMENT

Graduates with a web development certificate specializing in digital design are well-positioned for web design and related careers across a broad range of industries. Typical job titles include Web Designer/UI Developer, Front-End Developer, and UX/UI Designer.

PRESENTATIONS CERTIFICATE OF COMPLETION

The Presentations Certificate of Completion provides students the knowledge and skills to use Presentation applications as problem-solving tools. The program is appropriate for students seeking employment in a range of office settings and for community members and professionals looking to improve their use of a computer as a problem-solving tool.

Required Courses

Course Number	Course Name	Hours
CSC 551	Presentation I	8.5
CSC 552	Presentation II	8.5
Total hours		17

Program Level Student Learning Outcomes:

1. Describe how presentation applications may be used as problem-solving tools.
2. Apply knowledge of presentation applications to create a variety of slide presentations which use features such as multiple slide layouts, ClipArt, slide master, headers/footers, transitions, animations, audio/video, Smart Art, and Hyperlinks.

Career Opportunities in PRESENTATIONS

Completing the Presentations Certificate of Completion can lead to a variety of administrative opportunities in a range of office-based settings including but not limited to hospitals, schools, and private industry.

SPREADSHEETS CERTIFICATE OF COMPLETION

The Spreadsheets Certificate of Completion provides students the knowledge and skills to use spreadsheet applications as problem-solving tools. The program is appropriate for students seeking employment in a range of office settings and for community members and professionals looking to improve their use of a computer as a problem-solving tool.

Required Courses

Course Number	Course Name	Hours
CSC 541	Spreadsheets I	8.5
CSC 542	Spreadsheets II	8.5
Total hours		17

Program Level Student Learning Outcomes:

1. Describe how spreadsheet applications may be used as problem-solving tools.
2. Apply knowledge of spreadsheet applications to create a variety of workbooks which include features formulas, financial functions, ClipArt, borders, shading, charts, headers/footers, and amortization tables.

Career Opportunities in SPREADSHEETS

Completing the Spreadsheets Certificate of Completion can lead to a variety of administrative opportunities in a range of office-based settings including but not limited to hospitals, schools, and private industry.

WORD PROCESSING CERTIFICATE OF COMPLETION

The Word Processing Certificate of Completion provides students the knowledge and skills to use Word Processing applications as problem-solving tools. The program is appropriate for students seeking employment in a range of office settings and for community members and professionals looking to improve their use of a computer as a problem-solving tool.

Required Courses

Course Number	Course Name	Hours
CSC 531	Word Processing I	8.5
CSC 532	Word Processing II	8.5

Total hours **17**

Program Level Student Learning Outcomes:

1. Describe how word processing applications may be used as problem-solving tools.
2. Apply knowledge of word processing applications to create a variety of documents which include features such as tables, lists, images, references, and watermarks.

Career Opportunities in WORD PROCESSING

Completing the Word Processing Certificate of Completion can lead to a variety of administrative opportunities in a variety of office-based settings including but not limited to hospitals, schools, and private industry.

CULINARY ARTS

Nicholas Petti • 707.467.1052

Degrees

Culinary Arts Management

Certificate of Achievement

Culinary Arts Management

Certificate of Skills

Beginning Baker
Intermediate Line Cook
Line Cook

CULINARY ARTS MANAGEMENT ASSOCIATE OF SCIENCE

The hospitality industry is the number one employer nationwide. The Culinary Arts Management Associate of Science degree prepares students for higher levels of responsibility in the culinary field, such as chef, kitchen manager, district supervisor, general manager, and owner. This degree encompasses cooking skills and general education helpful for career advancement and mobility in the field.

Required Courses – Major

Course Number	Course Name	Units
CAM 101	Culinary Skills I	3
CAM 102	Culinary Skills II	3
CAM 140	Working the Room: Dining Room Service and Management	2
CAM 152	Food and Equipment Safety and Sanitation	1
CAM 154	Food and Beverage Cost Control: Hot to Make (and Keep) Your Money	1.5
CAM 161	Food Start-ups: Business Planning for Restaurants, Caterers, and Food Trucks	3
CAM 197A	Culinary Arts Practicum	3
CAM 260	The Meaning of Food: The Forces That Shape Our Food Culture	3

Select 6 additional units selected from the following

Course Number	Course Name	Units
AGR 180	Fall Vegetable Gardening Practices	2
AGR 181	Spring Vegetable Gardening Practices	2
BUS 132	Entrepreneurial Management	3
BUS 150	Entrepreneurial Marketing	3
CAM 58	Chocolate Confections	1
CAM 68	Food Preservation	1
CAM 70A	Seasonal Vegetarian Cuisine Late Summer/Early Fall	0.5
CAM 70B	Seasonal Vegetarian Cuisine Late Fall/Early Winter	0.5
CAM 70C	Seasonal Vegetarian Cuisine Late Winter/Early Spring	0.5
CAM 70D	Seasonal Vegetarian Cuisine Late Spring/Early Summer	0.5
CAM 71	Food and Wine Pairing	1
CAM 120	Let's Party: Introduction to Catering and Events	1
CAM 121A	Catering Lab I	0.5 - 1
CAM 121B	Catering Lab II	0.5 - 1
CAM 121C	Catering Lab III	0.5 - 1
CAM 130A	Baking I	2
CAM 130B	Baking II	2
CAM 130C	Pastry and Desserts	1
WEE 196	Work Experience Education	1 - 3

Total Major Units

25.5

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Demonstrate a broad exposure of general education topics that complement the Culinary Arts Management major requirements.
2. Define culinary terms and describe culinary techniques.
3. Identify suitable career options in food service for their skills and interests.
4. Demonstrate professionalism in appearance, time management, interpersonal skills, teamwork, decision making, and initiative needed for foodservice.
5. Demonstrate station organization, purchasing, storage, menu writing, and sanitation principles as they apply to food handling.
6. Identify problems in food preparation and presentation and solve these problems.
7. Demonstrate skills and apply industry standards in food handling, beverage service, baking, food preparation, equipment selection, use, and maintenance.

CULINARY ARTS MANAGEMENT CERTIFICATE OF ACHIEVEMENT

This one-year certificate program is intended to provide students with the skills and competencies necessary to achieve success in the growing North Coast food service and hospitality industry. Students who complete this program will find themselves in high demand among employers seeking to staff restaurants, lodging and drinking establishments. Although entry-level wages in the food service industry are typically modest, the industry offers excellent opportunities for advancement to management positions, which are typically staffed from within the organization. Possession of a Culinary Arts Management Certificate, along with the requisite job experience, can give the individual a competitive edge in applying for these well-compensated management positions.

Required Courses

Course Number	Course Name	Units
CAM 101	Culinary Skills I	3
CAM 102	Culinary Skills II	3
CAM 140	Working the Room: Dining Room Service and Management	2
CAM 152	Food and Equipment Safety and Sanitation	1
CAM 154	Food and Beverage Cost Control: Hot to Make (and Keep) Your Money	1.5
CAM 161	Food Start-ups: Business Planning for Restaurants, Caterers, and Food Trucks	3
CAM 197A	Culinary Arts Practicum	3
CAM 260	The Meaning of Food: The Forces That Shape Our Food Culture	3

Plus 6 additional units selected from the following

Course Number	Course Name	Units
AGR 180	Fall Vegetable Gardening Practices	2
or AGR 181	Spring Vegetable Gardening Practices	2
BUS 132	Entrepreneurial Management	3
BUS 150	Entrepreneurial Marketing	3
CAM 58	Chocolate Confections	1
CAM 68	Food Preservation	1
CAM 70A	Seasonal Vegetarian Cuisine Late Summer/Early Fall	0.5
CAM 70B	Seasonal Vegetarian Cuisine Late Fall/Early Winter	0.5
CAM 70C	Seasonal Vegetarian Cuisine Late Winter/Early Spring	0.5
CAM 70D	Seasonal Vegetarian Cuisine Late Spring/Early Summer	0.5
CAM 71	Food and Wine Pairing	1
CAM 120	Let's Party: Introduction to Catering and Events	1
CAM 121A	Catering Lab I	0.5 - 1
CAM 121B	Catering Lab II	0.5 - 1
CAM 121C	Catering Lab III	0.5 - 1
CAM 130A	Baking I	2
CAM 130B	Baking II	2
CAM 130C	Pastry and Desserts	1
WEE 196	Work Experience Education	1 - 3

Total units required for Certificate

25.5

Program Level Student Learning Outcomes:

1. Demonstrate professionalism in appearance, time management, interpersonal skills, teamwork, decision-making, and initiative needed for foodservice.
2. Demonstrate skill and apply industry standards in food handling, beverage service, baking, food preparation, equipment selection, use, and maintenance.
3. Identify suitable career options in food service for their skills and interests.
4. Identify problems in food preparation and presentation and solve these problems.
5. Demonstrate station organization, purchasing, storage, menu writing, and sanitation principles as they apply to food handling.
6. Define culinary terms and describe culinary techniques.

BEGINNING BAKER CERTIFICATE OF SKILLS

The Beginning Baker Certificate of Skills prepares students for entry level positions in the baking industry.

Required Courses

Course Number	Course Name	Units
CAM 130A	Baking I	2
CAM 130B	Baking II	2
CAM 152	Food and Equipment Safety and Sanitation	1
CAM 154	Food and Beverage Cost Control: How to Make (and Keep) Your Money	1.5

Total units required for Certificate

6.5

Program Level Student Learning Outcomes:

1. Explain and apply baking industry terminology.
2. Identify and properly use equipment and tools used in the baking industry.
3. Demonstrate industry standard scaling, mixing, and portioning procedures.
4. Produce and evaluate a variety of bakery products.

LINE COOK CERTIFICATE OF SKILLS

This certificate prepares students for entry level positions in the food-service industry.

Required Courses

Course Number	Course Name	Units
CAM 101	Culinary Skills I	3
CAM 102	Culinary Skills II	3
CAM 152	Food and Equipment Safety and Sanitation	1

Total units required for Certificate

7.5

Program Level Student Learning Outcomes:

1. Define culinary terms and describe culinary techniques.
2. Identify suitable career options in food service for their skills and interests.
3. Apply industry standards in food preparation, equipment selection, use, and maintenance.

INTERMEDIATE LINE COOK CERTIFICATE OF SKILLS

The Intermediate Line Cook Certificate of Skills prepares students for mid-level positions in the food industry. This certificate builds on skills acquired in the Line Cook Certificate of Skills and provides students with basic skills needed for entry level kitchen management positions.

Required Courses

Course Number	Course Name	Units
CAM 101	Culinary Skills I	3
CAM 102	Culinary Skills II	3
CAM 152	Food and Equipment Safety and Sanitation	1
CAM 154	Food and Beverage Cost Control: How to Make (and Keep) Your Money	1.5

Plus 4 additional units selected from the following

Course Number	Course Name	Units
CAM 68	Food Preservation	1
CAM 70A	Seasonal Vegetarian Cuisine Late Summer/Early Fall	0.5
CAM 70B	Seasonal Vegetarian Cuisine Late Fall/Early Winter	0.5
CAM 70C	Seasonal Vegetarian Cuisine Late Winter/Early Spring	0.5
CAM 70D	Seasonal Vegetarian Cuisine Late Spring/Early Summer	0.5
CAM 120	Let's Party: Introduction to Catering and Events	1
CAM 121A	Catering Lab I	0.5 - 1
CAM 121B	Catering Lab II	0.5 - 1
CAM 121C	Catering Lab III	0.5 - 1
CAM 130A	Baking I	2
CAM 130B	Baking II	2
CAM 130C	Pastry and Desserts	1

Total units required for Certificate

12.5

Program Level Student Learning Outcomes:

1. Apply industry standards in food handling, beverage service, baking, food preparation, equipment selection, use, and maintenance.
2. Demonstrate professionalism in appearance, time management, interpersonal skills, teamwork, decision-making, and initiative needed for foodservice.
3. Demonstrate station organization, purchasing, storage, menu writing, and sanitation principles as they apply to food handling.

DIGITAL ARTS AND MEDIA

David Pai • 707.468.3126

Certificate of Achievement

Digital Arts and Media

DIGITAL ARTS AND MEDIA CERTIFICATE OF ACHIEVEMENT

This certificate will prepare the student for employment in the field of digital design and media production. It consists of experiences in applied design, graphic design principles, layout and design, and multimedia production. The focus is upon an introduction to advertising thinking, visual communication, and skills in graphic design and preparing art for reproduction.

Required Courses

Course Number	Course Name	Units
DAM 110	Digital Image Manipulation in Adobe Photoshop	3
DAM 125	Introduction to Desktop Publishing with Adobe InDesign	3
DAM 205	Introduction to Digital Art and Design	3
DAM 250	Introduction to Video Production	3
DAM 281	Digital Design Using Adobe Illustrator	3

Plus 2 – 3 additional units selected from the following

Course Number	Course Name	Units
ART 210A	Fundamentals of Drawing	3
ART 282	Introduction to Photography	3
CSC 104	Computers and Computer Applications	3
CSC 130	Web Design and Development	3
CSC 141	AI Literacy	3
CSC 150	Python Programming for Cybersecurity	3
CSC 221	Programming and Algorithms I	4
DRN 160	Introduction to Unmanned Aircraft Vehicles (UAV)	1.5
DRN 165	Small Unmanned Aircraft Vehicles (sUAV) Procedures and Regulations	1.5
MUS 110	Recording Studio Techniques I	3
MUS 115A	Recording Studio Laboratory	1
THE 201	Introduction to Film	3
THE 216A	Stage Lighting I	3
THE 219	Introduction to Directing	3
WEE 196	Work Experience Education	2

Total units required for Certificate

17 – 18

Program Level Student Learning Outcomes:

1. Generate artwork utilizing advanced principles of design and applying these to a multimedia environment.
2. Interpret terminology for effective generation and discussion of digital art projects.
3. Utilize software to generate digital art projects.
4. Edit audio, video, and graphic content in a digital environment.

EARTH SCIENCE

Steve Cardimona • 707.468.3219

Degrees

A.S. Earth Science

EARTH SCIENCE ASSOCIATE OF SCIENCE

The Earth Science Associate of Science degree at Mendocino College reflects the many opportunities of this broad field, offering a suite of courses to prepare students with a sound physical science background via the application of scientific principles, problem solving techniques and critical thinking, with an emphasis on hands-on, experiential learning. Students will study the relationships among geographic places, natural systems and resources, and society, as applied to understanding the earth's history, evolution, our changing climate, and earth resources. Students can obtain the associate degree and build their knowledge base and resume for employment or transfer to a four-year institution to further their studies. As with all degree programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete with the Cal-GETC pattern. Please check with a counselor for more specific transfer information.

Required Courses – Major

Course Number	Course Name	Units
CHM 200	Introduction to Chemistry	5
or CHM 250	General Chemistry I	5
GEO 206	Physical Geography	4
or GEL 201	Geology	3
and GEL 201L	Geology Laboratory	1
MTH 210	Calculus and Analytic Geometry I	5
or MTH 230	Calculus for Business and Economics	4
STAT C1000	Introduction to Statistics	4

Plus 8 – 9 additional units selected from the following

Course Number	Course Name	Units
AGR 208	Soil Science	4
CHM 251	General Chemistry II	5
EAS 210	Geology of California	4
EAS 211	Weather and Climate	3
GEL 201	Geology	3
GEL 201L	Geology Laboratory	1
GEL 203	Earth History	3
GEL 203L	Earth History Laboratory	1
GEO 201	Cultural Geography	3
GEO 206	Physical Geography	4
MTH 211	Calculus and Analytic Geometry II	5
NRS 200	Environmental Science	3
NRS 200L	Environmental Science Laboratory	1
PHY 210	General Physics I	4
PHY 211	General Physics II	4
PHY 220	Physics for Scientists and Engineers I	4
PHY 221	Physics for Scientists and Engineers II	4

Total Major Units

25 – 27

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Utilize mathematical techniques for analytical problem solving.
2. Apply statistical analyses to address practical problems.
3. Utilize natural science laboratory and field methods to study physical problems.
4. Work on practical problems in geology and related physical science fields that have applications to the earth.

Career Opportunities in EARTH SCIENCE

Completing the Earth Science Associate of Science degree can lead to a variety of opportunities. As a branch of disciplines within STEM (Science, Technology, Engineering, Mathematics), Earth Science is a broad field offering personal satisfaction working on practical problems that are important for our modern society. Obtain the associates degree or tailor a transfer program in order to find employment in a broad spectrum of jobs including but not limited to hydrologist, geologist, geographer, urban planner, park ranger, planetary exploration scientist, environmental scientist, and alternative energy or pollution remediation contractor.

ECONOMICS

Julie Finnegan • 707.468.3134

Degrees

A.A.-T Economics

ASSOCIATE IN ARTS IN ECONOMICS FOR TRANSFER

Economics is the study of how the individual or society allocates scarce resources to satisfy unlimited wants. The Associate in Arts in Economics for Transfer explores the principles of economic decision-making as it relates to the individual, firm, industry, government, and entire society. The program's required coursework develops critical thinking and analytical skills in anticipation of the intermediate theoretical coursework of a 4-year economics degree. The Associate in Arts in Economics for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Economics or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements.

Required Courses – Major

Course Number	Course Name	Units
ECON 2001	Principles of Microeconomics	3
ECON 2002	Principles of Macroeconomics	3
MTH 210	Calculus and Analytic Geometry I	5
or MTH 230	Calculus for Business and Economics	4
STAT C1000	Introduction to Statistics	4

Plus 4 – 5 additional units selected from the following

Course Number	Course Name	Units
BUS 200	Financial Accounting	4
BUS 201	Managerial Accounting	4
MTH 211	Calculus and Analytic Geometry II	5

Plus 4 – 5 additional units selected from the following, or any course not used above

Course Number	Course Name	Units
MTH 212	Calculus and Analytic Geometry III	5
MTH 214	Linear Algebra	4

Total Major Units

22 – 25

Total Degree Units

60

Program Level Student Learning Outcomes:

1. Use macroeconomic indicators to assess unemployment, inflation, taxation, economic growth and trade.
2. Assess the decision-making behavior of individuals, businesses, and government entities using microeconomic principles.
3. Use quantitative analysis to describe the dynamics of the basic economic models of supply and demand.

Career Opportunities in ECONOMICS

Students completing a bachelor's or more advanced degree in Economics may find employment as market researchers, educators, budget analysts, statisticians, economists, or government or banking employees.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

EDUCATION

Office of Instruction • 707.468.3002

Certificate of Achievement

Cal-GETC

CALIFORNIA GENERAL EDUCATION TRANSFER CURRICULUM (Cal-GETC) CERTIFICATE OF ACHIEVEMENT

This Certificate of Achievement in the California General Education Transfer Curriculum (Cal-GETC) is designed for students who intend to transfer to the University of California (UC) or the California State University (CSU). Earning a Certificate of Achievement in Cal-GETC will enable Mendocino College to officially acknowledge a significant educational achievement the student has completed. Students who complete this certificate will meet all lower-division general education requirements for the UC or CSU. Students transferring to the CSU must complete a minimum of 9 additional upper-division general education units after transfer.

Please visit your counselor for a current list of Cal-GETC requirements.

Total units required for Certificate

34

Program Level Student Learning Outcomes:

1. Apply critical thinking and information competency skills to reach well-supported factual or judgmental conclusions which are effectively communicated in written and oral English.
2. Apply the scientific method, principles and concepts in order to test scientific hypotheses and theories.
3. Explain and apply mathematical concepts to solve problems through quantitative reasoning.
4. Express themselves subjectively as well as objectively when engaging with the creative arts and humanities in various cultural contexts.
5. Apply methods of social scientific inquiry to analyze key current and historical social, political, economic and individual issues in a variety of cultural contexts.

ENGLISH

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 Vincent Poturica • 707.468.3123
 John Rall • 707.468.3018

Degrees

A.A.-T English

ASSOCIATE IN ARTS IN ENGLISH FOR TRANSFER

The English major prepares students with the reading, writing, and critical and creative thinking skills required for university level study of literature, composition, and related disciplines in the social sciences, humanities, and business, among others. Students develop effective communication skills by exploring the relationship between reading and writing as a means of connecting to and better understanding our world. The Associate in Arts in English for Transfer is designed to prepare students for a transfer into the CSU system to complete a baccalaureate degree in English or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements. Please check with a counselor for more specific transfer information.

Required Courses – Major

Course Number	Course Name	Units
ENGL C1003	Critical Thinking and Writing through Literature	4
ENGL 245	American Literature I	3
ENGL 246	American Literature II	3
ENGL 250	Survey of Contemporary World Literature	3
ENGL 270	Children's Literature	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
ENGL C1001	Critical Thinking and Writing	3
ENGL 210	Creative Writing	3
ENGL 212	Intermediate Creative Writing	3
ENGL 225	Introduction to Shakespeare	3
ENGL 265	Introduction to California Literature	3
THE 200	Introduction to Theatre	3

Total Major Units **19**

Total Degree Units **60**

Program Level Student Learning Outcomes:

1. Demonstrate proficiency in writing college-level essays in a variety of rhetorical modes; final drafts should include a clear, complex thesis statement, rigorous support, minimal sentence-level errors, logical organization, and consistent paragraph unity.
2. Analyze and construct clear and well-supported interpretations of literary texts.
3. Distinguish elements of fiction such as plot, theme, character and setting and apply this knowledge to the works of major authors.
4. Apply skills in elementary inductive and deductive reasoning and identify basic formal and informal fallacies of language and thought.
5. Cite sources using MLA style.

Career Opportunities in ENGLISH

Career opportunities include the field of education such as teaching, and educational administration; the field of media such as social media management, video game development, and web content creation; the field of writing such as technical writing, copywriting, freelance writing, playwriting, novel writing, editing, and journalism; the field of business such as investor relations, marketing and sales, advertising, and public relations. An English major is a solid basis for many Bachelor programs that could also lead to law and business schools and other graduate programs.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of “C” (or “P”) for each course in the major, and
- Completion of Cal-GETC.

ENGLISH AS A SECOND LANGUAGE

Melissa Fornari • 707.468.3250

Sarah Walsh • 707.468.3122

Certificate of Competency

Communication Skills ESL Preparation

Certificate of Completion

Advanced ESL Preparation
Intermediate ESL Preparation

COMMUNICATION SKILLS ESL PREPARATION CERTIFICATE OF COMPETENCY

The Communication Skills ESL Preparation Certificate of Competency builds high-intermediate level listening and speaking skills needed for successful interaction in the workplace and in academic settings. In addition to a focus on language learning through listening and speaking skill development, students who complete this certificate will also build some high-intermediate level reading and writing skills.

Required Courses

Course Number	Course Name	Hours
ESL 503A	English as a Second Language: Communication Skills A	51
ESL 503B	English as a Second Language: Communication Skills B	34
ESL 503C	English as a Second Language: Communication Skills C	34

Total hours

119

Program Level Student Learning Outcomes Required:

1. Utilize accurate articulation of sound and word stress.
2. Give a presentation in English about an academic topic and provide feedback to peer presenters.
3. Develop an oral argument about a given topic.

Career Opportunities in ESL

With the completion of this certificate, students will build listening and speaking skills to the high intermediate level and be better prepared to communicate in English in future academic settings and in the workforce.

INTERMEDIATE ESL PREPARATION CERTIFICATE OF COMPLETION

The Intermediate ESL Certificate provides students with intermediate level academic language skills needed for increased job opportunities and advanced level ESL coursework. This certificate prepares ESL students for advanced level courses. All courses in the certificate are noncredit.

Required Courses

Course Number	Course Name	Hours
ESL 509A	Intermediate English as a Second Language A	68
ESL 509B	Intermediate English as a Second Language B	68

In order to receive the Intermediate ESL Preparation Certificate, students must complete one semester of ESL 509A and one semester of ESL 509B with a noncredit grade of P.

Based on appropriate guided self-placement, students can complete a minimum of 68 hours from the following ESL noncredit courses:

Course Number	Course Name	Hours
ESL 500A	Introduction to English as a Second Language A	68
ESL 500B	Introduction to English as a Second Language B	68
ESL 507A	Beginning English as a Second Language A	68
ESL 507B	Beginning English as a Second Language B	68

Total hours

136 – 408

Program Level Student Learning Outcomes Required:

1. Communicate with intermediate level accuracy in English speaking college and career settings.
2. Organize, draft, and revise academic written texts, including paragraphs.
3. Develop vocabulary and fluency needed to comprehend and respond to intermediate level academic texts.
4. Utilize English grammar structures at an intermediate level of language proficiency.

Career Opportunities in ESL

This certificate prepares ESL students to transition into advanced ESL coursework at Mendocino College. It also provides students with intermediate level English language proficiency useful in work settings in our community and beyond.

ADVANCED ESL PREPARATION CERTIFICATE OF COMPLETION

The Advanced ESL Certificate provides students with academic language skills needed for increased job opportunities and further study. This certificate prepares ESL students for courses in the English Department, and other certificate and degree programs at Mendocino College. All courses for this certificate are noncredit.

Required Courses

Course Number	Course Name	Hours
ESL 511A	Advanced English as a Second Language A	68
ESL 511B	Advanced English as a Second Language B	68

In order to receive the Advanced ESL Preparation Certificate, students must complete one semester of ESL 511A and one semester of ESL 511B with a noncredit grade of P, or one semester of ESL 511B and one semester of ESL 513 with a noncredit grade of P.

Course Number	Course Name	Hours
ESL 513	Bridge to English	85

Total hours

136 – 153

Program Level Student Learning Outcomes Required:

1. Communicate accurately and confidently in English-speaking college and career settings.
2. Organize, draft, and revise academic written texts, including essays.
3. Develop vocabulary and fluency needed to comprehend and respond to advanced-level academic texts.
4. Utilize English grammar structures at an advanced level of English-language proficiency.

Career Opportunities in ESL

This certificate prepares students to transition into the English Department at Mendocino College and prepares them for further study in certificate or degree programs. It also provides students with the English language skills needed for varied work opportunities in our community and beyond.

ETHNIC STUDIES

Lori Thomas • 707.468.3019

Degrees

A.A. Ethnic Studies

ETHNIC STUDIES ASSOCIATE OF ARTS

Ethnic Studies major leads to the Associate of Arts degree and prepares the student for transfer to a four-year institution. Students completing the baccalaureate program or graduate work may be prepared for careers in bilingual education, social work, business, and community and government service. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete the Cal-GETC pattern.

Required Courses – Major

Course Number	Course Name	Units
ANT 201	Cultural Anthropology	3
ETH 202	Racial and Ethnic Relations	3
ETH 235	Mexican American Culture	3
ETH 241	Pacific Coast Indian Cultures	3

Plus 6 additional units selected from the following

Course Number	Course Name	Units
ANT 200	Physical Anthropology	3
ARTH 206	Introduction to Native American Art	3
HIST 207	Mexican American History	3
HIST 209	African American History	3
HIST 222	Native American History	3
SOC 200	Introduction to Sociology	3

Total Major Units

18

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Articulate the basic concepts and theoretical perspectives of racial and ethnic relations.
2. Analyze the similarities and differences among the major ethnic and racial groups in the United States.
3. Demonstrate knowledge of the basic elements of culture, including understanding the theory and methods used in their identification and assessment.
4. Analyze racial and ethnic relations using sociological theories, literature, and current events.

FIRE SCIENCE

Christopher Dewey • 707.468.3205

Degrees

A.S. Fire Science

Certificate of Achievement

Fire Science

FIRE SCIENCE ASSOCIATE OF SCIENCE

The Fire Science Associate of Science program prepares students for a career in fire prevention and protection. Graduates will be eligible for employment in entry-level positions including, but not limited to, firefighter, fire officer, fire investigator, and Emergency Medical Technician.

Required Courses – Major

Course Number	Course Name	Units
FSC 111	Fire Protection Organization	3
FSC 112	Fire Behavior & Combustion	3
FSC 113	Fire Protection Equipment & Systems	3
FSC 114	Building Construction for Fire Safety	3
FSC 115	Hazardous Materials Response for Public Safety	3
EMS 135*	Emergency Medical Technician	0 - 7

*Current EMT I license can be substituted for this required course.

Plus 3 additional units selected from the following

Course Number	Course Name	Units
ADJ 150	Public Safety Leadership	3
COMM 211	Intercultural Communication	3
EMS 202	First Aid, Emergency Care, and Cardiopulmonary Resuscitation	3
FSC 50A	Training I: Instructional Methodology	2.5
FSC 50B	Training Instructor IB: Psychomotor Lesson Delivery	2.5
FSC 65	Incident Command System (ICS) 300	1.5
FSC 70A	Company Officer 2A: Human Resources Management for Company Officers	2.5
FSC 70B	Company Officer 2B: General Administrative Functions	1.5
FSC 70C	Company Officer 2C: Fire Inspections and Investigations	2.5
FSC 70D	Company Officer 2D: All-Risk Command Operations	2.5
FSC 70E	Company Officer 2E: Wildland Incident Operations for Company	2.5
FSC 80	Low Angle Rope Rescue Operational	0.5
FSC 81	Surf Rescue Operations	1
FSC 90	Fire Fighter II Academy	19.5
PSYC 208	Psychology of Loss and Death	3
WEE 196	Work Experience Education	1 - 8

Total Major Units

18 – 25

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of “C” for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Analyze the causes of fire, determine extinguishing agents and methods of extinguishment, differentiate the stages of fire, and compare methods of heat transfer.
2. Identify and comprehend laws, regulations, codes and standards that influence fire department operations, and identify regulatory and advisory organizations that create and mandate them, especially in the areas of fire prevention, building codes and firefighter health and safety.
3. Describe fire behavior and how urban interface and climate changes impact fire seasons.

Career Opportunities in FIRE SCIENCE

Completing the Fire Science Associates Degree can lead to a variety of opportunities in firefighting and protection service including but not limited to firefighting, defensible space management, fire prevention, fire officer, fire investigator and building inspection and Emergency Medical Technician.

FIRE SCIENCE CERTIFICATE OF ACHIEVEMENT

This certificate program provides a comprehensive understanding of the skills necessary for successful employment in the Fire Service industry. This program is designed to meet the needs of students interested in seeking entry-level firefighting positions by completing a California State Fire Training Accredited Region Training Fire Academy. Career opportunities include: Seasonal Firefighter, Intern Firefighter, Volunteer Firefighter, and Career Firefighter. A certificate is designed to provide career technical skills; it is not equivalent to an associate degree.

Required Courses – Major

Course Number	Course Name	Units
FSC 111	Fire Protection Organization	3
FSC 112	Fire Behavior & Combustion	3
FSC 113	Fire Protection Equipment & Systems	3
FSC 114	Building Construction for Fire Safety	3
FSC 115	Hazardous Materials Response for Public Safety	3
EMS 135*	Emergency Medical Technician	0 - 7

*Current EMT I license can be substituted for this required course.

Plus 3 additional units selected from the following

Course Number	Course Name	Units
ADJ 150	Public Safety Leadership	3
COMM 211	Intercultural Communication	3
EMS 202	First Aid, Emergency Care, and Cardiopulmonary Resuscitation	3
FSC 50A	Training I: Instructional Methodology	2.5
FSC 50B	Training Instructor IB: Psychomotor Lesson Delivery	2.5
FSC 65	Incident Command System (ICS) 300	1.5
FSC 70A	Company Officer 2A: Human Resources Management for Company Officers	2.5
FSC 70B	Company Officer 2B: General Administrative Functions	1.5
FSC 70C	Company Officer 2C: Fire Inspections and Investigations	2.5
FSC 70D	Company Officer 2D: All-Risk Command Operations	2.5
FSC 70E	Company Officer 2E: Wildland Incident Operations for Company	2.5
FSC 80	Low Angle Rope Rescue Operational	0.5
FSC 81	Surf Rescue Operations	1
FSC 90	Fire Fighter II Academy	19.5
PSYC 208	Psychology of Loss and Death	3
WEE 196	Work Experience Education	1 - 8

Total units required for Certificate

18 – 25

Program Level Student Learning Outcomes:

1. Analyze the causes, stages and methods of extinguishment for fires.
2. Describe fire behavior and urban interface.
3. Identify how climate change impacts fire seasons.
4. Identify laws, regulations, codes, and standards that influence fire operations and fire organizations.

Career Opportunities in FIRE SCIENCE

Completing the Fire Science Certificate Program can lead to a variety of opportunities in firefighting and protection service including but not limited: Seasonal Firefighter, Intern Firefighter, Volunteer Firefighter, Career Firefighter and Emergency Medical Technician.

GEOLOGY

Steve Cardimona • 707.468.3219

Degrees

A.S.-T Geology

ASSOCIATE IN SCIENCE IN GEOLOGY FOR TRANSFER

The Associate in Science in Geology for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Geology. Students will gain physical science and mathematical skills applied to understanding the earth's history, geologic resources and our changing climate in order to study the relationships among geographic places, natural systems, earth resources and society. Geology students learn about and apply scientific principles, problem solving techniques and critical thinking, with an emphasis on hands-on, experiential learning. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements and should plan to complete the Cal-GETC pattern. Please check with a counselor for more specific transfer information.

Required Courses – Major

Course Number	Course Name	Units
CHM 250	General Chemistry I	5
CHM 251	General Chemistry II	5
GEL 201	Geology	3
GEL 201L	Geology Laboratory	1
GEL 203	Earth History	3
GEL 203L	Earth History Laboratory	1
MTH 210	Calculus and Analytic Geometry I	5
MTH 211	Calculus and Analytic Geometry II	5
Total Major Units		28
Total Degree Units		60

Program Level Student Learning Outcomes:

1. Experience problem solving and utilizing different techniques in analytic geometry as demonstrated by satisfactory completion of two semesters of calculus.
2. Experience in laboratory methods and applications of chemistry as demonstrated by satisfactory completion of two semesters of general chemistry.
3. Exposure to, and gained knowledge of, basic concepts in geology as demonstrated by satisfactory completion of their physical and historical geology coursework.

Career Opportunities in GEOLOGY

Completing the Associate in Science in Geology for Transfer degree can lead to a variety of opportunities. Geology is a STEM (Science, Technology, Engineering, Mathematics) field offering countless personal and professional opportunities to work on practical problems that are important for modern society. Careers for a geologist include a broad spectrum of possibilities from resource management to natural hazards assessment and mitigation, including but not limited to working as a hydrogeologist, geophysicist, environmental scientist, oceanographer, planetary scientist and meteorologist.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

HEALTH SCIENCES

Greg Hicks • 707.468.3133

Degrees

A.S. Allied Health
A.S. Health Sciences

ALLIED HEALTH ASSOCIATE OF SCIENCE

The Allied Health major is designed for students who plan to transfer to a community college allied health occupation program, such as Dental Hygiene, Physical Therapist Assistant, Radiologic Technology, Registered Nurse, or Respiratory Therapy. Students who plan to apply to a specific allied health occupation program at a community college must first complete a set of prerequisite courses. Students who complete the prerequisites for one of these programs will almost invariably complete this major in the process. Prerequisites can vary slightly from one school to another or may change from one year to the next, so students should check with the targeted school for the current prerequisites needed. Please check with a Mendocino College counselor for additional information about preparing to apply to a specific health occupation program. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete the Cal-GETC pattern.

Required Courses – Major

Course Number	Course Name	Units
BIO 230	Human Anatomy	5
BIO 231	Human Physiology	5

Plus 9 additional units selected from the following

Course Number	Course Name	Units
BIO 202	Human Biology	3
BIO 259	Microbiology	5
CHM 200	Introduction to Chemistry	5
COMM 211	Intercultural Communication	3
CSC 104	Computers and Computer Applications	3
HLH 214	Foods and Nutrition	3
HLH 215	Therapeutic Nutrition	3
PSYC C1000	Introduction to Psychology	3
PSYC 210	Psychology of Life Span Development	3
PSYC 216	Social Psychology	3
WEE 196	Work Experience Education	1 – 2

Total Units

19

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of “C” for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Demonstrate critical thinking skills in interpreting scientific data.
2. Describe and explain structure and function of the various organ systems of the body.
3. Work safely and effectively in a laboratory setting.
4. Employ modern microbiological laboratory techniques to effectively isolate individual pathogens.
5. Apply formulas and/or dimensional analysis to solve word problems involving concepts in chemistry.

Career Opportunities in ALLIED HEALTH

Completing the Allied Health Associate of Science degree can lead to a variety of opportunities in the allied health field. Students who complete the prerequisites and other admission requirements, can apply to a specific community college allied health program. Graduation from one of these programs leads to a career as a Dental Hygienist, Diagnostic Medical Sonographer, Physical Therapist Assistant, Radiologic Technologist, Registered Nurse, or Respiratory Therapist, depending on the program. There are numerous career opportunities in the allied health field. Some require less training than this and some require more. Please check with a Mendocino College counselor for more information about allied health careers.

HEALTH SCIENCES ASSOCIATE OF SCIENCE

Health Science is an interdisciplinary field that encompasses the study of biology, chemistry, epidemiology, kinesiology, natural science, nutrition, psychology, public health, research design, and statistics. It focuses on health-related issues, interventions, and outcomes. Health science programs often combine laboratory science courses with classes that are critical for understanding both individual and population health from a variety of perspectives. The Health Sciences Associate of Science degree is designed for students who wish to transfer to a four-year college or university to pursue a Baccalaureate or Master's degree in a health profession such as medical technology, nutrition, medicine, dentistry, pharmacy, physical therapy, veterinary science, etc. The lower division core requirements are similar from school to school, but the general education and institutional requirements for graduation can vary. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete the Cal-GETC pattern. Please check with a counselor for more specific transfer information.

Required Courses – Major

Course Number	Course Name	Units
BIO 231	Human Physiology	5
BIO 250	Cell and Molecular Biology	4
CHM 250	General Chemistry I	5
CHM 251	General Chemistry II	5
STAT C1000	Introduction to Statistics	4

Plus 5 additional units selected from the following

Course Number	Course Name	Units
BIO 230	Human Anatomy	5
BIO 259	Microbiology	5
CHM 255	Organic Chemistry I	5

Total Major Units

28

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Demonstrate critical thinking skills in interpreting scientific data.
2. Describe and explain the structure and function of the various organ systems of the body.
3. Work safely and effectively in a laboratory setting.
4. Employ modern microbiological laboratory techniques to effectively isolate individual pathogens.
5. Apply formulas and/or dimensional analysis to solve word problems involving concepts in chemistry.

Career Opportunities in HEALTH SCIENCE

Completing the Health Sciences Associate of Science degree can lead to a variety of opportunities. A degree in health science is applicable to a large variety of health professions such as behavioral analyst, certified nursing assistant, community health or public health worker, dentist, dental hygienist, dietitian assistant, epidemiologist, forensic public health specialist/forensic epidemiologist, hearing aid specialist, health educator, mental health counselor, patient care advocate, pharmacy sales representative, physician, physician assistant, physical or occupational therapist, psychiatric technician, registered diagnostic medical sonographer, registered nurse, registered radiologic technologist, research assistant or associate, and registered dietitian. Many of these occupations will require clinical training and graduate education beyond a Health Science Associate of Science degree.

HISTORY

Neeka Aguirre • 707.467.1030

Degrees

A.A.-T History

ASSOCIATE IN ARTS IN HISTORY FOR TRANSFER

The study of history fosters an understanding of ourselves and our world through the study of the past, both remote and recent, local and geographically distant. In so doing it equips students with cultural literacy and promotes critical thinking and the formation of well-informed perspectives on today's world. It also offers fundamental preparation for careers in business, government, teaching, and professional fields. This degree provides a clearly articulated curricular track for students who wish to transfer to a CSU, while exposing students to the core principles and practices of the study of history in order to build a foundation for their future academic path. The Associate in Arts in History for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in History or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements.

Required Courses – Major

Course Number	Course Name	Units
HIST C1001	United States History to 1877	3
HIST C1002	United States History since 1865	3

Plus 6 additional units selected from the following

Course Number	Course Name	Units
HIST 200	History of Western Civilization I	3
or HIST 205	World History to 1500	3
HIST 201	History of Western Civilization II	3
or HIST 206	World History Since 1500	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
ETH 202	Racial and Ethnic Relations	3
ETH 235	Mexican American Culture	3
ETH 241	Pacific Coast Indian Cultures	3
HIST 207	Mexican American History	3
HIST 208	Women in American History	3
HIST 209	African American History	3
HIST 220	Mexican History	3
HIST 222	Native American History	3
POLS 205	Native Americans and the U.S. Political System	3

PROGRAMS

Plus 3 additional units selected from the following courses not previously used

Course Number	Course Name	Units
ANT 201	Cultural Anthropology	3
ETH 202	Racial and Ethnic Relations	3
ETH 235	Mexican American Culture	3
ETH 241	Pacific Coast Indian Cultures	3
HIST 221	California History	3
HIST 250	Contemporary America: The People and the Issues	3
POLS C1000	American Government and Politics	3
POLS 201	Comparative Politics	3
POLS 203	International Relations	3
POLS 205	Native Americans and the U.S. Political System	3
SOC 201	Social Problems	3

Total Major Units **18**

Total Degree Units **60**

Program Level Student Learning Outcomes:

1. Create, organize, and support an historical argument in written and/or oral presentation.
2. Demonstrate the ability to reconstruct the past through inquiry, research, critical thinking and problem solving, making use of both primary and secondary sources.
3. Identify and evaluate multiple perspectives and approaches to historical understanding.
4. Identify and describe historically important people, events, problems, and periods.

Career Opportunities in HISTORY

Completing the baccalaureate degree or graduate level work can lead to a variety of opportunities such as educator, researcher, writer, editor, archivist, information manager, non-profit or government employee, foreign service officer, or a variety of positions within the legal field.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

HOSPITALITY MANAGEMENT

Nicholas Petti • 707.467.1052

Certificates of Achievement

Hospitality Management

HOSPITALITY MANAGEMENT CERTIFICATE OF ACHIEVEMENT

The Hospitality Management program provides students with comprehensive education and training for successful careers in the hospitality industry. This career-focused program combines academic coursework with hands-on experience to prepare graduates for positions in hotels, restaurants, event planning, tourism, and related fields.

Required Courses

Course Number	Course Name	Units
HSP 101	Introduction to the Hospitality Industry	3

Plus 15 additional units selected from the following

Course Number	Course Name	Units
BUS 170	Business Communication Skills for Managers	3
BUS 212	The Legal Environment of Business	3
CAM 101	Culinary Skills I	3
CAM 152	Food and Equipment Safety and Sanitation	1
CAM 154	Food and Beverage Cost Control: How to Make (and Keep) Your Money	1.5
CAM 161	Food Start-ups: Business Planning for Restaurants, Caterers, and Food Trucks	3
ECON C2001	Principles of Microeconomics	3
STAT C1000	Introduction to Statistics	4

Total units required for Certificate **18**

Program Level Student Learning Outcomes:

1. Identify career opportunities in the hospitality, culinary, and tourism management industry, and the required skills, knowledge and abilities of a successful leader in the hospitality industry.
2. Apply critical thinking skills to hospitality-related scenarios.

Career Opportunities in HOSPITALITY MANAGEMENT

Graduates of our program qualify for entry-level management positions in diverse hospitality settings, including: Hotels and resorts, Restaurants and foodservice establishments, convention centers and event venues, tourism organizations, entertainment venues, corporate hospitality departments, wineries and tasting rooms.

HUMAN SERVICES

Office of Instruction • 707.468.3002

Degrees

A.S. Human Services Paraprofessional

Certificate of Achievement

Human Service Worker
Human Services Paraprofessional

HUMAN SERVICES PARAPROFESSIONAL ASSOCIATE OF SCIENCE

The Human Services major leads to the Associate of Science degree, providing students with an understanding of the knowledge and skills related to Social Work, Counseling and related occupations, and prepares students to transfer to four-year colleges or universities to continue their education toward an advanced degree and potential licensure in Social Work or related fields. Social Workers are counselors, educators and advocates, and work with children, adults and elders in social and welfare institutions by addressing poverty, abuse, and drug and alcohol dependence issues. In a broad sense, the Social Worker's role is to engage the individual, community and society to address issues of social injustice. As with all programs, students who intend to transfer to a four-year institution should check with a counselor to determine the transfer institution's specific transfer requirements.

Required Courses – Major

Course Number	Course Name	Units
HUS 101	Introduction to the Helping Profession	3
or HUS 170	Introduction to Social Work	3
HUS 103	Field Placement and Practicum Seminar	1.5
or ARC 164	Field Placement and Practicum Seminar I	1.5
HUS 152	Basic Skills for Human Service Workers	3
HUS 154	Fundamentals of Interviewing and Counseling	3
HUS 156	Case Management and Documentation	3
HUS 197A	Human Service Worker Practicum	2 - 8
or ARC 197A	Addiction and Recovery Counseling Practicum	2 - 8
PSYC C1000	Introduction to Psychology	3
SOC 200	Introduction to Sociology	3

Total Major Units

21.5 – 27.5

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Analyze the importance of ethical behavior, and of technical and cultural competence in the delivery of services in human service-related fields.
2. Accurately describe and analyze the historical and contemporary role of human service-related occupations in their communities and society at large.
3. Describe and analyze the principles and key concepts underlying human service-related occupations.
4. Identify, describe, and perform the basic duties and responsibilities of a human services paraprofessional.

Career Opportunities in HUMAN SERVICES

Students completing the Associate Degree may be hired as Social Worker Assistants, Residential Counselors, Case Managers, or in similar paraprofessional human services positions. Students completing baccalaureate degrees can find employment in more advanced Social Work, Counseling, or related occupations, and those completing graduate degrees will be qualified to pursue licensure as a Clinical Social Worker or Marriage and Family Therapist.

HUMAN SERVICES PARAPROFESSIONAL CERTIFICATE OF ACHIEVEMENT

The Program provides students with the knowledge and skills to fulfill Human Service Paraprofessional duties and responsibilities in a competent and ethical manner, with an understanding of and sensitivity to the diverse populations which they will serve. Human Service Paraprofessionals are non-professional employees who provide services under the supervision of certified and/or licensed counselors, social workers, nurses, and/or other professionals. Human Service Paraprofessionals may be members of a team or work with little direct supervision. Employers prefer to hire Human Service Paraprofessionals who have completed post-secondary certificate training and who have some on-the-job experience, such as that provided by Cooperative Work Experience Education or an internship class. This program meets these employer needs, and gives students a clear employment advantage over untrained, inexperienced job applicants. For many, the HUS-P program will be the beginning of a career and academic path. Students seeking immediate employment can complete the Certificate Program, and then complete General Education requirements for the Human Service Associate of Science Degree while working. Students who wish to continue their education in Human Services-related disciplines at four-year colleges will have the ability to work in fields akin to their academic studies, and this work experience will add meaning, purpose and direction to their college coursework.

Required Courses

Course Number	Course Name	Units
HUS 101	Introduction to the Helping Profession	3
or HUS 170	Introduction to Social Work	3
or ARC 151	Alcohol and Drugs: Overview	3
HUS 103	Field Placement and Practicum Seminar	1.5
or ARC 164	Field Placement and Practicum Seminar I	1.5
HUS 152	Basic Skills for Human Service Workers	3
HUS 154	Fundamentals of Interviewing and Counseling	3
HUS 156	Case Management and Documentation	3
HUS 160	Law, Ethics and Human Services	2
HUS 197A	Human Service Worker Practicum	2 - 8
or ARC 197A	Addiction and Recovery Counseling Practicum	2 - 8

Plus 18 additional units selected from the following

Course Number	Course Name	Units
ADJ 200	Introduction to Administration of Justice	3
ADJ 204	Community Relations	3
CDV 202	Culture and Diversity in Early Childhood Education	3
CDV 280	Child, Family, and Community	3
COMM 211	Intercultural Communication	3
ETH 202	Racial and Ethnic Relations	3
ETH 235	Mexican American Culture	3
ETH 241	Pacific Coast Indian Cultures	3
HIST 207	Mexican American History	3
HIST 208	Women in American History	3
HIST 209	African American History	3
HIST 222	Native American History	3
HUS 155	Group Leadership and Group Process	3
HUS 157	Dual Disorders and Mental Health Issues	2
HUS 159	Intervention Theory and Techniques	1.5
HUS 161	Introduction to Family Counseling Approaches	3
HUS 162	Community Prevention Theory and Practice	3
HUS 163	Professional Competency and Growth	2
HUS 171	Working with Adolescents and Young Adults	3
HUS 172	Working in Tribal Communities	3
HUS 173	Mindfulness Practice in Human Services	3
PSYC 208	Psychology for Loss and Death	3
PSYC 216	Social Psychology	3

PROGRAMS

Course Number	Course Name	Units
SOC 210	Sociology of Families	3
WEE 196	Work Experience Education	1 – 8

Total units required for Certificate

35.5 – 41.5

Program Level Student Learning Outcomes:

1. Perform essential, entry-level human service paraprofessional tasks in a competent and ethical manner, with an understanding of and sensitivity to diverse populations.
2. Describe and analyze the principles and key concepts underlying human service-related occupations.
3. Communicate effectively and professionally, verbally and in writing, with co-workers, supervisors and clients.
4. Analyze the historical and contemporary role human service-related occupations play in their communities and society at large.

Career Opportunities in HUMAN SERVICES

The Human Service Paraprofessional Certificate of Achievement (HUS-P) program prepares students for employment in human service agencies, such as Social Services; Mental Health, Public Health and Community-Based Organizations. Typical duties include: determining clients' needs and referring them to appropriate services; assisting clients in the application for benefits and other social programs; co-facilitating individual, family and group counseling sessions; developing treatment or case plans and monitoring clients' progress in fulfilling the plans; providing training in daily living skills; advocating for clients before social and government agencies; and maintaining case records and reports.

HUMAN SERVICE WORKER CERTIFICATE OF ACHIEVEMENT

The Human Service Worker Program provides students with the knowledge and skills to perform essential, entry-level Human Service Worker tasks in a competent and ethical manner, with an understanding of and sensitivity to the diverse populations which they will serve. Employers prefer potential Human Service Worker programs to have completed post-secondary certificate training (usually a minimum of 12-18 units at a community college or occupational training program) and who have some on-the-job experience, such as is provided by cooperative work experience or an internship class. This program meets these employer needs, and gives students a clear employment advantage over untrained, inexperienced job applicants. The Human Service Worker program is, for many, a first step on a career path. It is an important step in an academic path, as well. Many of the courses in the Human Service Worker program may be applied to the Human Services Paraprofessional (HUS-P) and/or the Addiction and Recovery Counseling Certificate and Degree programs for those students who want to continue with more advanced study, and who are interested in seeking more complex and challenging employment opportunities. Students who receive their Human Service Worker Certificate can continue their studies in the HUS-P or Addiction and Recovery Counseling certificate or degree programs while employed.

Required Courses

Course Number	Course Name	Units
HUS 101	Introduction to the Helping Profession	3
or HUS 170	Introduction to Social Work	3
or ARC 151	Alcohol and Drugs: Overview	3
HUS 103	Field Placement and Practicum Seminar	1.5
or ARC 164	Field Placement and Practicum Seminar I	1.5
HUS 152	Basic Skills for Human Service Workers	3
HUS 154	Fundamentals of Interviewing and Counseling	3
HUS 156	Case Management and Documentation	3
HUS 197A	Human Service Worker Practicum	2 - 8
or ARC 197A	Addiction and Recovery Counseling Practicum	2 - 8

Plus 6 additional units selected from the following

Course Number	Course Name	Units
ADJ 200	Introduction to Administration of Justice	3
ADJ 204	Community Relations	3
CDV 140	Working with School-Aged Children and Youth	3
CDV 202	Culture and Diversity in Early Childhood Education	3
COMM 211	Intercultural Communication	3
ETH 202	Racial and Ethnic Relations	3
ETH 235	Mexican American Culture	3
ETH 241	Pacific Coast Indian Cultures	3
HUS 155	Group Leadership and Group Process	3
HUS 157	Dual Disorders and Mental Health Issues	2
HUS 161	Introduction to Family Counseling Approaches	3
HUS 163	Professional Competency and Growth	2
HUS 171	Working with Adolescents and Young Adults	3
HUS 172	Working in Tribal Communities	3
HUS 173	Mindfulness Practice in Human Services	3
PSYC 208	Psychology for Loss and Death	3
PSYC 218	Abnormal Psychology	3
SOC 210	Sociology of Families	3
WEE 196	Work Experience Education	1 - 8

Total units required for Certificate

21.5 – 27.5

PROGRAMS

Program Level Student Learning Outcomes:

1. Use verbal and writing skills to effectively and professionally communicate with co-workers, supervisors and clients.
2. Accurately describe and analyze the historical and contemporary role of behavioral health-related occupations in their communities and society at large.
3. Perform essential, entry-level behavioral health paraprofessional tasks in a competent and ethical manner, with an understanding of and sensitivity to the diverse populations which they will serve.
4. Describe and analyze the principles and key concepts underlying behavioral health-related occupations.

Career Opportunities in HUMAN SERVICES

Human Service Workers are non-professional, entry-level workers who provide services to clients under the supervision of counselors, social workers, nurses, and/or other professionals. Human Service Workers may be members of a team to work with little direct supervision. Typical duties include determining and referring to appropriate human service agencies; assisting in the application for benefits and other social programs; providing transportation; providing training in daily living skills; co-facilitating individual, family and group counseling sessions; advocating for clients before social and government agencies; and maintaining case records and reports.

KINESIOLOGY

Office of Instruction • 707.468.3002

Degrees

A.A.-T Kinesiology

ASSOCIATE IN ARTS IN KINESIOLOGY FOR TRANSFER

Kinesiology is an academic discipline which involves the study of physical activity and its impact on health, society, and quality of life. Students completing the Associate in Arts in Kinesiology for Transfer degree will be provided with an integrated approach to the field that includes the biological, psychological, and social-humanistic perspectives. The Associate in Arts in Kinesiology for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Kinesiology or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements. Please check with a counselor for more specific transfer information.

Required Courses – Major

Course Number	Course Name	Units
BIO 230	Human Anatomy	5
BIO 231	Human Physiology	5
KIN 200	Introduction to Kinesiology	3

Movement Based Courses*

Select a maximum of one (1) course from any three (3) of the following areas for a minimum of three (3) units: Combatives, Team Sports, Individual Sports, Fitness, or Dance:

Combatives

Course Number	Course Name	Units
PES 273A	Beginning Foil Fencing	1
PES 273B	Intermediate Foil Fencing	1
PES 274A	Self Defense	1

Team Sports

Course Number	Course Name	Units
PES 204	Baseball	1
PES 208	Basketball	1
PES 224	Soccer	1

Individual Sport

Course Number	Course Name	Units
PES 264A	Tennis-Beginning	1
PES 264B	Tennis-Intermediate	1

Fitness

Course Number	Course Name	Units
PEF 202	Low Impact Fitness	1
PEF 216	Weight Training	1
PEF 280	Physical Fitness	1
THE 228A	Conditioning for Dance: Pilates Mat I	1

PROGRAMS

Dance

Course Number	Course Name	Units
THE 227A	Hip Hop Dance: Beginning	1
THE 230A	Contemporary Dance: Beginning	2
THE 238E	Jazz Dance: Beginning	2
THE 242A	Ballet: Beginning	2

Plus 6 – 9 additional units selected from the following

Course Number	Course Name	Units
CHM 250	General Chemistry I	5
EMS 202	First Aid, Emergency Care, and Cardiopulmonary Resuscitation	3
STAT C1000	Introduction to Statistics	4
PHY 210	General Physics I	4
or PHY 220	Physics for Scientists and Engineers I	4
PSYC C1000	Introduction to Psychology	3
or SOC 200	Introduction to Sociology	3

Total Major Units

22 – 26

Total Degree Units

60

Program Level Student Learning Outcomes:

1. Identify and describe major concepts, theoretical principles, empirical findings, and historical and current trends in kinesiology.
2. Describe physiological responses and adaptations to exercise.
3. Apply scientific principles to movement, exercise, and sport, including fitness, combative, individual sport and team sport.
4. Apply critical thinking, writing, reading, oral communication, and quantitative and qualitative analysis to skill and movement-related questions.

Career Opportunities in KINESIOLOGY

Completing the baccalaureate degree or graduate-level work can lead to a variety of opportunities such as physical education specialist, athletic trainer, kinesiologist, personal trainer, exercise physiologist, biomechanist, coach, athletic administrator, or sport psychologist.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

LEARNING SKILLS

Tascha Whetzel • 707.468.3151

Certificate of Completion

Employment Work Skills

Certificate of Skills

Practical Living

EMPLOYMENT WORK SKILLS CERTIFICATE OF COMPLETION

The 6 non-credit course sequence provides an opportunity for students with disabilities to gain skills and confidence for a successful work experience. These courses will address basic computer skills, investigation of appropriate career pathways, preparation for a job interview, review of work skills including attitude, attire, ethics and time management, practice of verbal communication in the work place and basic concepts of customer service. Successful completion of these courses will earn students a Certificate of Completion.

Required Courses

Course Number	Course Name	Hours
LRS 531	Basic Computer Skills	21.25
LRS 532	Vocational Exploration	21.25
LRS 533	Interview Skills	21.25
LRS 534	Work Place Skills	21.25
LRS 535	Work-Related Communication Skills	21.25
LRS 536	Customer Service Skills	21.25

Total hours

127.50

Program Level Students Learning Outcomes Required:

1. Develop basic computer skills in aiding with the exploration of career as well as for use in a job setting.
2. Learn and demonstrate interview skills as well as job application and resume completion.
3. Explore and practice needed work skills within an office setting as well employment-specific communication needs.
4. Develop and practice appropriate skills with customers and a supervisor.

Career Opportunities in EMPLOYMENT WORK SKILLS

Completing the Employment Work Skills Certificate of Completion certificate can lead to a variety of opportunities including but not limited to possible entry level positions in supported employment environments in the retail and service industries.

PRACTICAL LIVING CERTIFICATE OF SKILLS

The 6 non-credit course sequence provides an opportunity for students with disabilities to improve their everyday living skills. The courses will address independent living skills in the areas of cooking, nutrition, being a consumer, social skills, self-advocacy and personal relationships. This may lead the students to have greater independence in their home and community life. Successful completion of the courses will earn the students a Practical Living Certificate of Skills.

Required Courses

Course Number	Course Name	Hours
LRS 525	Cooking for Adult Learners with Disabilities	21.25
LRS 526	Nutrition for Adult Learners with Disabilities	21.25
LRS 527	Consumer Skills for Adult Learners with Disabilities	21.25
LRS 528	Social Skills for Adult Learners with Disabilities	21.25
LRS 529	Self-Advocacy for Adult Learners with Disabilities	21.25
LRS 530	Personal Relationships for Adult Learners with Disabilities	21.25

Total hours

127.50

Program Level Student Learning Outcomes Required:

1. Improve preparation and cooking skills and kitchen hygiene and safety; make healthy food choices as well as planning and preparing recipes; and learn about budgeting, restaurant and shopping etiquette.
2. Develop appropriate social skills in relation to school, work, and community interactions; develop advocate skills for life decisions; and understand personal hygiene, feelings and relationships.

LIBERAL ARTS AND SCIENCES

Office of Instruction • 707.468.3002

Degrees

A.A. Liberal Arts and Sciences with an Emphasis in Education
 A.A. Liberal Arts and Sciences with an Emphasis in Kinesiology and Health
 A.A. Liberal Arts and Sciences with an Emphasis in Native American Studies
 A.A. Liberal Arts and Sciences with an Emphasis in Social Science

LIBERAL ARTS AND SCIENCES WITH AN EMPHASIS IN EDUCATION ASSOCIATE OF ARTS

The Liberal Arts and Sciences with an Emphasis in Education is designed for students who intend to earn an Associate degree which surveys a breadth of academic offerings in the Liberal Arts and Sciences and allows for a deeper investigation of a particular field of study through an area of emphasis. Employment opportunities include Instructional Aide or transfer to a four-year college/university to prepare for a post-graduate teacher credential program. The Liberal Arts and Sciences with an Emphasis consists of: 1) An Area of Emphasis consisting of a minimum of 18 units; 2) The Mendocino College 25-unit General Education requirements; 3) The remainder of the 60 required units for the degree in degree-applicable electives, including Institutional Requirements. This degree provides the maximum flexibility in program design leading to the Associate of Arts Degree.

Required Courses – Major

Course Number	Course Name	Units
BIO 200	Concepts of Biology	3
or BIO 202	Human Biology	3
or BIO 250	Cell and Molecular Biology	4
COMM C1000	Introduction to Public Speaking	3
or COMM 210	Interpersonal Communication	3
HIST C1001	United States History to 1877	3
PSYC 210	Psychology of Life Span Development	3
or CDV 200	Child Growth and Development: Conception through Adolescence	3

Plus 6 additional units from two disciplines from the following (if not used above)

Course Number	Course Name	Units
CHM 200	Introduction to Chemistry	5
EDU 103	Teaching Students in the Contemporary Classroom	3
EDU 130	Bilingual Education in the United States: Yesterday and Today	3
EDU 100	Introduction to the Teaching Profession	3
ENGL 270	Children's Literature	3
ETH 202	Racial and Ethnic Relations	3
ETH 235	Mexican American Cultures	3
ETH 241	Pacific Coast Indian Cultures	3
GEL 201	Geology	3
STAT C1000	Introduction to Statistics	4
PHY 202	Introductory Physics	4
THE 200	Introduction to Theatre	3

Total Major Units

18 – 19

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Apply the basic principles and theories of communication.
2. Explain human development theories and approaches.
3. Recognize biological processes and concepts.
4. Describe the important events and their impacts in the early history of the United States.

Career Opportunities in EDUCATION

Completing the Liberal Arts and Science with an Emphasis in Education is intended to help students prepare for possible majors within the education field, including instructional assistant, instructor and other educational staff positions. Completing the baccalaureate degree or graduate level work can lead to a variety of opportunities in education including teaching, educational specialist and educational administrators.

LIBERAL ARTS AND SCIENCES WITH AN EMPHASIS IN KINESIOLOGY & HEALTH ASSOCIATE OF ARTS

The Liberal Arts and Sciences with an Emphasis in Kinesiology and Health degree is designed for students who intend to earn an Associate degree which surveys a breadth of academic offerings in the Liberal Arts and Sciences and allows for a deeper investigation of a particular field of study through an area of emphasis. Employment opportunities which require a general education in college level skills and those related to the area of emphasis would be appropriate for this degree. The Liberal Arts and Sciences with an Emphasis degree consists of: 1) An Area of Emphasis consisting of a minimum of 18-units; 2) The Mendocino College 25-unit General Education requirement; 3) The remainder of the 60 required units for the degree in degree-applicable electives, including Institutional Requirements. This degree provides the maximum flexibility in program design leading to the Associate of Arts Degree.

Required Courses – Major

Course Number	Course Name	Units
BIO 230	Human Anatomy	5
BIO 231	Human Physiology	5
or BIO 202	Human Biology	3
and BIO 202L	Human Biology Laboratory	1
HLH 200	Health Education	3
or HLH 203	Women's Health	3
KIN 200	Introduction to Kinesiology	3

Plus 9 additional units from any of the courses listed below, excluding those used above

Course Number	Course Name	Units
BIO 250	Cell and Molecular Biology	4
BIO 259	Microbiology	5
CDV 200	Child Growth and Development: Conception through Adolescence	3
CHM 200	Introduction to Chemistry	5
CHM 250	General Chemistry I	5
COMM C1000	Introduction to Public Speaking	3
COMM 210	Interpersonal Communication	3
EMS 202	First Aid, Emergency Care, and Cardiopulmonary Resuscitation	3
HLH 214	Foods and Nutrition	3
HLH 215	Therapeutic Nutrition	3
KIN 109	Fitness Instructor Training	3
KIN 214	Introduction to Sport Related Injuries	3
PHY 210	General Physics I	4
PHY 211	General Physics II	4
PSYC C1000	Introduction to Psychology	3
PSYC 210	Psychology of Life Span Development	3
PSYC 220	Psychology of Gender	3
STAT C1000	Introduction to Statistics	4

Total Major Units

24 – 25

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of “C” for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Describe scientific principles as they apply to physical activity, health, and wellness.
2. Illustrate the importance of physical activity in health, wellness, and the quality of life.
3. Appraise cultural, historical, and philosophical dimensions of physical activity, health, and wellness.
4. Evaluate the practice of physical activity and wellness and compose physical activities to increase wellness.

LIBERAL ARTS AND SCIENCES WITH AN EMPHASIS IN NATIVE AMERICAN STUDIES ASSOCIATE OF ARTS

Liberal Arts and Sciences with an emphasis in Native American Studies is designed to introduce students to the field. Students will study history and culture from a Native American perspective while improving their analytical skills. This program is designed to foster an appreciation of Native American heritage while also providing students with the tools to view both the Native American experience and the dominant culture critically. Upon completion of this degree, students will be prepared for entry-level positions in public institutions, non-profits, federal Indian law, tribal government, Native American education, or other organizations that require a good facility with college level reading and writing skills and critical and analytical thinking. The Liberal Arts and Sciences with an Emphasis consists of: 1) An Area of Emphasis consisting of a minimum of 18 units; 2) The Mendocino College 25-unit General Education requirements; 3) The remainder of the 60 required units for the degree in degree-applicable electives, including Institutional Requirements. This degree provides the maximum flexibility in program design leading to the Associate of Arts Degree.

Required Courses – Major

Course Number	Course Name	Units
ETH 202	Racial and Ethnic Relations	3
HIST 222	Native American History	3
HUS 172	Working in Tribal Communities	3

Plus 9 additional units selected from the following

Course Number	Course Name	Units
ANT 201	Cultural Anthropology	3
ARTH 206	Introduction to Native American Art	3
ETH 241	Pacific Coast Indian Cultures	3
MTH 170	Mathematics in Native American Cultures	3
POLS 205	Native Americans and the U.S. Political System	3

Total Major Units

18

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Identify and explain the culture and history of a variety of Indigenous tribes including the connections between Native American history and the contemporary state of Native America.
2. Explain the historical and contemporary relationship between the U.S. Government, state and local governments and "domestic dependent sovereign nations."
3. Explain the role of tribal government structures and the impact of tribal regulations on tribal members and families.
4. Evaluate how struggle, resistance, adaptation, solidarity, and liberation as experienced by Native Americans informs current Native American experience.

LIBERAL ARTS AND SCIENCES WITH AN EMPHASIS IN SOCIAL SCIENCE ASSOCIATE OF ARTS

Liberal Arts and Sciences with an Emphasis in Social Science is designed for students who intend to earn an Associate Degree which surveys a breadth of academic offerings in the Social Sciences. This degree consists of: 1) An Area of Emphasis consisting of a minimum of 18-units; 2) The Mendocino College 25-unit General Education requirement; 3) The remainder of the 60 required units for the degree in degree-applicable electives, including Institutional Requirements. This degree provides the maximum flexibility in program design leading to the Associate of Arts Degree.

Required Courses – Major

Choose 3 units from the following list of courses:

History

Course Number	Course Name	Units
HIST C1001	United States History to 1877	3
HIST C1002	United States History since 1865	3
HIST 200	History of Western Civilization I	3
HIST 201	History of Western Civilization II	3

Choose 3 units from the following list of courses:

Political Science

Course Number	Course Name	Units
POLS C1000	American Government and Politics	3
POLS 203	International Relations	3

Choose 6 units from the following list of courses:

Psychology, Society, and Culture

Course Number	Course Name	Units
CDV 200	Child Growth and Development: Conception through Adolescence	3
ECON C2001	Principles of Microeconomics	3
ECON C2002	Principles of Macroeconomics	3
ETH 202	Racial and Ethnic Relations	3
PSYC C1000	Introduction to Psychology	3
PSYC 210	Psychology of Life Span Development	3
PSYC 250	Research Methods in Psychology	3
SOC 200	Introduction to Sociology	3

Plus 6 additional units selected from the following, or any course not used above

Course Number	Course Name	Units
ANT 201	Cultural Anthropology	3
HIST 206	World History Since 1500	3
HIST 221	California History	3
POLS 202	Political Theory	3
PSYC 216	Social Psychology	3
PSYC 220	Psychology of Gender	3
SOC 201	Social Problems	3

Total Major Units

18

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of “C” for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Distinguish different approaches to understanding and researching human behavior and social interactions, including both qualitative and quantitative methodologies.
2. Demonstrate effective use of Internet resources, electronic databases and other digital and traditional sources of social scientific information.
3. Describe and analyze the impact of major societal institutions that influence and are influenced by individual and group behavior; these may include governmental, religious, educational and economic structures.
4. Evaluate competing interpretations of historic or contemporary political issues or social problems.

LICENSED VOCATIONAL NURSING

Leslie Kline • 707.467.1066

Certificate of Achievement

Vocational Nursing

VOCATIONAL NURSING CERTIFICATE OF ACHIEVEMENT

The Vocational Nursing program is designed to prepare graduates to meet the requirements to practice as a vocational nurse in a variety of health care settings. The student is awarded a Vocational Nursing Certificate of Achievement upon successful completion of the program. The program is concept and competency based and provides sequential learning experiences progressing from theoretical to applied practice. Students learn in foundational courses the basic understandings of humankind as a physical, mental, and social being. Students learn about the wellness to illness continuum and how it impacts individuals uniquely. Within the clinical settings, students learn critical thinking and decision-making skills. The program has three semesters of theory and clinical work. Lab and clinical work will be on campus and in community health facilities. Graduation from the program qualifies the student for examination for the National Council Licensure Examination for Practical Nurses (NCLEX-PN). After successful completion of the examination and all requirements of the Board of Vocational Nursing and Psychiatric Technicians, graduates may be licensed to work as Vocational Nurses in California.

Required Courses

Course Number	Course Name	Units
LVN 101	Vocational Nursing I	17.5
LVN 102	Vocational Nursing II	17
LVN 103	Vocational Nursing III	17.5

Total units required for Certificate

52

Program Level Student Learning Outcomes:

1. Provide safe, competent patient care at an entry-level for a Vocational Nurse.
2. Perform safe, patient/client-centered nursing care needed for individuals of all ages with various health needs, considering the continuum of health and illness.
3. Model ethical, legal, and professional responsibilities within the therapeutic relationships with client families and team members.
4. Exemplify competent technical and manual nursing skills needed to provide direct patient/ client care.
5. Satisfy the eligibility requirements for, and take and pass, the National Council Licensure Examination for Practical Nurses (NCLEX-PN).

Career Opportunities in VOCATIONAL NURSING

Completing the Vocational Nursing Certificate of Achievement can lead to many career opportunities. Following graduation and successful completion of the licensure exam, Vocational Nurses can work in a wide variety of healthcare settings to provide basic nursing care. Licensed Vocational Nurse are employed in acute care hospitals, long term care and skilled nursing facilities, home care agencies, outpatient clinics, doctor's offices, ambulatory surgery centers, dialysis centers, blood banks, psychiatric hospitals, correctional facilities, and Vocational Nursing Programs.

MATHEMATICS

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Degrees

A.S.-T Mathematics

ASSOCIATE IN SCIENCE IN MATHEMATICS FOR TRANSFER

Are you ready to embark on a journey of discovery and problem-solving? The Mathematics AS-T offers you the opportunity to explore the fascinating world of numbers, patterns, and logical reasoning. Mathematics is used to develop techniques to model real world applications, design efficient methods to solve problems, and create theories for problems we have yet to solve. The Associate in Science in Mathematics for Transfer (AS-T) degree is intended for students who plan to complete a baccalaureate degree in Mathematics or a related field of study at a California State University. Students who complete this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AS-T will be required to complete no more than 60 semester units after transfer to earn a baccalaureate degree.

Required Courses – Major

Course Number	Course Name	Units
MTH 210	Calculus and Analytic Geometry I	5
MTH 211	Calculus and Analytic Geometry II	5
MTH 212	Calculus and Analytic Geometry III	5
MTH 214	Linear Algebra	4
MTH 215	Differential Equations	3

Plus 4 additional units selected from the following

Course Number	Course Name	Units
CSC 220	Introduction to Computer Science	4
CSC 221	Programming and Algorithms I	4
PHY 220	Physics for Scientists and Engineers I	4

Total Major Units	26
Total Degree Units	60

Program Level Student Learning Outcomes:

1. Demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical ideas.
2. Construct appropriate mathematical models of natural phenomena, develop those models with appropriate mathematical techniques and interpret results of those models.
3. Use mathematical reasoning and, when appropriate, a general problem-solving process to solve problems.
4. Use appropriate technology to enhance their mathematical thinking and understanding, solve mathematical problems, and judge the reasonableness of their results.

Career Opportunities in MATHEMATICS

Do math and you can do anything! Studying Mathematics can lead to a variety of different jobs and career paths such as:

- Data science, machine learning, and artificial intelligence
- Mathematical, scientific and technical consulting
- Mathematical and scientific research and development
- Law and Public Policy Development
- Economics, Finance, and Actuarial Science

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

MUSIC

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Degrees

A.A.-T Music
 A.A. Music – Instrumental
 A.A. Music – Vocal
 A.A. Recording Arts and Technology

Certificate of Achievement

Recording Arts and Technology

ASSOCIATE IN ARTS IN MUSIC FOR TRANSFER

Through study in Music and through completion of the college's Associate in Arts in Music for Transfer degree (AA-T), this degree program prepares the student to transfer to a California State University Music Program. Completing this degree along with the Cal-GETC requirements to total 60 units with a minimum grade point average (GPA) of 2.0 and a C in all classes assigned to the major will satisfy the requirements for transfer into corresponding departments at CSUs. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements. Please check with a counselor for more specific transfer information.

Required Courses – Major

Course Number	Course Name	Units
MUS 201A	Music Theory/Musicianship I	4
MUS 201B	Music Theory/Musicianship II	4
MUS 202A	Music Theory/Musicianship III	4
MUS 202B	Music Theory/Musicianship IV	4
MUS 250	Applied Music - Individual Instruction	4

(Applied Music must be taken four times for a total of four units)

Plus 4 additional units selected from the following repeatable courses

Course Number	Course Name	Units
MUS 256	Jazz Band	1
MUS 272	Symphonic Band	1
MUS 276	Chamber Orchestra	1
MUS 278	Symphony Orchestra	1
MUS 280	Masters Chorale	1
MUS 281	Concert Choir I	1
MUS 285	Vocal Jazz Ensemble	1

Total Major Units	24
Total Degree Units	60

Program Level Student Learning Outcomes:

1. Demonstrate an understanding of the fundamental melodic, harmonic, and rhythmic structure of music through Music Theory.
2. Demonstrate fluency with the language of music in written and aural form through Musicianship.
3. Perform on their instrument (or voice) at college sophomore level.
4. Perform effectively in a musical ensemble through their major performing ensemble.

Career Opportunities in MUSIC

Completing baccalaureate degree or graduate level work can lead to a variety of opportunities including choir director, teacher, vocalist, entertainer, composer, lyricist, music therapist, music librarian, entertainer, arranger, composer or accompanist.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

MUSIC ASSOCIATE OF ARTS

The Music major provides students with the opportunity to earn an Associate in Arts in Music. The degree in Music with Vocal or Instrumental option meets the typical lower division major requirements for a bachelor's degree in Music at a four-year institution. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete the Cal-GETC pattern.

Required Courses – Major

Course Number	Course Name	Units
MUS 201A	Music Theory/Musicianship I	4
MUS 201B	Music Theory/Musicianship II	4
MUS 202A	Music Theory/Musicianship III	4
MUS 202B	Music Theory/Musicianship IV	4
MUS 203	Music History and Literature I	3
MUS 204	Music History and Literature II	3
MUS 210A	Piano: Beginning I	2
MUS 250	Applied Music - Individual Instruction	4

(Applied Music must be taken four times for a total of four units)

Plus 3 additional units selected from the following

Course Number	Course Name	Units
MUS 200	Fundamentals of Music	3
MUS 207	Introduction to Music Appreciation	3
MUS 208	Music in World Culture	3
MUS 209	History of Rock and Jazz Styles	3

Students will choose either the Vocal or Instrumental Option

Vocal Option:

4 units (total of 4 semesters) selected from the following repeatable courses

Course Number	Course Name	Units
MUS 280	Masterworks Chorale	1
MUS 281	Concert Choir I	1
MUS 285	Vocal Jazz Ensemble	1

Instrumental Option:

4 units (total of 4 semesters) selected from the following repeatable courses: Units

Course Number	Course Name	Units
MUS 256	Jazz Band	1
MUS 272	Symphonic Band	1
MUS 276	Symphony Orchestra	1
MUS 278	Chamber Orchestra	1

Total Major Units

35

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Demonstrate an understanding of the fundamental melodic, harmonic, and rhythmic structure of music through Music Theory.
2. Demonstrate fluency with the language of music in written and aural form through Musicianship.
3. Perform on their instrument (or voice) at college sophomore level.
4. Perform effectively in a musical ensemble through their major performing ensemble.
5. Utilize the piano keyboard to demonstrate and apply musical concepts through Piano Proficiency.
6. Demonstrate a broad-based understanding of the historical and aesthetic development of music through Music History.

RECORDING ARTS AND TECHNOLOGY ASSOCIATE OF ARTS

The Mendocino College Music Program offers a comprehensive course of study that will lead to an Associate of Arts Degree in Recording Arts and Technology. The program is designed to provide technical, artistic, and historical experiences that prepare the student for career opportunities in the field of audio and for students who are currently employed in the field of audio and desire advancement. Possible career paths may include recording engineer, live sound reinforcement, recording artist, sound designer, Foley artist, and post-production. There is no prerequisite or previous knowledge necessary to enter this program of study. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete with the Cal-GETC pattern.

Required Courses

Course Number	Course Name	Units
MUS 110	Recording Studio Techniques I	3
MUS 115A	Recording Studio Laboratory	1
MUS 111	Recording Studio Techniques II	3
MUS 115B	Recording Laboratory II	1
MUS 112	Recording Techniques III	3
MUS 115C	Recording Laboratory III	1
MUS 113	Recording Techniques IV	3
MUS 115D	Recording Laboratory IV	1

Plus 8 additional units selected from the following

Course Number	Course Name	Units
MUS 201A	Music Theory/Musicianship I	4
MUS 201B	Music Theory/Musicianship II	4
MUS 202A	Music Theory/Musicianship III	4
MUS 202B	Music Theory/Musicianship IV	4

Plus 4 additional units selected from the following

Course Number	Course Name	Units
MUS 210A	Piano: Beginning I	2
MUS 210B	Piano: Beginning II	2
MUS 210C	Piano: Intermediate I	2
MUS 210D	Piano: Intermediate II	2

Plus 3 additional units selected from the following

Course Number	Course Name	Units
MUS 203	Music History and Literature I	3
MUS 204	Music History and Literature II	3
MUS 208	Music in World Culture	3
MUS 209	History of Rock and Jazz Styles	3

Total Major Units

31

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Compose and analyze music based in tonal harmony.
2. Apply knowledge of music notation and piano performance technique to create performances of musical works.
3. Define and interpret the fundamentals of digital audio production.
4. Evaluate and apply various techniques utilizing recording equipment and hardware in order to create a best-usage practice with the end result being a professional quality product.

RECORDING ARTS AND TECHNOLOGY CERTIFICATE OF ACHIEVEMENT

The Mendocino College Music Department offers a comprehensive course of study that will lead to a Certificate in Recording Arts and Technology. The program is designed to provide technical, artistic, and historical experiences that prepare the student for career opportunities in the field of audio and for students who are currently employed in the field of audio and desire advancement. Possible career paths may include recording engineer, live sound reinforcement, recording artist, sound designer, Foley artist, and post production.

Required Courses

Course Number	Course Name	Units
MUS 110	Recording Studio Techniques I	3
MUS 115A	Recording Studio Laboratory	1
MUS 111	Recording Studio Techniques II	3
MUS 115B	Recording Laboratory II	1
MUS 112	Recording Techniques III	3
MUS 115C	Recording Laboratory III	1
MUS 113	Recording Techniques IV	3
MUS 115D	Recording Laboratory IV	1

Plus 8 additional units selected from the following

Course Number	Course Name	Units
MUS 201A	Music Theory/Musicianship I	4
MUS 201B	Music Theory/Musicianship II	4
MUS 202A	Music Theory/Musicianship III	4
MUS 202B	Music Theory/Musicianship IV	4

Plus 4 additional units selected from the following

Course Number	Course Name	Units
MUS 210A	Piano: Beginning I	2
MUS 210B	Piano: Beginning II	2
MUS 210C	Piano: Intermediate I	2
MUS 210D	Piano: Intermediate II	2

Plus 3 additional units selected from the following

Course Number	Course Name	Units
MUS 203	Music History and Literature I	3
MUS 204	Music History and Literature II	3
MUS 208	Music in World Culture	3
MUS 209	History of Rock and Jazz Styles	3

Total units required for Certificate

31

Program Level Student Learning Outcomes:

1. Compose and analyze music based in tonal harmony.
2. Apply knowledge of music notation and piano performance technique to create performances of musical works.
3. Define and interpret the fundamentals of digital audio production.
4. Evaluate and apply various techniques utilizing recording equipment and hardware in order to create a best-usage practice with the end result being a professional quality product.

NATURAL RESOURCES

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Degrees

A.S. Natural Resources

NATURAL RESOURCES ASSOCIATE OF SCIENCE

The Natural Resources Associate of Science degree offers an introduction to the Earth's physical and life science systems through the application of scientific principles, problem solving techniques and critical thinking, with an emphasis on hands-on, experiential learning to address modern issues with our natural systems and society.

Students will study relationships among natural systems, earth resources and society as applied to understanding biodiversity, our changing climate, and resource management. Students can use the Natural Resources Associate of Science degree to build their resume in support of finding their next local job, or it can prepare students for transfer to a four-year institution to major in environmental science or similar field. As with all degree programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete the Cal-GETC pattern. Please check with a counselor for more specific transfer information.

Required Courses – Major

Course Number	Course Name	Units
BIO 255	Botany, Plant Diversity, and Ecology	4
CHM 200	Introduction to Chemistry	5
or CHM 250	General Chemistry I	5
GEO 206	Physical Geography	4
or GEL 201	Geology	3
& GEL 201L	Geology Laboratory	1
NRS 200	Environmental Science	3
STAT C1000	Introduction to Statistics	4

Plus 3 – 4 additional units selected from the following

Course Number	Course Name	Units
AGR 208	Soil Science	4
EAS 211	Weather and Climate	3
PHY 210	General Physics I	4

Total Major Units

23 – 24

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Apply problem solving methodology and utilize different laboratory and field techniques in the natural sciences.
2. Apply statistical analyses to address practical problems.
3. Apply natural science tools and methodology relevant to scientific analysis of the earth and its environment.

Career Opportunities in NATURAL RESOURCES

Completing the Natural Resources Associate of Science degree can lead to a variety of opportunities. As a STEM (Science, Technology, Engineering, Mathematics) discipline, the Natural Resources Associate of Science degree is in line with some of the most critical science topics for the 21st century. With a natural resources degree, career opportunities would include but not be limited to environmental scientist, ecologist, sustainable resource manager, park naturalist, and water or air quality scientist.

NURSING

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Degrees

A.S. Registered Nurse
 A.S. LVN-to-RN Career Ladder

Certificate of Achievement

LVN-to-RN

REGISTERED NURSE ASSOCIATE OF SCIENCE

The Registered Nursing Program is a two-year course of study consisting of both classroom and clinical training. Graduates of the program work as integral members of the healthcare team, providing care and educating clients across the lifespan. Graduates earn the Associate of Science degree and are eligible to sit for the State licensure exam (NCLEX-RN). Prospective students must first complete the required prerequisites and general education requirements before entry to the program. Admission to the program is competitive. For further details on admission criteria, see the Mendocino College Nursing Department webpages.

Required Courses – Prerequisites

Course Number	Course Name	Units
BIO 230	Human Anatomy	5
BIO 231	Human Physiology	5
BIO 259	Microbiology	5
ENGL C1000	Academic Reading and Writing	4

Plus 1 of the following Required Prerequisite Health Courses

Course Number	Course Name	Units
HLH 214	Foods and Nutrition	3
HLH 215	Therapeutic Nutrition	3

Plus 1 of the following Required Prerequisite Psychology Courses

Course Number	Course Name	Units
CDV 200	Child Growth and Development: Conception through Adolescence	3
PSYC C1000	Introduction to Psychology	3
PSYC 210	Psychology of Life Span Development	3

Plus 1 of the following Required Prerequisite ANT/ETH/SOC Courses

Course Number	Course Name	Units
ANT 201	Cultural Anthropology	3
ETH 202	Racial and Ethnic Relations	3
SOC 200	Introduction to Sociology	3
SOC 201	Social Problems	3

Plus 1 of the following Required Prerequisite Speech Courses

Course Number	Course Name	Units
COMM C1000	Introduction to Public Speaking	3
COMM 210	Interpersonal Communication	3

Required Courses – Major

Course Number	Course Name	Units
NUR 52A	Nursing Technical Lab I	1
NUR 52B	Nursing Technical Lab II	1
NUR 52C	Nursing Technical Lab III	1
NUR 52D	Nursing Technical Lab IV	1
NUR 102	Nursing Concepts and Skills I	10
NUR 105	Pharmacology I	1
NUR 112	Nursing Concepts and Skills II	10
NUR 115	Pharmacology II	1
NUR 116	Introduction to Nursing Seminar	1
NUR 121	Leadership and Management I	1
NUR 122	Complex Medical/Surgical Nursing I	8
NUR 125	Pharmacology III	1
NUR 126	Nursing Seminar I	2
NUR 131	Leadership & Management II	1
NUR 132	Complex Medical/Surgical Nursing II	8
NUR 135	Pharmacology IV	1
NUR 136	Nursing Seminar II	2

Total Major Units	51
Total Degree Units	88

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of “C” for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Integrate evidence-based practice, clinical reasoning, and the nursing process to deliver safe, patient-centered care across diverse healthcare settings.
2. Collaborate with patients, families, and interprofessional team members to achieve optimal health outcomes through effective communication and teamwork.
3. Exhibit professional accountability by adhering to ethical, legal, and regulatory standards and the ANA Code of Ethics in all areas of nursing practice.
4. Employ leadership and management principles to delegate, prioritize, and coordinate safe, high-quality care within complex healthcare systems.
5. Utilize information and technology to communicate effectively, manage data, and support sound clinical decision-making that enhances patient outcomes.
6. Promote health and wellness by providing culturally competent education, health promotion, and patient advocacy across the lifespan.
7. Engage in lifelong learning and quality improvement to maintain clinical competence and advance professional nursing practice.

Career Opportunities in NURSING

Completing the associate's degree in nursing can lead to a variety of opportunities. Registered nurses (RNs) can work in a hospital, a clinic, in an extended care facility, as a case manager, in management positions, as a traveling nurse, as a school nurse, as a home health nurse, or as a hospice nurse. Areas of specialization in which nurses can focus include cardiac, obstetrics, emergency trauma, pediatrics, oncology, diabetes care, surgery, general medicine, wound care, geriatrics, and air ambulance. RNs can continue their education and obtain advanced degrees that give them even more career options such as Nurse Practitioner or Nurse Educator. The current job market makes nursing a career with many opportunities and choices.

LVN-TO-RN CAREER LADDER ASSOCIATE OF SCIENCE

The Registered Nursing LVN-to-RN Program is an 18-month course of study consisting of both classroom and clinical training. Graduates of the program work as integral members of the healthcare team, providing care and educating clients across the lifespan. Graduates earn the Associate of Science degree and are eligible to sit for the state licensure exam (NCLEX-RN). Prospective students must first complete required prerequisites and general education requirements before entry to the program. For further details on admission criteria, see the Mendocino College Nursing Department webpages.

Required Courses – Prerequisites

(must be completed by end of semester in which application submitted)

Course Number	Course Name	Units
BIO 230	Human Anatomy	5
BIO 231	Human Physiology	5
BIO 259	Microbiology	5
ENGL C1000	Academic Reading and Writing	4

Plus 1 of the following Required Prerequisite Health Courses

Course Number	Course Name	Units
HLH 214	Foods and Nutrition	3
HLH 215	Therapeutic Nutrition	3

Plus 1 of the following Required Prerequisite Psychology Courses

Course Number	Course Name	Units
CDV 200	Child Growth and Development: Conception through Adolescence	3
PSYC C1000	Introduction to Psychology	3
PSYC 210	Psychology of Life Span Development	3

Plus 1 of the following Required Prerequisite ANT/ETH/SOC Courses

Course Number	Course Name	Units
ANT 201	Cultural Anthropology	3
ETH 202	Racial and Ethnic Relations	3
SOC 200	Introduction to Sociology	3
SOC 201	Social Problems	3

Plus 1 of the following Required Prerequisite Speech Courses

Course Number	Course Name	Units
COMM C1000	Introduction to Public Speaking	3
COMM 210	Interpersonal Communication	3

Required Courses – Major

Course Number	Course Name	Units
NUR 50	LVN-to-RN Transition	1
NUR 52C	Nursing Technical Lab III	1
NUR 52D	Nursing Technical Lab IV	1
NUR 52T	Nursing LVN-to-RN Transition Lab	1
NUR 121	Leadership and Management I	1
NUR 122	Complex Medical/Surgical Nursing I	8
NUR 125	Pharmacology III	1
NUR 126	Nursing Seminar I	2
NUR 131	Leadership & Management II	1
NUR 132	Complex Medical/Surgical Nursing II	8
NUR 135	Pharmacology IV	1
NUR 136	Nursing Seminar II	2

Total Major Units

28

Total Degree Units

65

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Integrate evidence-based practice, clinical reasoning, and the nursing process to deliver safe, patient-centered care across diverse healthcare settings.
2. Collaborate with patients, families, and interprofessional team members to achieve optimal health outcomes through effective communication and teamwork.
3. Exhibit professional accountability by adhering to ethical, legal, and regulatory standards and the ANA Code of Ethics in all areas of nursing practice.
4. Employ leadership and management principles to delegate, prioritize, and coordinate safe, high-quality care within complex healthcare systems.
5. Utilize information and technology to communicate effectively, manage data, and support sound clinical decision-making that enhances patient outcomes.
6. Promote health and wellness by providing culturally competent education, health promotion, and patient advocacy across the lifespan.
7. Engage in lifelong learning and quality improvement to maintain clinical competence and advance professional nursing practice.

Career opportunities in NURSING

Completing the associate's degree in nursing can lead to a variety of opportunities. Registered nurses (RNs) can work in a hospital, a clinic, in an extended care facility, as a case manager, in management positions, as a traveling nurse, as a school nurse, as a home health nurse, or as a hospice nurse. Areas of specialization in which nurses can focus include cardiac, obstetrics, emergency trauma, pediatrics, oncology, diabetes care, surgery, general medicine, wound care, geriatrics, and air ambulance. RNs can continue their education and obtain advanced degrees that give them even more career options such as Nurse Practitioner or Nurse Educator. The current job market makes nursing a career with many opportunities and choices.

LVN-TO-RN CERTIFICATE OF ACHIEVEMENT

The LVN-to-RN Certificate of Achievement is an 18-month course of study consisting of both classroom and clinical training. Graduates of the program work as integral members of the healthcare team, providing care and educating clients across the lifespan. The LVN-to-RN Certificate of Achievement is designed to provide California Licensed Vocational Nurses the classroom and clinical training necessary to be eligible for the National Council Licensing Examination (NCLEX). Students who take the NCLEX-RN after completing a certificate program, such as this (as opposed to a degree program) may not be able to practice as an RN outside the State of California. Prospective students must first complete required prerequisites before entry to the program. Prospective students must meet with the Nursing Program Director prior to application to discuss limitations of the RN role for 30-unit option nurses. Admission to the program is competitive. For further details on admission criteria, see the Mendocino College Nursing Department webpages.

Required Courses – Prerequisites

(must be completed by end of semester in which application submitted)

Course Number	Course Name	Units
BIO 231	Human Physiology	5
BIO 259	Microbiology	5

Required Courses – Major

Course Number	Course Name	Units
NUR 50	LVN-to-RN Transition	1
NUR 52C	Nursing Technical Lab III	1
NUR 52D	Nursing Technical Lab IV	1
NUR 52T	Nursing LVN-to-RN Transition Lab	1
NUR 121	Leadership and Management I	1
NUR 122	Complex Medical/Surgical Nursing I	8
NUR 125	Pharmacology III	1
NUR 126	Nursing Seminar I	2
NUR 131	Leadership & Management II	1
NUR 132	Complex Medical/Surgical Nursing II	8
NUR 135	Pharmacology IV	1
NUR 136	Nursing Seminar II	2

Total units required for Certificate

28

Program Level Student Learning Outcomes:

1. Integrate evidence-based practice, clinical reasoning, and the nursing process to deliver safe, patient-centered care across diverse healthcare settings.
2. Collaborate with patients, families, and interprofessional team members to achieve optimal health outcomes through effective communication and teamwork.
3. Exhibit professional accountability by adhering to ethical, legal, and regulatory standards and the ANA Code of Ethics in all areas of nursing practice.
4. Employ leadership and management principles to delegate, prioritize, and coordinate safe, high-quality care within complex healthcare systems.
5. Utilize information and technology to communicate effectively, manage data, and support sound clinical decision-making that enhances patient outcomes.
6. Promote health and wellness by providing culturally competent education, health promotion, and patient advocacy across the lifespan.
7. Engage in lifelong learning and quality improvement to maintain clinical competence and advance professional nursing practice.

This Certificate Program does not lead to an Associate in Science Degree in Registered Nursing. It entitles the graduate to take the examination for licensure as a Registered Nurse, and to practice only in the State of California. This Certificate Program is required by regulation; however, neither the College, the BRN, nor employers consider it to be the best way to prepare students for the realities and demands of the nursing profession.

Career Opportunities in NURSING

Completing the certificate of achievement in nursing can lead to a variety of opportunities. Nurses with this certificate can work in a hospital, a clinic, in an extended care facility, as a case manager, in management positions, as a traveling nurse, as a school nurse, as a home health nurse, or as a hospice nurse. Areas of specialization in which nurses can focus include cardiac, obstetrics, emergency trauma, pediatrics, oncology, diabetes care, surgery, general medicine, wound care, geriatrics, and air ambulance. Students who complete the LVN-RN 30-Unit Option certificate program, (as opposed to the degree program) may not be able to practice as a nurse outside the state of California or be accepted to advanced nursing education programs (such as BSN programs).

PHYSICAL THERAPIST ASSISTANT

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 Joe Munoz • 707.467.1064

Degrees

A.S. Physical Therapist Assistant

ACCREDITATION STATUS

The Physical Therapist Assistant Program at Mendocino College is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 3030 Potomac Ave., Suite 100, Alexandria, Virginia 22305-3085; telephone: 703-706-3245; email: accreditation@apta.org; website: <http://www.capteonline.org>. If needing to contact the program or the institution directly, please call 707-467-1057 or email PTA@mendocino.edu.

PHYSICAL THERAPIST ASSISTANT ASSOCIATE OF SCIENCE

The Physical Therapist Assistant Program is designed to prepare graduates to meet the requirements to practice as a physical therapist assistant in a variety of health care settings. The student is awarded an Associate of Science degree upon successful completion of the program. The program is competency-based and provides sequential learning experiences progressing from theoretical to applied using patient simulations in the laboratory and finally to actual patient treatments in clinical education centers. The Physical Therapist Assistant Program is a total of 81 credit-hours, including general education requirements, and can be completed in six semesters. The program has four semesters of technical coursework (45 credit-hours) preceded by two pre-requisite semesters. Included within the technical courses are two clinical education experiences. Students will complete theory classes online and attend lab classes on campus. Graduation from the program qualifies the student for examination for the National Physical Therapy Exam (NPTE) for Physical Therapist Assistants administered by The Federal of State Boards of Physical Therapy (FSBPT). After successful completion of the examination and all requirements of the Physical Therapy Board of California, graduates may be licensed to work as physical therapist assistants in California.

Required Courses – Prerequisites

Course Number	Course Name	Units
BIO 230	Human Anatomy	5
BIO 231	Human Physiology*	5
ENGL C1000	Academic Reading and Writing	4
KIN 200	Introduction to Kinesiology	3
PTA 100	Introduction to Physical Therapy	1

Required Courses – Major

Course Number	Course Name	Units
PTA 101	Physical Therapy Practice for the PTA	2
PTA 102	Pathology	3
PTA 103	Patient Care Skills Theory	2
PTA 103L	Patient Care Skills Lab	1.5
PTA 104	Clinical Kinesiology Theory	2
PTA 104L	Clinical Kinesiology Lab	1.5
PTA 105	Therapeutic Exercise Theory	2
PTA 105L	Therapeutic Exercise Lab	1.5
PTA 106	Therapeutic Agents Theory	2
PTA 106L	Therapeutic Agents Lab	0.5
PTA 107	Orthopedic Management Theory	2
PTA 107L	Orthopedic Management Lab	1
PTA 108	Neurology and Development Theory	2
PTA 108L	Neurology and Development Lab	1
PTA 109	Neurologic Management Theory	2

Course Number	Course Name	Units
PTA 109L	Neurologic Management Lab	1
PTA 110	Advanced Procedures Theory	2
PTA 110L	Advanced Procedures Lab	1
PTA 111	Professional Integration	2
PTA 118	Clinical Development	1
PTA 121	Clinical Practicum I	6
PTA 122	Clinical Practicum II	6

Total Major Units **45**

Total Degree Units **81**

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Work under the supervision of a physical therapist in an ethical, legal, and competent manner.
2. Demonstrate the ability to promote optimal outcomes for patients by competently performing assessment techniques and treatment interventions from within the physical therapist's plan of care.
3. Recognize the relationship between concepts learned from liberal arts and basic science coursework and physical therapy knowledge and skills.
4. Demonstrate effective oral, written, and nonverbal communication in a culturally competent manner with patients and their families, colleagues, and other health care providers.
5. Demonstrate a commitment to professional growth and lifelong learning.

Career Opportunities in PHYSICAL THERAPIST ASSISTANT

Completing the Physical Therapist Assistant Associate of Science can lead to a variety of opportunities. Following graduation and successful completion of the licensure exam, physical therapist assistants (PTAs) can work in a wide variety of healthcare settings to provide physical therapy services under the supervision of a licensed physical therapist.

POLITICAL SCIENCE

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Degrees

A.A.-T Political Science

ASSOCIATE IN ARTS IN POLITICAL SCIENCE FOR TRANSFER

The Political Science major will provide students with a framework for understanding political theories, institutions, and processes. Students develop skills for critically evaluating issues and applying appropriate research methodologies for understanding political behavior. The Associate in Arts in Political Science for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Political Science or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements. Please check with a counselor for more specific transfer information.

Required Courses – Major

Course Number	Course Name	Units
POLS C1000	American Government and Politics	3
POLS 201	Comparative Politics	3
POLS 202	Political Theory	3

Plus 6 additional units selected from the following

Course Number	Course Name	Units
POLS 203	International Relations	3
POLS 205	Native Americans and the U.S. Political System	3
POLS 206	Women in American Politics	3
STAT C1000	Introduction to Statistics	4

Plus 3 additional units selected from the following, or any course not used above

Course Number	Course Name	Units
ECON C2002	Principles of Macroeconomics	3
HIST C1001	United States History to 1877	3
HIST C1002	United States History since 1865	3
HIST 206	World History Since 1500	3
HIST 221	California History	3
HIST 250	Contemporary America: The People and the Issues	3
POLS 197	Political Science Internship	1 - 8
PSYC 250	Research Methods in Psychology	3
SOC 201	Social Problems	3

Total Major Units	18 – 19
Total Degree Units	60

Program Level Student Learning Outcomes:

1. Describe the structure, role, and processes of key U.S. and international political entities and institutions.
2. Explain and critically evaluate various theoretical approaches to understanding politics and government.
3. Identify and discuss the most significant people and events in the history of U.S. and international politics.
4. Recognize and examine the influence of race, ethnicity and gender, as well as cultural, socio-economic, and cross-national contexts on political process and outcomes.
5. Collect, organize and evaluate information to describe and debate important political issues and events.

Career Opportunities in POLITICAL SCIENCE

Completing the Associate of Arts in Political Science for Transfer can lead to a variety of opportunities, including Attorney, Public Administrator, Researcher/Policy Analyst, Pollster, Lobbyist, Government Relations Manager, Activist/Organizer, Campaign Manager/Consultant, Elected Official, Teacher/Professor, Journalist, Communications Director, Mediator, Foreign Service or Intelligence Officer, Civil Service Executive, Labor Relations Specialist.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

PSYCHOLOGY

Fernando Calderon • 707.468.3135
Dena Watson-Krasts • 707.621.6427

Degrees

A.A.-T Psychology
A.A. Psychology

ASSOCIATE IN ARTS IN PSYCHOLOGY FOR TRANSFER

Psychology is defined as the scientific study of human behavior (including thoughts and emotions). The many and varied courses and areas of study in the Psychology Program provide a deeper understanding of the complexities of one's own behavior; the behavior of family, friends, and co-workers; and the interactions among diverse people and groups. The Associate in Arts in Psychology for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Psychology or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements.

Required Courses – Major

Course Number	Course Name	Units
PSYC C1000 *	Introduction to Psychology	3
PSYC 250	Research Methods in Psychology	3
STAT C1000 *	Introduction to Statistics	4

Plus 3 additional units selected from the following

Course Number	Course Name	Units
BIO 200	Concepts of Biology	3
PSYC 255	Introduction to Psychobiology	3

Plus 3 additional units selected from the following, or any course not used above

Course Number	Course Name	Units
PSYC 210	Psychology of Life Span Development	3
PSYC 216	Social Psychology	3

Plus 3 additional units selected from the following, or any course not used above

Course Number	Course Name	Units
PSYC 206	Human Sexuality	3
PSYC 208	Psychology of Loss and Death	3
PSYC 212	Personality Theories	3
PSYC 218	Abnormal Psychology	3
PSYC 220	Psychology of Gender	3
PSYC 225	Psychology of Personal and Social Adjustment	3
PSYC 290	Introduction to the Counseling Profession	3

* Prerequisite for PSYC 250

Total Major Units **19**

Total Degree Units **60**

Program Level Student Learning Outcomes:

1. Analyze the strengths and weaknesses of the fundamental theories of theoretical human behavior (e.g., psychoanalytic, behavioral, cognitive, and humanistic).
2. Justify that Psychology is a science, apply scientific principles to evaluate and analyze human behavior.
3. Compare individual characteristics with theories of development and behavior, based on personal experiences, cultural influences and gender identification.
4. Compare and contrast the environmental and biological factors that influence mental health and wellness.
5. Determine and implement psychological principles to enhance mental health and wellness, personal growth, communication and social interactions.

Career Opportunities in PSYCHOLOGY

Completing the baccalaureate degree or graduate level work can lead to a variety of opportunities such as, social worker; counselor in a wide variety of areas; teacher; therapist; criminal justice worker; rehabilitation therapist; mental health care provider; sexuality educator; and many other job and career options.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

PSYCHOLOGY ASSOCIATE OF ARTS

The Psychology major leads to an Associate of Arts Degree in Psychology. Psychology is defined as the scientific study of human behavior (including thoughts and emotions). The many and varied courses and areas of study in the Psychology Program provide a deeper understanding of the complexities of one's own behavior; the behavior of family, friends, and co-workers; and the interactions among diverse people and groups. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete the Cal-GETC pattern.

Required Courses – Major

Course Number	Course Name	Units
PSYC C1000	Introduction to Psychology	3
PSYC 206	Human Sexuality	3
or PSYC 220	Psychology of Gender	3
PSYC 250	Research Methods in Psychology	3

Plus 9 additional units selected from the following courses not used above

Course Number	Course Name	Units
PSYC 206	Human Sexuality	3
PSYC 208	Psychology of Loss and Death	3
PSYC 210	Psychology of Life Span Development	3
PSYC 212	Personality Theories	3
PSYC 216	Social Psychology	3
PSYC 218	Abnormal Psychology	3
PSYC 220	Psychology of Gender	3
PSYC 225	Psychology of Personal and Social Adjustment	3
PSYC 255	Introduction to Psychobiology	3
PSYC 290	Introduction to the Counseling Profession	3

Total Major Units

18

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Define and use the major concepts, theoretical perspectives (i.e., psychoanalytic, behavioral, cognitive, and humanistic), empirical findings, and historical trends in psychology.
2. Apply psychological principles and an understanding of various theories to enhance mental and physical health, personal growth, effectiveness of interpersonal communication, and social interactions.
3. Articulate the biological processes underlying behavior including the interconnectedness of physical health and mental wellbeing.

Career Opportunities in PSYCHOLOGY

Completing an Associates of Arts (AA) in Psychology can lead to a variety of employment in various fields including human services, criminal justice, human resources, social work, and mental health. Career opportunities include Career Counselor, Case Manager, Childcare Worker, Educational Aide, Laboratory Assistant, Market Researcher, Psychiatric Technician, Probation and Parole Officer, Rehabilitation Specialist, Human Resource Specialist, and Social Service Specialists.

REAL ESTATE

Office of Instruction • 707.468.3002

Degrees

A.S. Real Estate

Certificate of Achievement

Real Estate

REAL ESTATE ASSOCIATE OF SCIENCE

The Real Estate Associate (A.S.) Degree prepares the student for a career in such fields as real estate sales, land development, real estate marketing, finance, mortgage lending, appraisal, escrow, and property management. The course requirements satisfy the educational requirements for both the real estate broker's license and the salesperson's license and provide continuing education requirements as prescribed by the California Department of Real Estate.

Required Courses – Major

Course Number	Course Name	Units
BUS 151	Introduction to Marketing	3
BUS 230	Introduction to Business	3
RLS 160	Real Estate Principles	3
RLS 161	Real Estate Practices	3
RLS 162	Real Estate Appraisal	3
RLS 163	Real Estate Finance	3
RLS 164	Legal Aspects of Real Estate	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
BUS 50	Mathematical Applications in Business	3
BUS 111	Federal Tax Accounting	3
BUS 136	Introduction to Management	3
BUS 212	The Legal Environment of Business	3
RLS 65	Fundamentals of Home Inspections	1
RLS 73	Real Estate Financial Calculations	0.5
RLS 74	Real Estate Licensing Preparation	1
RLS 167	Real Estate Economics	3
RLS 170	Property Management	3
RLS 172	Real Estate Investments	3

Total Major Units

24

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of "C" for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Use in-depth knowledge of California Real Estate principles and laws to successfully complete licensure requirements for licensee and broker.
2. Satisfy Department of Real Estate's and Office of Real Estate Appraisers' educational requirements for state licensing.

PROGRAMS

3. Identify and apply California real estate laws to a variety of real property transactions, including sales, inspections, mortgage loan originations and mortgage processing.
4. Demonstrate the ability to communicate effectively and ethically with the principals involved in a real property transaction.
5. Describe the necessary skills required for marketing and negotiating real estate transactions.

Career Opportunities in REAL ESTATE

Completing the Real Estate Associate (A.S.) Degree Program can lead to a variety of opportunities. These include careers in residential and commercial real estate sales, real estate appraisal, land development, and residential and commercial real property management. It can also include working in the fields of escrow and title insurance, as a mortgage loan officer, or other positions in real estate finance.

REAL ESTATE CERTIFICATE OF ACHIEVEMENT

The Real Estate Certificate of Achievement program prepares a student for a career in real estate sales, land development, real estate marketing, finance, mortgage lending, appraisal, escrow, and property management. The course requirements satisfy the educational requirements for both real estate broker's license and salesperson's continuing education requirements as prescribed by the California Department of Real Estate.

Required Courses

Course Number	Course Name	Units
BUS 151	Introduction to Marketing	3
BUS 230	Introduction to Business	3
RLS 160	Real Estate Principles	3
RLS 161	Real Estate Practices	3
RLS 162	Real Estate Appraisal	3
RLS 163	Real Estate Finance	3
RLS 164	Legal Aspects of Real Estate	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
BUS 50	Mathematical Applications in Business	3
BUS 111	Federal Tax Accounting	3
BUS 136	Introduction to Management	3
BUS 212	The Legal Environment of Business	3
RLS 65	Fundamentals of Home Inspections	1
RLS 73	Real Estate Financial Calculations	0.5
RLS 74	Real Estate Licensing Preparation	1
RLS 167	Real Estate Economics	3
RLS 170	Property Management	3
RLS 172	Real Estate Investments	3

Total units required for Certificate

24

Program Level Student Learning Outcomes:

1. Use in-depth knowledge of California Real Estate principles and laws to successfully complete licensure requirements for licensee and broker.
2. Identify and apply California real estate laws to a variety of real property transactions, including sales, inspections, mortgage loan originations, and mortgage processing.
3. Demonstrate the ability to communicate effectively and ethically with the principals involved in a real property transaction.
4. Describe the necessary skills required for marketing and negotiating real estate transaction.
5. Satisfy Department of Real Estate and office of Real Estate Appraisers educational requirements for state licensing.

Career Opportunities in REAL ESTATE

Obtaining the Real Estate Certificate of Achievement Program can lead to a variety of opportunities. These include careers in residential and commercial real estate sales, real estate appraisal, land development, and residential and commercial real property management. It can also include working in the fields of escrow and title insurance, as a mortgage loan officer, or other positions in real estate finance.

SOCIAL JUSTICE

Vivian Varela • 707.467.1024

Degrees

A.A.-T Social Justice Studies for Transfer (Ethnic Studies)
A.A.-T Social Justice Studies for Transfer (General Studies)

ASSOCIATE IN ARTS IN SOCIAL JUSTICE STUDIES FOR TRANSFER (ETHNIC STUDIES)

Social Justice Studies (Ethnic Studies) is an interdisciplinary program with a focus on equity and social change. The Associate in Arts in Social Justice Studies for Transfer (Ethnic Studies) (AA-T) degree at Mendocino College prepares students for seamless transfer into Ethnic Studies, Social Justice Studies, and related majors in the CSU system. Students who choose to major in Social Justice Studies and related fields have a wide range of career options: activists, community organizers, public policy analysts, conflict resolution specialists, human relations workers, NGO workers, human rights groups, political campaigners, workers in environmental organizations, alternative media, human rights groups, political campaigns, religious organizations, international agencies, mediators, rights advocates, journalists, lobbyists, and community organizers. Most careers require more than an Associate degree.

Required Courses – Major

Course Number	Course Name	Units
ETH 202	Racial and Ethnic Relations	3
ETH 235	Mexican American Culture	3
SOC 203	Introduction to LGBTQ+ Studies	3

Plus 9 additional units selected from at least two of the following areas

Area 1: History or Government

Course Number	Course Name	Units
HIST 207	Mexican American History	3
HIST 209	African American History	3
HIST 222	Native American History	3

Area 2: Arts and Humanities

Course Number	Course Name	Units
ARTH 206	Introduction to Native American Art	3
MUS 208	Music in World Culture	3

Area 3: Social Science

Course Number	Course Name	Units
ETH 241	Pacific Coast Indian Cultures	3
POLS 205	Native Americans and the U.S. Political System	3
SOC 200	Introduction to Sociology	3
SOC 201	Social Problems	3

Area 4: Quantitative Reasoning and Research Methods

Course Number	Course Name	Units
STAT C1000	Introduction to Statistics	4

Total Major Units

18 – 19

Total Degree Units

60

Program Level Student Learning Outcomes:

1. Evaluate and critically analyze social and environmental justice efforts/practices that address inequalities in communities and environments.
2. Establish conceptual linkages between empirical data and theoretical concepts.
3. Demonstrate reflexivity and praxis from varying frameworks of justice.

Career Opportunities in SOCIAL JUSTICE STUDIES

Students who choose to major in Social Justice Studies and related fields have a wide range of career options: activists, community organizers, public policy analysts, conflict resolution specialists, human relations workers, NGO workers, human rights groups, political campaigners, workers in environmental organizations, alternative media, human rights groups, political campaigns, religious organizations, international agencies, mediators, rights advocates, journalists, lobbyists, and community organizers. Most careers require more than an Associate degree.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

ASSOCIATE IN ARTS IN SOCIAL JUSTICE STUDIES FOR TRANSFER (GENERAL STUDIES)

Social Justice Studies is an interdisciplinary program with a focus on equity and social change. The Associate in Arts in Social Justice Studies for Transfer (AA-T) degree at Mendocino College prepares students for seamless transfer into Ethnic Studies, Gender Studies, Social Justice Studies, and related majors in the CSU system. Students who choose to major in Social Justice Studies and related fields have a wide range of career options: activists, community organizers, public policy analysts, conflict resolution specialists, human relations workers, NGO workers, human rights groups, political campaigners, workers in environmental organizations, alternative media, human rights groups, political campaigns, religious organizations, international agencies, mediators, rights advocates, journalists, lobbyists, and community organizers. Most careers require more than an Associate degree.

Required Courses – Major

Course Number	Course Name	Units
ETH 202	Racial and Ethnic Relations	3
SOC 200	Introduction to Sociology	3
SOC 203	Introduction to LGBTQ+ Studies	3

Plus 9 additional units selected from at least two of the following areas

Area 1: History or Government

Course Number	Course Name	Units
HIST 207	Mexican American History	3
HIST 208	Women in American History	3
HIST 222	Native American History	3

Area 2: Social Science

Course Number	Course Name	Units
COMM 211	Intercultural Communication	3
SOC 201	Social Problems	3

Area 3: Quantitative Reasoning and Research Methods

Course Number	Course Name	Units
STAT C1000	Introduction to Statistics	4

Total Major Units **18 – 19**

Total Degree Units **60**

Program Level Student Learning Outcomes:

1. Evaluate and critically analyze social and environmental justice efforts/practices that address inequalities in communities and environments.
2. Establish conceptual linkages between empirical data and theoretical concepts.
3. Demonstrate reflexivity and praxis from varying frameworks of justice.

Career Opportunities in SOCIAL JUSTICE STUDIES

Students who choose to major in Social Justice Studies and related fields have a wide range of career options: activists, community organizers, public policy analysts, conflict resolution specialists, human relations workers, NGO workers, human rights groups, political campaigners, workers in environmental organizations, alternative media, human rights groups, political campaigns, religious organizations, international agencies, mediators, rights advocates, journalists, lobbyists, and community organizers. Most careers require more than an Associate degree.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of “C” (or “P”) for each course in the major, and
- Completion of Cal-GETC.

SOCIOLOGY

Vivian Varela • 707.467.1024

Degrees

A.A.-T Sociology

ASSOCIATE IN ARTS IN SOCIOLOGY FOR TRANSFER

Sociology is a social science that involves the systematic study of the social lives of people, groups, and societies as well as the study of our behavior as social beings, covering everything from the analysis of short contacts between anonymous individuals on the street to the study of global social processes. The Associate in Arts in Sociology for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Sociology or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements.

Required Courses – Major

Course Number	Course Name	Units
SOC 200	Introduction to Sociology	3
SOC 201	Social Problems	3
STAT C1000	Introduction to Statistics	4

Plus 6 additional units selected from the following

Course Number	Course Name	Units
ETH 202	Racial and Ethnic Relations	3
SOC 203	Introduction to LGBTQ+ Studies	3
PSYC 250	Research Methods in Psychology	3

Plus 3 additional units selected from the following, or any course not used above

Course Number	Course Name	Units
ADJ 200	Introduction to Administration of Justice	3
ANT 201	Cultural Anthropology	3
ETH 235	Mexican American Culture	3
ETH 241	Pacific Coast Indian Cultures	3

Total Major Units **19**

Total Degree Units **60**

Program Level Student Learning Outcomes:

1. Compare and contrast the differences between a qualitative research study and a quantitative research study.
2. Recognize the relationship between personal agency, social responsibility, and social change (sociological imagination).
3. Compare and contrast the three main theoretical paradigms in sociology and analyze social phenomena from these different perspectives.

Career Opportunities in SOCIOLOGY

Completing the baccalaureate degree or graduate level work can lead to a variety of opportunities including teaching, journalism, law, business, communications, non-profit management, corrections/law enforcement, social work, counseling, urban planning, public service, and politics.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

SPANISH

Valentina Velázquez-Zvierkova • 707.468.3019

Degrees

A.A.-T Spanish

ASSOCIATE IN ARTS IN SPANISH FOR TRANSFER

Studying a language other than one's native tongue improves the ability to communicate, expand general knowledge, and promote appreciation for other cultures. Students completing the Associate in Arts for Transfer in Spanish will be able to communicate in Spanish with native speakers, and develop cultural awareness and understanding of Spanish-speaking cultures. Students will be prepared to pursue a degree in a four-year institution while enhancing their job skills for different career fields. The Associate in Arts in Spanish for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Spanish or similar major. Priority admission with junior status to the CSU system will be granted. As with all programs, students who intend to transfer to a four-year institution should research the transfer institutions' requirements.

Required Courses – Major

Course Number	Course Name	Units
SPN 200	Elementary Spanish: Level I	4
SPN 201	Elementary Spanish: Level II	4
SPN 202	Intermediate Spanish: Level III	4
or SPN 210	Spanish for Spanish Speakers: Level I	4
SPN 203	Intermediate Spanish: Level II	4
or SPN 211	Spanish for Spanish Speakers: Level II	4

Plus 3 additional units selected from the following

Course Number	Course Name	Units
ETH 235	Mexican American Culture	3
HIST 220	Mexican History	3
SPN 212	Spanish Language and Culture through Cinema	4

Students who test out of courses in the required major section can choose courses from the following list to reach 19 units or choose from the courses listed above.

Course Number	Course Name	Units
ANT 201	Cultural Anthropology	3
ASL 200	Elementary American Sign Language: Level I	3
ASL 201	Elementary American Sign Language: Level II	3
COMM 211	Intercultural Communication	3
ETH 202	Racial and Ethnic Relations	3
GEO 201	Cultural Geography	3
HIST 207	Mexican American History	3
ITA 200	Elementary Italian: Level I	4
ITA 201	Elementary Italian: Level II	4
SOC 200	Introduction to Sociology	3

Total Major Units

19 – 20

Total Degree Units

60

Program Level Student Learning Outcomes:

1. Discuss appropriately on the cultural diversity of Spanish speakers in Latin America and Spain, and Latinos in the US.
2. Identify and compare various aspects of the Spanish-speaking world, including cultural norms, linguistic varieties, values, histories, customs, and events, across different Spanish-speaking regions.
3. Identify phrases, idiomatic expressions, and ideas, and interpret complex arguments in oral speech in a variety of situations and contexts.
4. Express ideas orally in Spanish in a wide range of concrete and abstract topics in both spontaneous conversation and formal presentations using accurate grammar, appropriate vocabulary, and comprehensible pronunciation.
5. Interpret and discuss written texts and distinguish their basic elements in a variety of formats, including personal and professional correspondence, news reports, non-fiction articles, and short literary works.
6. Organize, compose, and edit clear, detailed texts in a variety of formats and on a wide range of subjects using accurate Spanish structures and appropriate vocabulary.

Career Opportunities in SPANISH

Students completing the baccalaureate degree or graduate work will have an advantage in today's competitive global market, as they can demonstrate ability to work in a culturally diverse environment and possess strong communication skills in Spanish. Proficiency in more than one language enhances students' occupational opportunities in education, communications, media, journalism, international relations, business, law, healthcare, technology, the military, government, and public service.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

STEM

Office of Instruction • 707.468.3002

Certificate of Achievement

STEM

STEM (Science, Technology, Engineering, and Math) CERTIFICATE OF ACHIEVEMENT

In today's rapidly evolving world, STEM education forms the backbone of innovation, economic growth, and future career opportunities. The Certificate of Achievement in STEM (Science, Technology, Engineering and Mathematics) Preparation provides students with a solid foundation towards an academic or technical career in STEM, offering course prerequisites to, or part of, existing program core courses. Students receiving this certificate will gain an understanding of career choices, especially in STEM-oriented areas, and the knowledge needed to make an informed decision about embracing the pathways leading to an advanced degree and a career in a STEM field.

Required Courses

Course Number	Course Name	Units
MTH 121	Trigonometry	4
MTH 200	Precalculus Mathematics	5
SCI 200	Exploration of STEM Fields and Careers	1

Plus 7 - 9 additional units selected from the following

Course Number	Course Name	Units
BIO 200	Concepts to Biology	3
CHM 200	Introduction to Chemistry	5
CSC 220	Introduction to Computer Science	4
PHY 202	Introductory Physics	4

Total units required for Certificate

17 - 19

Program Level Student Learning Outcomes:

1. Demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical and scientific ideas.
2. Use appropriate technology, exercise problem-solving strategies, use the scientific method, and judge the reasonableness of their results.
3. Describe opportunities in STEM and identify degree requirements for a career in a selected STEM field.

Career Opportunities in STEM

A degree in a STEM field can lead to a variety of different jobs and career paths such as data science, machine learning, and artificial intelligence; scientific, and technical consulting; mathematical and scientific research and development; medicine, bioinformatics, ecology, higher education, law and public policy development; economics, finance, and actuarial science.

SUSTAINABLE CONSTRUCTION & ENERGY TECHNOLOGY

Noel Woodhouse • 707.468.3224

Certificate of Achievement

SC&ET – Construction
SC&ET – Renewable Energy
SC&ET – Building Efficiency and Performance

Certificates of Completion

Introduction to the Construction Trades

SUSTAINABLE CONSTRUCTION & ENERGY TECHNOLOGY – BUILDING EFFICIENCY & PERFORMANCE CERTIFICATE OF ACHIEVEMENT

This certificate combines competencies in sustainability, residential efficiency, and heating and cooling. The combination of these competencies prepares students for emerging opportunities in building performance auditing, retrofitting, and efficient heating and cooling. Students completing this certificate will be well positioned to gain employment or start a business in fields such as efficiency upgrade retrofitting, building performance auditing, HVAC, and related trades.

Required Courses

Course Number	Course Name	Units
SCT 162	Safety Standards for Construction	1
SCT 164	Construction Documents I - Understanding Blueprints	3
SCT 180A	Construction Fundamentals and Green Building	3
SCT 193	Building Performance and Weatherization	3
SCT 194	Efficient Heating and Cooling	3
SCT 200	Sustainability Overview	3
WEE 196	Work Experience Education	0.5 - 14

Total units required for Certificate

16.5 – 30

Program Level Student Learning Outcomes:

1. Define concepts and principles of sustainability and explain their relation to the technical trades and related career opportunities.
2. Demonstrate applied technical ability in Building Efficiency and Performance.

Career Opportunities in SUSTAINABLE CONSTRUCTION & ENERGY TECHNOLOGY

Completing the Sustainable Construction & Energy Technology - Building Efficiency and Performance Certificate of Achievement can lead to a variety of opportunities. These include careers in retrofitting, building performance auditing, efficient heating and cooling, HVAC, and related trades.

SUSTAINABLE CONSTRUCTION & ENERGY TECHNOLOGY – CONSTRUCTION CERTIFICATE OF ACHIEVEMENT

This certificate combines competencies in green building, clean technology, sustainability, and construction trade skills. The combination of these competencies prepares students for emerging opportunities in modern construction and residential remodeling and retrofitting. Students completing this certificate will be well positioned to gain employment in fields such as green building, remodeling, and related trades.

Required Courses

Course Number	Course Name	Units
SCT 162	Safety Standards for Construction	1
SCT 164	Construction Documents I - Understanding Blueprints	3
SCT 166	Introduction to Construction Management	2
SCT 180A	Construction Fundamentals and Green Building	3
SCT 180B	Advanced Construction Fundamentals	3
SCT 200	Sustainability Overview	3
WEE 196	Work Experience Education	1 - 14

Total units required for Certificate

16 – 29

Program Level Student Learning Outcomes:

1. Explain the process of building from the ground up and discuss the various trades involved in each step of the building process.
2. Define concepts and principles of sustainability and explain their relation to the technical trades and related career opportunities.
3. Practice appropriate workplace etiquette.
4. Demonstrate how to safely use basic hand and power tools.

Career Opportunities in SUSTAINABLE CONSTRUCTION & ENERGY TECHNOLOGY

Completing the Sustainable Construction & Energy Technology - Construction Certificate of Achievement can lead to a variety of opportunities. These include careers in green building, residential remodeling and retrofitting, and related trades.

SUSTAINABLE CONSTRUCTION & ENERGY TECHNOLOGY RENEWABLE ENERGY CERTIFICATE OF ACHIEVEMENT

This certificate combines competencies in sustainability and renewable energy technical skills. The combination of these competencies prepares students for emerging opportunities in the rapidly expanding renewable energy sector. Students completing this certificate will be well positioned to gain employment or start a business in fields such as photovoltaic design and installation.

Required Courses

Course Number	Course Name	Units
SCT 162	Safety Standards for Construction	1
SCT 164	Construction Documents I - Understanding Blueprints	3
SCT 180A	Construction Fundamentals and Green Building	3
SCT 186	Introduction to Residential Electrical Systems	3
SCT 190A	Introduction to Photovoltaics (Solar)	3
SCT 190B	Advanced Photovoltaics	3
SCT 200	Sustainability Overview	3
WEE 196	Work Experience Education	0.5 - 14

Total units required for Certificate

19.5 – 33

Program Level Student Learning Outcomes:

1. Define concepts and principles of renewable energy and explain their relation to the technical trades and related career opportunities.
2. Demonstrate applied technical ability in photovoltaic design and installation.
3. Define concepts and principles of sustainability and explain their relation to the technical trades and related career opportunities.

Career Opportunities in SUSTAINABLE CONSTRUCTION & ENERGY TECHNOLOGY

Completing the Sustainable Construction & Energy Technology - Renewable Energy Certificate of Achievement can lead to a variety of opportunities. These include careers in photovoltaic design and installation, renewable energy, and related trades.

INTRODUCTION TO THE CONSTRUCTION TRADES CERTIFICATE OF COMPLETION

The Introduction to the Construction Trades Certificate of Completion combines an overview of the building trades and construction math with industry relevant certificates, including OSHA 10 and basic First Aid/CPR/AED certificates. The combined coursework is intended to prepare students to enter the building trades with basic technical skills, skills in construction math, as well as a clear understanding of jobsite safety and the soft skills required to advance their careers in the building trades. Students completing this certificate will be well positioned to gain entry level employment, in new and remodel construction, in addition to specialty trades such as plumbing, electrical, building efficiency and retrofitting.

Required Courses

Course Number	Course Name	Hours
EMS 550	Community First Aid/CPR/AED	8.5
SCT 500	Introduction to the Construction Trades	42.5
SCT 505	Introduction to the Construction Trades Lab	42.5
SCT 540	Construction Math A	17
SCT 562	Safety Standards for Construction	17

Plus 1 additional course selected from the following

Course Number	Course Name	Hours
SCT 515	Fork and Scissor Lift Basics	8.5
SCT 541	Construction Math B	17

Total hours

136 – 144.5

Program Level Student Learning Outcomes Required:

1. Explain the construction process and describe the various technical trades and skills required in the construction process.
2. Solve construction related problems and materials estimation by applying apply basic mathematical principles.
3. Discuss construction safety concepts and demonstrate best practices related to construction job sites, including around equipment; demonstrate competency in community First Aid/CPR/AED.
4. Demonstrate applied understanding of soft skills required for construction jobsites, including verbal and non-verbal communication, willingness to learn and cooperate, planning and organization, persistence in problem solving, and actively listen to instructions.
5. Have acquired necessary skills to gain employment in the construction industry.

THEATRE ARTS

Lucas Vergrugghe • 707.468.3172

Stephen Decker • 707.468.3153

Degrees

A.A.-T Theatre Arts

A.A. Theatre Arts – Theatre

A.A. Theatre Arts – Dance

Certificates of Achievement

Technical Theatre

ASSOCIATE IN ARTS IN THEATRE ARTS FOR TRANSFER

Through study in Theatre Arts and through completion of the college's Associate in Arts in Theatre Arts for Transfer, students develop the ability to participate in the creation and performance of live theatre. In addition, students learn to analyze performances in the context of theatre history, theory and practice. Fully staged productions in the college's two theatres supplement the studio and lecture classes. The program emphasizes the importance of creative collaboration and effective interpersonal communication. The program strives to develop, nurture and train future generations of theatre artists, as well as students who may apply their theatre studies in a variety of other academic areas and careers. The Associate in Arts in Theatre Arts for Transfer is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Theatre Arts or similar major. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements.

Required Courses – Major

Course Number	Course Name	Units
THE 200	Introduction to Theatre	3
THE 210B	Beginning Acting	3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
THE 220A	Acting Performance I	3
THE 225A	Production Crew I	1 - 2
THE 225B	Production Crew II	1 - 2
THE 225C	Production Crew III	1 - 2

Plus 9 additional units selected from the following courses not used above

Course Number	Course Name	Units
THE 202	Dramatic Literature and Script Analysis	3
THE 210C	Intermediate Acting: Scene Study	3
or THE 210D	Acting Styles	3
THE 208A	Stagecraft I	3
THE 216A	Stage Lighting I	3
THE 217A	Costume Construction I	3
THE 220A	Acting Performance I	3
THE 225A	Production Crew I	1 - 2
THE 225B	Production Crew II	1 - 2
THE 225C	Production Crew III	1 - 2

Total Major Units

18

Total Degree Units

60

PROGRAMS

Program Level Student Learning Outcomes:

1. Express ideas and feelings creatively through the creation of theatre performances.
2. Understand the history of theatre within the context of various cultural traditions.
3. Critically analyze works of theatre.
4. Demonstrate competence in fundamental acting performance skills.
5. Demonstrate a high level of self-discipline and personal responsibility.
6. Function cooperatively as members of a performance ensemble, whether as a performer, technician, designer, or director.
7. Identify the roles and responsibilities of the various artists involved in creating performances.

Career Opportunities in THEATRE ARTS

Completing the baccalaureate degree or graduate level work can lead to a variety of opportunities including actor, director, stage manager, production manager, education director, make-up artist, wigmaster, dramaturge, literary manager, technical director, costume designer, set designer, lighting designer, stage carpenter, stage electrician, prop master, house manager, theatre publicist, theatre teacher, theatre professor, stitcher, theatrical producer, scenic painter, and many other diverse artistic, technical and management positions related to the production of theatre, film and television.

Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.

THEATRE ARTS ASSOCIATE OF ARTS – Theatre or Dance

The Theatre Arts major leads to an Associate of Arts degree with an emphasis in Theatre or Dance. Through sequential study in theatre arts and through completion of the college's AA degree program, students develop the ability to create and perform works of theatre and dance. In addition, students learn to analyze performances in the context of theatre/dance history, theory, literature, and practice. Study of theatre and dance also equips students with alternate methods of exploration and problem solving that are useful in multiple disciplines. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete the Cal-GETC pattern. Please check with a counselor for more specific transfer information.

Required Courses – Major

Course Number	Course Name	Units
THE 200	Introduction to Theatre	3
THE 210B	Beginning Acting	3
THE 225A	Production Crew I	1 - 2

Plus 2 additional units selected from the following

Course Number	Course Name	Units
THE 230A	Contemporary Dance: Beginning	2
THE 230B	Contemporary Dance: Advanced Beginning	2
THE 230C	Contemporary Dance: Intermediate	2
THE 230D	Contemporary Dance: Advanced Intermediate	2

Plus 2 additional units selected from the following

Course Number	Course Name	Units
MUS 220	Opera Theatre-Performance	1 - 3
THE 105B	Play Development I	1
THE 105C	Play Development II	1
THE 220A	Acting Performance I	3
THE 225B	Production Crew II	1 - 2
THE 225C	Production Crew III	1 - 2
THE 260	Dance Performance	1 - 3
THE 262	Dance for Musical Theatre	1 - 3
THE 265A	Dance Repertory Apprentice I	1 - 3
THE 265B	Dance Repertory Apprentice II	1 - 3

Plus 3 additional units selected from the following

Course Number	Course Name	Units
THE 208A	Stagecraft I	3
THE 216A	Stage Lighting I	3
THE 217A	Costume Construction I	3

Plus, completion of the requirements below for either the theatre or dance emphasis

THEATRE EMPHASIS*

Plus 7 additional units selected from the following (if not used above)

Course Number	Course Name	Units
THE 105A	Narrative Theatre	3
THE 105D	Play Development III	1
THE 160	Audition Techniques	1
THE 202	Dramatic Literature and Script Analysis	3
THE 208A	Stagecraft I	3
THE 208B	Stagecraft II	3
THE 210A	Acting Improvisation	3
THE 210C	Intermediate Acting: Scene Study	3

PROGRAMS

Course Number	Course Name	Units
THE 210D	Acting Styles	3
THE 212A	The Actor's Voice I	1
THE 212B	The Actor's Voice II	1
THE 212C	The Actor's Voice III	1
THE 216A	Stage Lighting I	3
THE 216B	Stage Lighting II	3
THE 217A	Costume Construction I	3
THE 217B	Costume Construction II	3
THE 217C	Costume Construction III	3
THE 217D	Introduction to Costume Design	3
THE 219	Introduction to Directing	3
THE 220C	Acting Performance III	3
THE 220D	Acting Performance IV	3
THE 224	Introduction to Playwriting	3

*English 225 (Shakespeare) is strongly recommended for all theatre emphasis majors. Additional courses in dance (THE 230A, 230B, 230C, 230D, 234A, 234B, 234C, 234D, 238E, 238F, 238G, 238H, 242A, 242B, 242C, and 242D) and voice (MUS 230A, 230B, and 230C) are also recommended for students with an acting focus.

Career Opportunities in THEATRE

Completing the baccalaureate degree or graduate level work can lead to a variety of opportunities including: actor, director, stage manager, production manager, education director, make-up artist, dramaturge, literary manager, technical director, costume designer, set designer, lighting designer, stage carpenter, stage electrician, prop master, house manager, theatre publicist, theatre teacher, theatre professor, stitcher, theatrical producer, scenic painter, and many other diverse artistic, technical and management positions related to the production of theatre, film and television. In addition, theatre students develop skills (such as creative collaboration, effective communication, disciplined time management, and many others) which prepare them for a wide variety of careers, including but not limited to teaching, public relations, media & broadcast, business, marketing and event planning.

DANCE EMPHASIS:

Plus 8 additional units selected from the following (if not used above)

Course Number	Course Name	Units
THE 204	History and Appreciation of Dance	3
THE 206**	Dance in World Cultures	3
THE 230A	Contemporary Dance: Beginning	2
THE 230B	Contemporary Dance: Advanced Beginning	2
THE 230C	Contemporary Dance: Intermediate	2
THE 230D	Contemporary Dance: Advanced Intermediate	2
THE 242A	Ballet: Beginning	2
THE 242B	Ballet: Advanced Beginning	2
THE 242C	Ballet: Intermediate	2
THE 242D	Ballet: Advanced Intermediate	2
THE 250	Choreography	2

Plus 6 additional units selected from the following

Course Number	Course Name	Units
THE 223	Salsa Rueda	1
THE 227A	Hip Hop Dance: Beginning	0.5 - 1
THE 227B	Hip Hop Dance: Intermediate	0.5 - 1
THE 228A	Conditioning for Dance: Pilates Mat I	0.5 - 1
THE 228B	Conditioning for Dance: Pilates Mat II	0.5 - 1
THE 238E	Jazz Dance: Beginning	2
THE 238F	Jazz Dance: Advanced Beginning	2
THE 238G	Jazz Dance: Intermediate	2
THE 238H	Jazz Dance: Advanced Intermediate	2
THE 244A	Mexican Folkloric Dance: Beginning	1 - 2

Course Number	Course Name	Units
THE 244B	Mexican Folkloric Dance: Intermediate Technique and Performance	1 - 2
THE 247A	Social Dance Forms: Beginning	1
THE 268	Dance Rehearsal	0.5 - 2

**Theatre 206 is recommended for all individuals who are majoring in Dance to fulfill the general education requirement for the Associate Degree.

Total Major Units – Theatre Emphasis **21 – 22**

Total Major Units – Dance Emphasis **28 – 29**

Associate Degree Requirements:

- Completion of a minimum of 60 semester units of acceptable college credits; some programs require more than 60 units,
- Overall minimum grade point average of 2.0,
- Minimum grade of “C” for each course in the major, and
- Completion of Mendocino College General Education or Cal-GETC, and Mendocino College Institutional Requirements.

Program Level Student Learning Outcomes:

1. Express ideas and feelings creatively through the creation of theatre performances.
2. Understand the history of theatre within the context of various cultural traditions.
3. Critically analyze works of theatre.
4. Demonstrate competence in fundamental acting performance skills.
5. Demonstrate a high level of self-discipline and personal responsibility.
6. Function cooperatively as members of a performance ensemble, whether as a performer, technician, designer, or director.
7. Identify the roles and responsibilities of the various artists involved in creating performances.

Career Opportunities in DANCE

Completing the baccalaureate degree or graduate level work in Theatre Arts (with an emphasis in Dance) can lead to a variety of opportunities including: dancer, choreographer, stage manager, production manager, education director, make-up artist, costume designer, lighting designer, dance teacher, dance producer, and many other diverse artistic, technical and management positions related to the production of dance and other performing arts.

TECHNICAL THEATRE CERTIFICATE OF ACHIEVEMENT

The Technical Theatre Certificate of Achievement will prepare individuals for entry-level positions as a stagehand working in stage, production, film, and television production as well as other special events. This program will prepare students to join in the International Alliance of Theatrical Stage Employees (I.A.T.S.E) Union which influences better salaries especially in large cities such as San Francisco. Students will gain skills in theatrical lighting, set construction, video presentation setup, basic sound reinforcement, and wardrobe. Examples of entry-level employment options after successful completion of the Technical Theatre Certificate of Achievement include carpenter, scenic painter, wardrobe dresser/assistant, properties artisan, rigger, lighting technician, and event technician. Events and venues include casinos, concert, conferences, film, video, music videos, commercials, and multimedia projects. This program will also serve as a base for further education leading to careers such as Set Designer, Lighting Designer, Technical Director, and other theatre-related jobs, including occupations represented by the I.A.T.S.E union.

Required Courses

Course Number	Course Name	Units
MUS 110	Recording Studio Techniques I	3
MUS 115A	Recording Studio Laboratory	1
THE 200	Introduction to Theatre	3
THE 208A	Stagecraft I	3
THE 216A	Stage Lighting I	3
THE 217A	Costume Construction I	3
THE 225A	Production Crew I	2
THE 225B	Production Crew II	2

Total units required for Certificate

20

Program Level Student Learning Outcomes:

1. Demonstrate proficiency with typical professional lighting equipment and computer systems.
2. Understanding of the terminology and operations of the theatre and production industries.
3. Apply critical thinking skills to resolve challenges in the workplace.
4. Function competently in entry-level stagehand business.
5. Work effectively with others in a creative team environment.

WOODWORKING

Laura Mays • 707.964.7056

Certificates of Achievement

Fine Woodworking I
Fine Woodworking II

FINE WOODWORKING I CERTIFICATE OF ACHIEVEMENT

The Fine Woodworking I Certificate is a one-year course of study designed to help prepare students for careers as independent designers and crafts workers. The program consists of classes involving lecture and extensive lab time focused on the creation of refined furniture. A limited number of seats are available. In order to qualify for admission, applicants must present evidence of one of the following: completion of WOD 70B or equivalent course at another institution, or practical experience in woodworking. Admission will be granted by a lottery of qualified applicants. For more information about the application process, see the Fine Woodworking website.

Required Courses

Course Number	Course Name	Units
WOD 80A	Fine Woodworking: Theory and Practice I	18
WOD 80B	Fine Woodworking: Theory and Practice II	18

Total units required for Certificate

36

Program Level Student Learning Outcomes:

6. Construct and use various wooden hand planes and complete exercises in basic construction techniques.
7. Demonstrate knowledge in the care and use of hand and power tools.
8. Evaluate aesthetic choices available in the process of making furniture.
9. Select and cut wood for specific purposes.
10. Learn to logically proceed in the process of furniture construction.

Career Opportunities in FINE WOODWORKING

Completing Fine Woodworking I can lead to a variety of opportunities, including but not limited to: independent studio maker of fine furniture and/or cabinetry, employment in studio workshop making fine furniture, furniture design, teaching woodworking, furniture repair and restoration.

FINE WOODWORKING II CERTIFICATE OF ACHIEVEMENT

The Fine Woodworking II Certificate is a one-year course of study designed to help prepare students for careers as independent designers and crafts workers, taking students from intermediate to advanced level of woodworking. The program consists of classes involving lecture and extensive lab time focused on the creation of refined furniture. A limited number of seats are available. In order to qualify for admission, applicants must complete WOD 80A and WOD 80B. Admission will be determined by a lottery of qualified candidates. For more information about the application process, see the Fine Woodworking website.

Required Courses

Course Number	Course Name	Units
WOD 81A	Fine Woodworking: Special Studies in Cabinet Making	16
WOD 81B	Fine Woodworking: Advanced Special Studies in Cabinet Making	16

Total units required for Certificate

32

Program Level Student Learning Outcomes:

1. Integrate design, construction, and presentation, using high levels of craftsmanship and advanced cabinetmaking techniques, to create pieces of fine furniture.
2. Contextualize the role of fine woodworking and craftsmanship and identify possible personal career paths/routes.

Career Opportunities in FINE WOODWORKING

Completing Fine Woodworking II can lead to a variety of opportunities, including but not limited to: independent studio maker of fine furniture and/or cabinetry, employment in studio workshop making fine furniture, furniture design, teaching woodworking, furniture repair and restoration.

Mendocino College 2026 - 2027 Catalog



ANNOUNCEMENT OF COURSES



www.mendocino.edu



COMMON COURSE NUMBERING NEW COURSE NUMBERING

EFFECTIVE FALL 2026

ART 207

Survey of Art from Prehistory
to the Medieval Era

ARTH C1100

ART 208

Survey of Art from the Renaissance
to Contemporary

ARTH C1200

ECO 201

Principles of Microeconomics

ECON C2001

ECO 200

Principles of Macroeconomics

ECON C2002

ENG 201

Critical Thinking and Writing
through Literature

ENGL C1003

HST 202

United States History to 1877

HIST C1001

HST 203

United States History since 1865

HIST C1002

What does this mean?

When looking for a class in the list on the left, it will now be found under the list on the right. The course content remains the same. The new course numbers will make transferring even easier for students!

stay current! www.mendocino.edu/ccn

**Same course number.
Every community college.**



LEARN MORE

Supporting your path to graduation.



**COMMON
COURSE
NUMBERING**

Course Numbering System

1-14 Pre-Collegiate Non-Degree Credit

Courses which are developmental or remedial (pre-collegiate basic skills) and are not applicable for the Associate Degree and are not transferable.

15-49 Non-Degree Credit

Courses that prepare students for experiences in which the possession of “college level” skills may be desirable, but are not, strictly speaking, necessary for entry into an occupation or program of study. These courses are not applicable for the Associate Degree and are not transferable.

50-99 Degree Credit Non-Transfer

College level courses applicable for the non-transfer Associate Degree only. Courses are not recommended as transferable to the California State University system or University of California system or private colleges and universities.

100-199 Degree Credit Transfer — CSU

College level courses applicable for the Associate Degree. Courses intended to carry transfer credit to all baccalaureate degree-granting institutions in the California State University system and may transfer to the University of California system and most private colleges and universities.

200-299 Degree Credit Transfer — CSU & UC

College level courses applicable for the Associate Degree. Courses intended to carry transfer credit to all baccalaureate degree-granting institutions in the University of California system as well as the California State University system and most private colleges and universities.

C1000-1999 Degree Credit Transfer -- CSU & UC

Common Course Numbered (CCN) classes applicable for the Associate Degree. These courses are intended to carry transfer credit to all baccalaureate degree-granting institutions in the University of California system as well as the California State University system and most private colleges and universities. Additionally, these course numbers are the same at all California Community Colleges.

500-599 Noncredit

Courses numbered 500-599 are offered on a noncredit basis. Regular attendance and participation are required. No college credit is issued. See the Schedule of Classes for more detail.

KEY TO COURSE ABBREVIATIONS Example

ADJ-30 Drug Abuse Recognition

0.5 Units / 0.5 hours lecture.

Credit course taken for Pass/No Pass only.

This course is designed to provide students with knowledge, from a law enforcement perspective, of how to recognize alcohol and other drug symptoms of abuse, behaviors, and physiological effects. The instruction will include drug paraphernalia identification and applicable laws.

Course number = 30 Course Title = Drug Abuse Recognition Course Unit(s) = .5

COURSES

ADDICTION AND RECOVERY COUNSELING

ARC-151 Alcohol and Drugs: Overview

CSU

3.0 Units / 3.0 hours LEC

Credit course for letter grade only

This course will provide students with an overview of the historical and contemporary role of psychoactive drugs (including alcohol) in society, emphasizing the physical, social, and emotional consequences of their use and abuse. Topics include the social and cultural factors that contribute to the use of alcohol and other drugs, the pattern and progression of substance use disorders, theories of harm reduction, prevention and treatment, and public policy and legislation. (C-ID PHS 103)

Recommended Preparation: ENGL C1000

ARC-153 Physiology and Pharmacology of Alcohol and Drugs

CSU

3.0 Units / 3.0 hours LEC

Credit course for letter grade only

The course will provide the student with a basic understanding of the physiological and pharmacological actions of psychoactive drugs. Psychological, sociological and biological perspectives will be presented. The course will provide detailed information on the following groups of drugs: stimulants, tobacco, depressants (including alcohol), opioids, hallucinogens, marijuana, over-the-counter (OTC) drugs, and other selected psychotherapeutic drugs.

Recommended Preparation: ENGL C1000

ARC-158 ARC Practicum Preparation

CSU

1.5 Units / 1.0 hours LEC; 1.5 hours LAB

Credit course for letter grade only

This course will prepare students seeking certificates or degrees in Addiction and Recovery Counseling. Students will be expected to demonstrate a basic level of skill and knowledge required for the internship. Students will also research and interview agencies which provide services in the field of addiction counseling as potential internship sites.

Prerequisite: HUS 154, HUS 155, and HUS 156 with a minimum grade of C

ARC-164 Field Placement and Practicum Seminar I

CSU

1.5 Units / 1.5 hours LEC

Credit course for letter grade only

This course will provide classroom instruction to support the Addiction and Recovery Counseling Program field placement practicum. Students will develop professional communication and problem-solving skills as they apply knowledge and skills developed in the ARC Program.

Corequisite: ARC 197A

ARC-165 Field Placement and Practicum Seminar II

CSU

1.5 Units / 1.5 hours LEC

Credit course for letter grade only

This course will provide classroom instruction to support the second in sequence of Addiction and Recovery Counseling Program field work. Students will continue developing professional communication and problem-solving competencies as they apply skills developed in the Addiction and Recovery Counseling Program.

Prerequisite: ARC 164 with a minimum grade of C

Corequisite: ARC 197A

ARC-197A Addiction and Recovery Counseling Practicum

CSU

2.0 - 8.0 Units / Credit course for letter grade only

This course will provide Addiction and Recovery Counseling certificate and degree students the opportunity to apply knowledge, skills and attitudes learned in the classroom and in an actual human services workplace.

Prerequisite: ARC 158 with a minimum grade of C

Corequisite: ARC 164 or ARC 165

ADMINISTRATION OF JUSTICE

ADJ-52 PC 832 Arrest

2.5 Units / 2.5 hours LEC

Credit course for Pass/No Pass

This course will meet the requirements for training in arrest methods, search and seizure, and arrest control techniques under California Penal Code Section 832. The course consists of 13 learning domains as outlined by Peace Officers Standards in Training (POST). Firearms training will not be included in this course.

ADJ-53 Firearms: 832 PC

2.5 Units / 2.5 hours LEC***Credit course for Pass / No Pass***

This course is only offered in conjunction with the ADJ-90 Corrections Officer Core and ADJ-52 Arrest courses. A law enforcement agency must sponsor students to be eligible for enrollment and participation in this firearms course. Sponsoring law enforcement agencies must provide the college with an agency letter certifying that a Firearms Training Clearance from the California Department of Justice is on file. This course, ADJ-53 - Firearms: 832 PC, complements a series of classes, including ADJ-52 - PC 832 Arrest, and ADJ-90 Adult Corrections Officer Core Course, to meet both California STC and POST requirements for a Corrections Officer Basic Academy. This course meets the required firearms training requirements for entry-level correctional officers as mandated by the California POST. This course is designed to provide practical, hands-on training in the safe and responsible use of firearms. *Limitation on Enrollment: Students must be sponsored by a law enforcement agency, and sponsoring agencies must provide an agency letter certifying that a Firearms Training Clearance from the California Department of Justice is on file.*

ADJ-90 Adult Corrections Officer Core Course**4.5 Units / 1.0 hours LEC; 10.5 LAB*****Credit course for Pass / No Pass***

This course will meet the required training for entry-level local correctional officers by the Board of State and Community Corrections, Standards and Training for Corrections (STC). This course is designed to provide practical hands-on training in correctional officer tactics and weapon usage, participants in this course will engage in physically demanding classroom training exercises. Students need to be prepared for the rigor of physical conditioning and defensive tactics training. Participants must be sponsored by a sheriff's office prior to enrollment. *Limitation on Enrollment: Student must be sponsored by the Sheriff's Department and must be medically cleared for participation by their department.*

ADJ-104 Legal Aspects of Evidence

CSU

3.0 Units / 3.0 hours LEC***Credit course for grade or Pass / No Pass***

This course will introduce students to the origin, development, philosophy, and constitutional bases of evidence. Topics include constitutional and procedural considerations affecting arrest, search and seizure; kinds and degrees of evidence; rules governing admissibility; and judicial decisions interpreting individual rights. (C-ID AJ 124)
Recommended Preparation: ADJ 200 and ENGL C1000

ADJ-106 Principles of Investigation, Crime Scene and Laboratory Techniques

CSU

3.0 Units / 3.0 hours LEC***Credit course for grade or Pass / No Pass***

This course will introduce the fundamentals of investigation including crime scene search and recording; collection and preservation of physical evidence; scientific aids and modus operandi; sources of information; interviews and interrogation; and follow-up and case preparation. The course will also cover the role of the crime scene investigator, crime lab, forensics and the technology and equipment needed to gather, process, preserve and evaluate evidence for probative value. (C-ID AJ 140)
Recommended Preparation: ADJ 200 and ENGL C1000

ADJ-108 Patrol Procedures and Police Report Writing

CSU

3.0 Units / 3.0 hours LEC***Credit course for grade or Pass / No Pass***

This course will cover patrol function and the roles and responsibilities of patrol officer. This course will also cover police report writing in the first person, using a chronological and plain-talk style. The course will discuss the purpose for clear, concise and accurate writing as it pertains to the court process and prosecution. This course will provide students an opportunity to theoretically walk through patrol duties and write reports based on actual patrol procedures learned.
Recommended Preparation: ADJ 200

ADJ-109 Victimology

CSU

3.0 Units / 3.0 hours LEC***Credit course for grade or Pass / No Pass***

This course will teach students to identify victim response and care before during and after court cases. The course objective is to give students a deeper knowledge base of the fields of victimology and criminology. Students will learn about the history of victimology and the victims' rights movement; how to analyze trends in and consequences of crime and victimization; to differentiate between types of crimes and to recognize victimization in different settings.
Recommended Preparation: ADJ 200 and ENGL C1000

COURSES

ADJ-150 Public Safety Leadership

CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will provide students with a foundation of leadership concepts that can be used to lead themselves, a team, a business, or a large organization. These leadership lessons will serve as a foundation and be useful for employment exams, working with supervisors, and developing as a leader throughout one's career. At times we all will be called upon to lead, sometimes in the midst of an emergency, or other times when asked to spearhead a new project. Learning leadership skills is just as important for someone just starting their career, as it is for those who are well established along a career path.

Recommended Preparation: ENGL C1000

ADJ-160 Ethical Reasoning in the Justice System

CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course offers an introduction to the concepts and theories of ethical decision-making and responsibility within the Administration of Justice profession. It emphasizes the importance of understanding ethical theories, personal and organizational values, as well as the "Law Enforcement Code of Conduct." Through this ethics course, students will explore and gain insights into the potential ethical dilemmas that Administration of Justice professionals may face.

ADJ-200 Introduction to Administration of Justice

CSU, UC, Cal-GETC (4),
MC (4)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will provide an overview of the American criminal justice system that will cover the nature and causes of crime, the historical development of criminal law, and the roles of the various subsystems and agencies that operate within the justice system. This course covers the philosophy behind crime control measures, the prosecution of accused persons, incarceration and rehabilitation of convicted offenders. The course will also examine role expectations, ethics, education and training for professionalism within the justice system. (C-ID AJ 110)

Recommended Preparation: ENGL C1000

ADJ-202 Concepts of Criminal Law

CSU, UC,
MC (4)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover the historical development, philosophy of law and constitutional provisions; definitions, classifications of crimes and their applications to the system of administration of justice; and legal research, review of case law, methodology and concepts of law as a social force. Crimes against persons, property, and the state as a social force are also covered in this course. (C-ID AJ 120)

Recommended Preparation: ADJ 200 and ENGL C1000

ADJ-204 Community Relations

CSU, UC, Cal-GETC (4),
MC (4)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will explore the complex interrelationship and role expectations among the policing agencies and the public in addressing crime and conflict. It emphasizes the challenges and prospects of administering justice within a diverse multicultural population during a period of social unrest. The professional image of the criminal justice system is examined as well as the development of positive relationships between law enforcement agencies and the public. The fundamentals of community policing are a focus of the course. (C-ID AJ 160)

Recommended Preparation: ADJ 200 and ENGL C1000

ADJ-206 Juvenile Justice

CSU, UC

3.0 Units / 3.0 hours LEC

Credit course for letter grade only

This course will give students an overview of American Juvenile Justice in terms of both system and practice. It examines the juvenile offender, causes of juvenile crime, theories of delinquency, the juvenile court system from citation to disposition, and juveniles in the adult court system. This course also looks at institutionalization, rehabilitation, the treatment of juveniles, constitutional protections of juveniles and the future of juvenile justice in America. Restorative Justice practices, cultural impacts on youth and the history of dealing with Juvenile Offenders will be examined. (C-ID AJ 220)

Recommended Preparation: ADJ 200 and ENGL C1000

ADJ-207 Corrections

CSU, UC

3.0 Units / 3.0 hours LEC***Credit course for letter grade only***

This course will use sociological perspectives to explore issues related to incarceration for juveniles and adults. This course will also cover alternatives to incarceration including, probation, parole, community service, restorative justice, rehabilitation, and alternative courts and will cover how other developed countries address incarceration and alternatives to incarceration. The course will address the economic disparities, societal and cultural aspects of incarceration within the United States and how states are addressing the overpopulation of jails and prisons and the types of correctional institutions and clients housed in each. (C-ID AJ 200)

Recommended Preparation: ADJ 200 and ENGL C1000

AGRICULTURE**AGR-53 Landscaping with Native Plants****3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass / No Pass***

This course will instruct students how to identify many native California plants that can be used in the landscape. Learn the plants' cultural needs and how to best integrate these plants into diverse landscape settings.

AGR-56 Small Farm Machinery Operations and Safety**2.0 Units / 1.0 hours LEC; 3.0 hours LAB*****Credit course for grade or Pass / No Pass***

This course will cover the use and safe operation, general maintenance checks and the economics of equipment commonly used on small farms and vineyard operations. Hands-on experience and farm visits will be a major component of this class.

AGR-57 Mushroom Cultivation**1.0 Units / 0.5 hours LEC; 1.5 hours LAB*****Credit course for grade or Pass / No Pass***

This course will introduce the student to the techniques of mushroom cultivation beginning with starting the culture and progressing through methods for stimulating fruiting and the production of mushrooms. Methods taught will emphasize home cultivation, but commercial production methods will also be discussed. Students will participate in all aspects of the production process.

AGR-61 Mushroom Identification - Fall**1.0 Units / 1.0 hours LEC*****Credit course for grade or Pass/No Pass***

This course will cover the identification and ecology of the fall mushroom flora. Emphasis is placed on keying species to genus and on identification of the more common edible and toxic species fruiting in the fall on the north coast. Lecture material will also cover ecological relationships, toxins and mushroom reproduction.

AGR-62 Mushroom Identification - Spring**1.0 Units / 1.0 hours LEC*****Credit course for grade or Pass/No Pass***

This course will cover the identification and ecology of the spring mushroom flora. Emphasis is placed on keying spring species to genus and on identification of the more common edible and toxic species fruiting in the spring on the north coast. Lecture material will also cover mushrooms used for food medicine as well as their role in forest management.

AGR-75 Introduction to Pruning**1.0 Units / 1.0 hours LEC*****Credit course for grade or Pass / No Pass***

This course will cover the principles and skills of pruning and training ornamental shrubs and vines, grapevines, fruit trees and ornamental landscape trees. Students will learn how to avoid the common mistakes made in pruning in order to produce more flowers, fruit and achieve aesthetically appealing strong structured plants.

AGR-100 Plant Pest and Disease Management**3.0 Units / 2.0 hours LEC; 3.0 hours LAB*****Credit course for grade or Pass / No Pass***

This course will introduce the student to the common pests and diseases of agricultural crops, with emphasis on local crops and greenhouse problems. Application of integrated pest management (IPM) and proper identification and monitoring of pest and disease populations will be covered. Selection of appropriate management strategies with least-toxic methods will be stressed. Cultural, chemical, and biological controls in applied situations will be presented.

CSU

COURSES

- AGR-102 Plant Propagation** CSU
3.0 Units / 2.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will cover the propagation techniques and science needed to propagate plants sexually by spores and seed, including breeding, and asexually via cuttings, layering, division, grafting, budding and tissue culture. Equipment and structures commonly used for these plant propagation techniques will be both discussed and used in this class. (C-ID AG-EH 116L)
- AGR-112 Viticulture Practices** CSU
2.0 Units / 1.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will cover viticulture practices including pruning, training, frost control, vineyard development, vineyard pest and disease management, nutrient management, cover cropping, erosion control, hand labor practices and principles of supervision of labor.
- AGR-140 Introduction to Horticulture** CSU
3.0 Units / 2.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will explore the horticultural industry. It will cover the growing methods, practices, facilities, and management necessary to produce and market a variety of plants and crops popular with gardeners, nurseries, landscapers, and small farmers. (C-ID AG-EH 104 X)
- AGR-142 Landscape Maintenance** CSU
3.0 Units / 2.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will give a student academic and hands-on training experience in the maintenance of diverse landscapes through modern techniques of pruning, irrigation and soil management. Students will learn how to find sustainable solutions to landscape problems, proper use of fertilizers, the basic concepts of arboriculture and the scheduling of landscape maintenance activities. (C-ID AG-EH 128 X)
- AGR-144 Nursery Management and Practices** CSU
3.0 Units / 2.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will take the student through all aspects of nursery management including plant propagation; soil medias; transplanting; container, field and greenhouse growing situations; pest and disease management; irrigation and fertilizer estimations and applications. The administrative and financial management of a nursery business will be explored.
- AGR-147 Greenhouse Projects** CSU
3.0 Units / 2.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will instruct the student of the interworking of a greenhouse through growing of horticultural crops and gaining experiences in all facets of greenhouse operations and crop production.
- AGR-151 Landscape Irrigation** CSU
2.0 Units / 1.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will cover the design of landscape irrigation systems with supporting instruction on soil factors, hydraulics, site information, selection of system components, back flow prevention, plumbing codes, and cost estimating. Time will be spent in the field and in the classroom on the subjects related to both spray systems and drip irrigation systems.
- AGR-154 Landscape Construction** CSU
3.0 Units / 2.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will cover the steps of constructing a new landscape and renovations of established landscapes. The students will learn the basics of designing and drafting a landscape plan. Students will construct and install various hardscape projects during this course. (C-ID AG-EH 132 X)
- AGR-180 Fall Sustainable Vegetable and Fruit Production** CSU

2.0 Units / 1.0 hours LEC; 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover sustainable fall vegetable growing practices for the gardener and small farmer. It will present specific cultural practices for fall vegetables and fruit production. The basic concepts and techniques in the following areas will be introduced: season extension, evaluation of sites and soils, propagation, irrigation, pests and disease, weeds, composting, soil preparation, pruning, harvesting, storage and preservation of produce. This course will emphasize organic/sustainable practices but includes presentation and discussion of other practices as well.

AGR-181 Sustainable Spring Vegetable Growing Practices

CSU

2.0 Units / 1.0 hours LEC; 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover spring vegetable growing practices for the small farmer and gardener. This includes plant propagation, soils and crop fertility, drip irrigation practices and scheduling, pest and disease management, heat management and laboratory field work. Principles of sustainable practices will be stressed.

AGR-197 Agriculture Internship

CSU

1.0 - 8.0 Units / Credit course for grade or Pass/No Pass

This course is a supervised internship in agricultural food production and/or marketing and distribution.

Internships are courses in which students demonstrate knowledge and skills learned in the classroom in a real work situation, while developing new job-specific knowledge and skills. Internships also help students better understand an occupation, and to gauge their interest and compatibility with a specific career. Students can earn up to 8 units per semester (for a total of 16 combined Work Experience units).

Recommended Preparation: AGR 140

Limitation on Enrollment: Requires Instructor consent. Students must meet criteria for internship work site.

May be taken for a total of 16 units in any combination

AGR-208 Soils Science

CSU, UC,
MC (5)

4.0 Units / 3.0 hours LEC; 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover applied soil science, including soil formation, physical, chemical and biological properties of soils, management and conservation, plant nutrition, and fertilization. This course will emphasize on using sustainable methods with local crops, soils, and greenhouse media. (C-ID AG-PS 128L)

AGR-211 Introduction to Viticulture

CSU, UC

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will be an introduction to the viticulture industry including grape growing, history, distribution, biology, anatomy, propagation, cultivars, rootstocks, climate, vineyard cultural practices and common pests and diseases.

AGR-216 Sustainable Agricultural Systems

CSU, UC

2.0 Units / 1.5 hours LEC; 1.5 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the history, definitions, concepts, principles and practices of sustainable agricultural systems. The course will also examine case studies and expose the student to field-based learning through labs and field trips.

AGR-240 Plant Identification-Fall

CSU, UC

3.0 Units / 2.0 hours LEC; 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will focus on the identification, the cultural needs, and the landscape uses of ornamental trees, shrubs, vines and other landscape plants that show best during the fall.

AGR-241 Plant Identification-Spring

CSU, UC

3.0 Units / 2.0 hours LEC; 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will focus on the identification, the cultural needs and the landscape uses of ornamental trees, shrubs, vines and other landscape plants that show best during the spring and early summer.

COURSES

AMERICAN SIGN LANGUAGE

ASL-200 Elementary American Sign Language: Level I

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will introduce everyday communication in American Sign Language (ASL). Students will learn to exchange information, identify others, make requests, give reasons, provide simple directions, and ask for clarification. Topics will center around personal information and the immediate environment. This course will also introduce students to Deaf culture, including the American Deaf perspective, education of the Deaf, and an overview of the history of the American Deaf. This course is equivalent to two years of high school instruction.

**CSU, UC,
MC (3)**

ASL-201 Elementary American Sign Language: Level II

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will continue the study of the fundamentals of American Sign Language (ASL), with an emphasis on communication skills, grammatical structure and practice in the expressive aspects of the language. Additionally, the course will further explore Deaf culture, including the American Deaf perspective, social norms and current issues in the Deaf community.

Prerequisite: ASL 200 with a minimum grade of C

**CSU, UC,
MC (3)**

ANTHROPOLOGY

ANT-200 Physical Anthropology

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will examine the evolution and characteristics of Homo sapiens. It surveys the processes of evolution and their application to the development of modern humans. Biological/behavioral relationships between humans and other primates, human genetics, fossil evidence of human evolution, archaeology, and physical variation within and among modern human populations will also be covered. (C-ID ANTH 110)

**CSU, UC, Cal-GETC (5B),
MC (5)**

ANT-201 Cultural Anthropology

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will examine a diversity of cultural phenomena across humanity, including material culture, economics, social and political organization, religion, gender, sexuality, social class, language and related topics from different times and global regions. It will also explore the significance of the historical emergence of various cultural traditions, practices and beliefs with implications of understanding our own interconnected global society. (C-ID ANTH 120)

**CSU, UC, Cal-GETC (4),
MC (4, Culture)**

ART

Course Families

Course families are groups of active participatory courses that are related in content. Students are limited to no more than four attempts (grade or 'W') within each family group.

Ceramics – Technical/Professional: ART 50, ART 51, ART 246, ART 247

Drawing Family: ART 210A, ART 210B, ART 231A, ART 231B

Etching: ART 234A, ART 234B

Foundations: ART 213, ART 214

Hand Built and Thrown: ART 255A, ART 255B, ART 255C, ART 255D

Painting: ART 228A, ART 228B, ART 228C, ART 228D, ART 229

Photography: ART 282

Professional Practice: ART 160

Printmaking: ART 225, ART 232, ART 237A

Public Art: ART 224

Screen-Printing: ART 236A, ART 236B

Sculpture: ART 220A, ART 220B, ART 220C, ART 220D,

Textile Surface Design: ART 276A, ART 276B

Wheel-Formed Pottery: ART 235A, ART 235B, ART 235C, ART 235D

ART-50 Ceramic Kiln Operation and Maintenance

3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass / No Pass

This course will teach the basics of engineering, operating, and maintaining, electric and fuel-burning kilns.

ART-51 Introduction to Ceramic Glazes

3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass / No Pass

This course will delve into the mysteries of ceramic glaze materials and the art and science of formulating them into glazes for pottery and sculpture. It is designed to be an entry level but comprehensive study of ceramic glaze technology.

ART-140 Art Portfolio and Professionalism

CSU

1.0 Units / 0.5 hours LEC; 1.5 hours LAB

Credit course for letter grade only

This course will support advanced art students in the development of a professional portfolio and career. We will examine how artists create and present a body of work. Students will be introduced to professional artist practices including writing an artist statement, bio, CV, documentation of artwork, digital portfolios, exhibition procurement, curation, and marketing strategies.

ART-160 Art Gallery Management & Exhibition

CSU

1.0 Unit / 0.5 hours LEC; 1.5 hours LAB

Credit course for grade or Pass / No Pass

This course introduces students to careers in art gallery management. It covers key gallery fundamentals in the visual arts, including exhibit planning, preparation, and maintenance. Students will gain hands-on experience in exhibition installation, inventory management, staffing, and docent activities.

ART-199 Independent Study

CSU

0.5 - 4.0 Units / 1.5 - 12.0 hours LAB

Credit course for grade or Pass / No Pass

This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.

Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.

COURSES

ART-207 & ART-208 are renamed and renumbered to ARTH-C1100 & ARTH-C1200 in the Art History listing.

ART-210A Fundamentals of Drawing CSU, UC,
MC (3)
3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass / No Pass

This course introduces observational drawing concepts and form-rendering techniques. Emphasis will be on problems of shape, line, value, texture, volume, light and shadow, proportions, space, pictorial composition, and expression. Historical and contemporary drawing examples, critical trends, materials, and approaches will be considered. (C-ID ARTS 110)

ART-210B Intermediate Drawing CSU, UC

3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass / No Pass

This course builds on fundamental drawing skills while exploring more complex subject matter, color, and a variety of drawing mediums. Emphasizing creative expression and refinement of technique, students are encouraged to develop a personalized approach to their work and explore both historical and contemporary drawing practices. (C-ID ARTS 205)

Prerequisite: ART 210A with a minimum grade of C

ART-213 Color and Composition CSU, UC,
MC (3)
3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass / No Pass

This is a foundations course that covers the theories and applications of two-dimensional design and color in visual art, exploring formal, cultural, contemporary, and historical aspects of design. Line, shape, texture, value, color, balance, repetition, pattern, unity and spatial illusion will be covered. Development of a visual vocabulary for creative expression through lecture presentations, studio projects, problem solving, and critical analysis. (C-ID ARTS 100)

ART-214 Three-Dimensional Art and Design CSU, UC,
MC (3)
3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass / No Pass

This course will cover the application and appreciation of the principles and elements of three-dimensional design especially mass, volume, time, space, motion, surface and plane. Includes design and construction in a variety of three-dimensional materials. (C-ID ARTS 101)

ART-220A Ceramic Sculpture I CSU, UC,
MC (3)
3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass / No Pass

This course will introduce basic concepts and techniques of clay as a sculptural material with a focus on low-fire processes. This course is also an introduction to the broader world of ceramics including a study of contemporary and historic ceramic movements from various cultures. Students will learn to discuss and critique artwork using art elements and principles. Community-based art and public art may be explored.

ART-220B Ceramic Sculpture II CSU, UC

3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass / No Pass

This course will provide the intermediate clay sculpture student with projects to enhance their rendering and surface treatment abilities. Emphasizing surface treatments, this course will explore low-fire glazes including textural glaze. Both representational and abstract approaches will be explored. Students will create works inspired by contemporary and historic ceramic movements from various cultures. Community-based art and public art may be explored.

ART-220C Ceramic Sculpture III CSU, UC

3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for letter grade only

This course will allow advanced ceramic students to continue to develop their creative voice by focusing their research on a specific mode of sculptural ceramic artwork. Student artwork will increase in scale and complexity. Students will continue to develop unique surface resolutions focusing on low-fire temperatures. The course may involve community/public art projects.

ART-220D Ceramic Sculpture IV**3.0 Units / 1.5 hours LEC; 4.5 hours LAB***Credit course for letter grade only*

This course will facilitate the development of a cohesive body of work for advanced ceramic sculpture students. Having accumulated knowledge and skills from previous courses, students will find their creative context within the broader art world and seek to create professional quality work. Students will begin to hone their professional art skills and studio operation skills.

CSU, UC

ART-224 Mural Painting**3.0 Units / 1.5 hours LEC; 4.5 hours LAB***Credit course for grade or Pass/No Pass*

This course offers an in-depth exploration of mural painting as a significant public art form, examining its historical development across various cultures and its role in storytelling and spatial transformation. Students will engage in key aspects of the mural-making process, including site analysis, design planning, research, collaboration, and practical execution in public spaces. Field trips may be required to work on location, providing valuable, hands-on experience.

Recommended Preparation: ART 228A

CSU, UC

ART-225 Monotype Printmaking & Mixed Media**3.0 Units / 1.5 hours LEC; 4.5 hours LAB***Credit course for grade or Pass/No Pass*

This course is an exploration of mixed media using monotype printmaking. Monotype is a single print with painterly approach. Various drawing/painting techniques such as gouache, watercolor, pastel, oil, or acrylic are explored. The emphasis is on the development of individual stylistic and expressive interpretations of subjects by combining various contemporary and traditional media.

CSU, UC

ART-228A Beginning Painting I**3.0 Units / 1.5 hours LEC; 4.5 hours LAB***Credit course for grade or Pass/No Pass*

This course introduces the principles, elements, and practices of painting, with a focus on exploring painting materials, developing perceptual skills, and understanding color theory. Students will also learn paint mixing techniques and engage in creative responses to various materials and subject matter. (C-ID ARTS 210)

CSU, UC

ART-228B Beginning Painting II**3.0 Units / 1.5 hours LEC; 4.5 hours LAB***Credit course for grade or Pass/No Pass*

This course will continue a study of the basic pictorial problems and painting challenges begun in Art 228A, introducing more complex subject matter, concepts, and processes.

Prerequisite: ART 228A with a minimum grade of C

CSU, UC

ART-228C Intermediate Painting I**3.0 Units / 1.5 hours LEC; 4.5 hours LAB***Credit course for grade or Pass/No Pass*

This course will explore the relationship between form and content in painting while continuing to build a strong foundation in painting materials, techniques, form, space, composition, and color.

Prerequisite: ART 228B with a minimum grade of C

CSU, UC

ART-228D Intermediate Painting II**3.0 Units / 1.5 hours LEC; 4.5 hours LAB***Credit course for grade or Pass/No Pass*

This course will emphasize the development of individual expression and personal vision in painting. Through hands-on projects and critical analysis, students will deepen their understanding of diverse artistic attitudes and strategies, fostering their own unique style while gaining insight into the broader context of painting practices, both past and present.

Prerequisite: ART 228C with a minimum grade of C

CSU, UC

COURSES

- ART-229 Portraiture** CSU, UC
3.0 Units/1.5 hours LEC; 4.5 hours LAB
Credit course for grade or Pass/No Pass
This course will introduce the principles, elements, and practices of contemporary portraiture. Beginning with drawing, students will study the anatomy of the human head and value based rendering techniques. Working from live models and photographs, students will then develop and expand their knowledge of color theory, paint mixing and application techniques, as well as lighting and composition. Critique and analysis of historical and contemporary approaches to portraiture will be covered.
Recommended Preparation: ART 228A
- ART-231A Beginning Figure Drawing** CSU, UC,
MC (3)
3.0 Units / 1.5 hours LEC; 4.5 hours LAB
Credit course for grade or Pass/No Pass
This course introduces drawing the human figure from live models. Basic human anatomy and its application to figure drawing will be discussed. Pencil, charcoal, and ink techniques will be practiced in the creation of figure drawings.
- ART-231B Intermediate Figure Drawing** CSU, UC
3.0 Units / 1.5 hours LEC; 4.5 hours LAB
Credit course for grade or Pass/No Pass
This course builds on the foundational skills developed in ART 231A, introducing more complex subject matter, concepts, and techniques for understanding and portraying the human figure. Students will also have the opportunity to explore creative ways to work with multiple media types, encouraging personal expression and artistic growth.
Prerequisite: ART 231A with a minimum grade of C
- ART-232 Introduction to Printmaking** CSU, UC,
MC (3)
3.0 Units / 1.5 hours LEC; 4.5 hours LAB
Credit course for grade or Pass/No Pass
This course will cover basic printmaking techniques including collagraph, monotype, linoleum cut, wood cut, drypoint etching, image transfer, low-tech lithography and screen print.
- ART-234A Beginning Etching** CSU, UC
3.0 Units / 1.5 hours LEC; 4.5 hours LAB
Credit course for grade or Pass/No Pass
This course is the study of intaglio printmaking including line etching as a means of artistic expression. Students will learn how to etch, ink, and wipe a plate to produce multiple images through a series of structured projects. The course will also cover the presentation of fine prints, including print care, edition numbering, and matting techniques.
- ART-234B Intermediate Etching** CSU, UC
3.0 Units / 1.5 hours LEC; 4.5 hours LAB
Credit course for grade or Pass/No Pass
This course will focus on intermediate-level etching, incorporating advanced techniques for processing and printing plates. Students will learn to mix and wipe colored inks, combining these skills with advanced etching methods to create more personalized imagery. Projects and discussion will emphasize understanding of traditional print media and application of contemporary methods.
Prerequisite: ART 234A with a minimum grade of C
- ART-235A Wheel-Formed Pottery I** CSU, UC
MC (3)
3.0 Units / 1.5 hours LEC; 4.5 hours LAB
Credit course for letter grade only
This course will introduce students to wheel-formed pottery and various foundational ceramic forming, surfacing, and firing techniques. This course is also an introduction to the broader world of ceramics including a study of contemporary and historic ceramic movements from various cultures. Students will learn to discuss and critique artwork using art elements and principles.

ART-235B Wheel-Formed Pottery II

CSU, UC

3.0 Units / 1.5 hours LEC; 4.5 hours LAB*Credit course for letter grade only*

This intermediate-level, wheel-thrown pottery course focuses on the development of surface treatments. Students will study both form and surface treatments from various cultures. Experimentation with a variety of materials and processes will be emphasized.

ART-235C Wheel-Formed Pottery III

CSU, UC

3.0 Units / 1.5 hours LEC; 4.5 hours LAB*Credit course for letter grade only*

This intermediate-level, wheel-thrown pottery course focuses on the development of wheel-thrown and altered vessel forms. Emphasis is placed on using wheel-thrown forms as a starting point for more complex structures. The study of vessels from various cultures and the creation of complex forms will be discussed. Glaze formulation will also be explored.

ART-235D Wheel-Formed Pottery IV

CSU, UC

3.0 Units / 1.5 hours LEC; 4.5 hours LAB*Credit course for letter grade only*

This advanced wheel-thrown pottery course focuses on the development of functional pottery forms for the production potter. Students will engage in critical discussion and creative application utilizing the potter's wheel to develop a unique line of functional pottery forms. Glaze formulation and soda firing techniques will be explored.

ART-236A Beginning Screen-Printing

CSU, UC

3.0 Units / 1.5 hours LEC; 4.5 hours LAB*Credit course for grade or Pass/No Pass*

This course will introduce color silkscreen printmaking as a fine art print medium. Students will explore multiple approaches to silkscreen printing such as paper stencil, block-out, and photo-stencils methods.

ART-236B Intermediate Screen-Printing

CSU, UC

3.0 Units / 1.5 hours LEC; 4.5 hours LAB*Credit course for grade or Pass/No Pass*

This course will continue the exploration of the screen printing process as a fine art print medium. There will be an increased emphasis on individual projects at a more advanced level of sophistication.

Prerequisite: ART 236A with a minimum grade of C

ART-237A Beginning Relief Printmaking

CSU, UC

3.0 Units / 1.5 hours LEC; 4.5 hours LAB*Credit course for grade or Pass/No Pass*

This course is a comprehensive introduction to the concepts and techniques of relief printmaking, which includes linoleum, woodblock, and collagraph. Emphasis will be on technical experimentation and artistic visual expression. Students will be introduced to the history and theory of relief printing through hands-on experimentation and the examination of artworks of historical and contemporary printmaking.

ART-242 Art in Context: Ceramics

CSU, UC

3.0 Units / 2.5 hours LEC; 2.0 hours LAB

MC (3)

Credit course for letter grade only

This introductory course will expose students to a broad spectrum of ceramic art from diverse cultures including Western/European Art, Asian/Middle Eastern Art, Meso-American Art, and African Art, with a focus on visual theory, aesthetics, criticism, and historical context. Students will develop critical thinking skills through the analysis of cultural and technological constructs that influence the creation of specific genres. In addition, with an emphasis on creative problem-solving skills, students will produce original works of ceramic art by reinterpreting the artistic traditions they study in a contemporary and personal context.

ART-246 Raku and Alternative Firing Processes

CSU, UC

3.0 Units / 1.5 hours LEC; 4.5 hours LAB*Credit course for grade or Pass/No Pass*

This course will introduce students to Raku pottery and alternative methods of making and firing pottery. The course will address the origins of Raku and contemporary raku techniques, including flashing and crackle glaze. Other methods may include horse hair and naked raku. Students will construct pottery and sculptural forms using a variety of techniques. Other potential topics include saggar, barrel, pit, wood firing, and native material preparation and application.

COURSES

ART-247 Ceramic Casting and Mold Making

CSU, UC

*3.0 Units / 1.5 hours LEC; 4.5 hours LAB**Credit course for grade or Pass / No Pass*

This course will teach the basic principles and practices of making molds and using them to produce ceramic forms and objects. Projects will include simple molds for functional forms and surface decoration and complex molds for sculptures. Projects will be inspired by historical and contemporary mold-formed ceramics.

ART-255A Hand-Built Ceramics I

CSU, UC

*3.0 Units / 1.5 hours LEC; 4.5 hours LAB**Credit course for letter grade only*

This course will introduce students to hand-built ceramics using pottery as a starting point. Various foundational ceramic forming, surfacing, and firing techniques will be explored, including sculptural processes. This course is also an introduction to the broader world of ceramics including a study of contemporary and historic ceramics from various cultures. Students will learn to discuss and critique artwork using art elements and principles.

MC (3)

ART-255B Hand-Built Ceramics II

CSU, UC

*3.0 Units / 1.5 hours LEC; 4.5 hours LAB**Credit course for letter grade only*

This course will focus on the refinement of hand-building techniques with an emphasis on surface treatment and different firing temperatures. Students will study hand-built forms and surfaces from various cultures and time periods, including contemporary practices.

ART-255C Hand-Built Ceramics III

CSU, UC

*3.0 Units / 1.5 hours LEC; 4.5 hours LAB**Credit course for letter grade only*

This course will allow advanced students to create ceramic projects with increased size and complexity. Students will study traditional and contemporary approaches to hand-building as they develop their unique voice in clay.

ART-255D Hand-Built Ceramics IV

CSU, UC

*3.0 Units / 1.5 hours LEC; 4.5 hours LAB**Credit course for letter grade only*

This course will allow advanced students to focus on creating a professional quality body of work. Techniques for production ceramics will also be explored. Glaze formulation may be explored. Student work will be informed by a study of contemporary and historic ceramics.

ART-276A Fabric Printing and Dyeing I

CSU, UC

*3.0 Units / 1.5 hours LEC; 4.5 hours LAB**Credit course for grade or Pass / No Pass*

This course will provide an introduction to and exploration of tie-dye, batik, starch paste resists, printing and painting on fabric using dyes and pigments. Emphasis is placed on the methods of application and use of two-dimensional design principles on fabric.

ART-276B Fabric Printing and Dyeing II

CSU, UC

*3.0 Units / 1.5 hours LEC; 4.5 hours LAB**Credit course for grade or Pass / No Pass*

This course will introduce the use of acid dyes and advanced methods such as marbling, silk painting, and discharging. Students will also continue to practice the techniques offered in ART 176. Emphasis will be placed on the layering of two or more methods and the further development of individual creativity.

ART-282 Introduction to Photography

CSU, UC

*3.0 Units / 1.5 hours LEC; 4.5 hours LAB**Credit course for grade or Pass / No Pass*

This course will be an introduction to the processes, principles, and tools of photography. Topics to be covered include the development of technical and aesthetic skills, elements of design and composition, camera technology, materials and equipment and contemporary trends in photography.

COURSES

ART-511 Drawing for Older Adults

0.0 Units / 1.5 hours LEC; 4.5 hours LAB

Noncredit Course

This noncredit course will introduce older adults to foundational drawing techniques, including line, shading, composition and the practice of keeping a sketchbook. Instruction in multiple drawing mediums including color and mixed media will be provided. The focus of the course is on the development of personal artistic interest, aptitude, creative self-expression and enrichment of quality of life. Course activities will promote or help maintain physical, mental, social and emotional well-being and accommodate varying skill levels.

Course exempt from repeat provisions

ART-522 Watercolor Painting for Older Adults

0.0 Units / 1.5 hours LEC; 4.5 hours LAB

Noncredit Course

This course will introduce older adults to a variety of techniques unique to watercolor media through an exploration of still life, landscape, and non-objective painting. The focus of the course is on the development of personal artistic interest, aptitude, creative self-expression, and enrichment of quality of life. Course activities will promote or help maintain physical, mental, social, and emotional well-being and accommodate varying skill levels. Instruction in color theory, tools, surfaces, and mixed media techniques will be provided.

Course exempt from repeat provisions

ART-542 Ceramics for Older Adults

0.0 Units / 1.5 hours LEC; 4.5 hours LAB

Noncredit Course

This course will introduce older adults to the ceramic studio experience, exploring fundamentals of clay techniques, tools and firing practice. The course will focus on creative self-expression and enriched quality of life, through the identification and development of personal artistic interests and aptitudes. In addition to physically working with clay, students will learn about historical and contemporary ceramics and discuss how these relate to their own interests and artmaking. Group studio activities will promote physical, mental, social, and emotional health by accommodating all skill levels, encouraging mutual support and cooperation, and addressing flexibility, openness, adaptation, and compassionate work ethics.

Course exempt from repeat provisions

ART-582 Film Photography for Older Adults

0.0 Units / 1.5 hours LEC; 4.5 hours LAB

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will introduce older adults to a variety of techniques unique to traditional black and white film photography. Students will work with film cameras and learn about film processing, enlarging prints, using light effectively, and print finishing. The focus of the course is on the development of personal artistic interest, aptitude, creative self-expression and enrichment of quality of life. Course activities will promote or help maintain physical, mental, social, and emotional well-being and accommodate varying skill levels.

Course exempt from repeat provisions

ART HISTORY

ARTH-C1100 Survey of Art from Prehistory to the Medieval Era

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course introduces students to visual art and architecture from prehistory to the medieval era with a focus on art from Europe, North Africa, and the near East. The course will further consider global interactions involving these regions. In this course architecture, sculpture, painting, drawing, calligraphy, book arts, metal, textiles, ceramics and jewelry are explored. (C-ID ARTH 110)

Recommended Preparation: ENGL C1000

**CSU, UC, Cal-GETC (3A),
MC (3)**

ARTH-C1200 Survey of Art from the Renaissance to Contemporary

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course provides an overview of art and architecture from the Renaissance to the contemporary period with a focus on art from Europe. The course will further consider global interactions involving this region. We will focus on artistic innovations in painting, photography, sculpture and architecture are explored as well as the major art movements of the modern age. (C-ID ARTH 120)

Recommended Preparation: ENGL C1000

**CSU, UC, Cal-GETC (3A),
MC (3)**

ARTH-205 Modern Art HistoryCSU, UC, Cal-GETC (3A),
MC (3)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course examines the art and architecture of major modern movements and artists from the 19th and 20th centuries in Europe and North America, including the influence of Japanese and African art, the Harlem Renaissance, and the Mexican Mural Movement. It analyzes the subject, form, content, historical and cultural context of paintings, photography, sculpture, and new media. Contemporary art includes themes of representation, identity, gender, and sexuality.

*Recommended Preparation: ENGL C1000***ARTH-206 Introduction to Native American Art**CSU, UC, Cal-GETC (3A),
MC (3, Culture)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover the history and cultural changes of traditional and contemporary art forms of the major indigenous cultural regions of North America and Canada. Northern Californian contemporary Native American art, such as Pomo, will also be discussed.

ART-209 Art AppreciationCSU, UC, Cal-GETC (3A),
MC (3, Culture)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will provide a general introduction to the visual arts across time and diverse cultures. It will cover the study of artworks, theory, terminology, themes, design principles, media, and techniques. Students will gain a foundational understanding of visual analysis. (C-ID ARTH 100)

ASTRONOMY**AST-200 Astronomy**CSU, UC, Cal-GETC (5A),
MC (5)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will give students a broad survey of the universe from a contemporary perspective. Topics include the history of modern astronomy; motions of the Earth, Sun, and Moon; interpretation of light; the solar system and its contents; stellar formation and evolution; the Milky Way and other galaxies; and cosmology.

AST-200L Astronomy Observation

CSU, UC, Cal-GETC (5C)

1.0 Units / 3.0 hours LAB

Credit course for letter grade only

This course will cover principles of astronomical observation and measurement, identification of constellations and celestial phenomena, and astronomical tracking and coordinate systems.

*Prerequisite: AST 200 with a minimum grade of C Corequisite: AST 200***ATHLETICS****ATH-200 Intercollegiate Baseball**

CSU, UC

3.0 Units / 10.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the skill fundamentals, game strategies, rules, regulations and conditioning appropriate to baseball for the purpose of participation in all scheduled events. Competing in intercollegiate athletics may be limited to those who possess the necessary physical skills. The passing of a medical examination is necessary for participation. All intercollegiate sports entail practice at the designated time and place; and meet for a minimum of ten hours per week.

*May be taken for a maximum of 2 enrollments***ATH-201 Theory and Analysis of Baseball I**

CSU, UC

2.0 Units / 2.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover the basic strategies, rationale and skill fundamentals involved in intercollegiate baseball.

ATH-202 Theory and Analysis of Baseball II

CSU, UC

2.0 Units / 2.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover the advanced strategies, rationale and skill fundamentals involved in intercollegiate baseball.

COURSES

ATH-204 Intercollegiate Basketball CSU, UC

1.5 Units / 5.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the skill fundamentals, game strategies, rules, regulations, and conditioning appropriate to basketball for the purpose of participation in all scheduled events. Competing in intercollegiate athletics may be limited to those who possess the necessary physical skills. The passing of a medical examination is necessary for participation.

May be taken for a maximum of 4 enrollments

ATH-205A Theory and Analysis of Basketball IA CSU, UC

1.0 Units / 1.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover the basic strategies, rationale and skill fundamentals involved in intercollegiate basketball.

ATH-205B Theory and Analysis of Basketball IB CSU, UC

1.0 Units / 1.0 hours LEC

Credit course for grade or Pass/No Pass

This course will further cover the basic strategies, rationale and skill fundamentals involved in intercollegiate basketball.

ATH-206A Theory and Analysis of Basketball IIA CSU, UC

1.0 Units / 1.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover the advanced strategies, rationale and skill fundamentals involved in intercollegiate basketball.

ATH-206B Theory and Analysis of Basketball IIB CSU, UC

1.0 Units / 1.0 hours LEC

Credit course for grade or Pass/No Pass

The course will further cover the advanced strategies, rationale and skill fundamentals involved in intercollegiate basketball.

ATH-215 Intercollegiate Cross-Country CSU, UC

3.0 Units / 10.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the skill fundamentals, competition strategies, rules, regulations and conditioning appropriate to cross-country for the purpose of participation in all scheduled events. Competing in intercollegiate athletics may be limited to those who possess the necessary physical skills. The passing of a medical examination is necessary for participation. All intercollegiate sports entail practice at the designated time and place; and meet for a minimum of ten hours per week.

May be taken for a maximum of 2 enrollments

ATH-216 Theory and Analysis of Cross-Country I CSU, UC

2.0 Units / 2.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover the strategies, rationale and skill fundamentals involved in Intercollegiate Cross-Country.

ATH-217 Theory and Analysis of Cross-Country II CSU, UC

2.0 Units / 2.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover the advanced strategies, rationale and skill fundamentals involved in intercollegiate Cross-Country.

ATH-220 Intercollegiate Softball CSU, UC

3.0 Units / 10.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the skill fundamentals, game strategies, rules, regulations, and conditioning appropriate to softball for the purpose of participation in all scheduled events. Competing in intercollegiate athletics may be limited to those who possess the necessary physical skills. The passing of a medical examination is necessary for participation. All intercollegiate sports entail practice at the designated time and place, and meet for a minimum of ten hours per week.

May be taken for a maximum of 2 enrollments

ATH-221 Theory and Analysis of Softball I

CSU, UC

*2.0 Units / 2.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will cover the basic strategies, rationale and skill fundamentals involved in intercollegiate softball.

ATH-222 Theory and Analysis of Softball II

CSU, UC

*2.0 Units / 2.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will cover the advanced strategies, rationale and skill fundamentals involved in intercollegiate softball.

ATH-226 Intercollegiate Soccer

CSU, UC

*3.0 Units / 10.0 hours LAB**Credit course for grade or Pass / No Pass*

This course will cover the skill fundamentals, game strategies, rules, regulations, and conditioning appropriate to soccer for the purpose of participation in all scheduled events. Competing in intercollegiate athletics may be limited to those who possess the necessary physical skills. The passing of a medical examination is necessary for participation.

*May be taken for a maximum of 2 enrollments***ATH-227 Theory and Analysis of Soccer I**

CSU, UC

*2.0 Units / 2.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will cover the basic strategies, rationale and skill fundamentals involved in intercollegiate soccer.

ATH-228 Theory and Analysis Soccer II

CSU, UC

*2.0 Units / 2.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will cover the advanced strategies, rationale and skill fundamentals involved in intercollegiate soccer.

ATH-240 Intercollegiate Volleyball

CSU, UC

*3.0 Units / 10.0 hours LAB**Credit course for grade or Pass / No Pass*

This course will cover the skill fundamentals, game strategies, rules, regulations and conditioning appropriate to volleyball for the purpose of participation in all scheduled events. Competing in intercollegiate athletics may be limited to those who possess the necessary physical skills. The passing of a medical examination is necessary for participation. All intercollegiate sports entail practice at the designated time and place; and meet for a minimum of ten hours per week.

*May be taken for a maximum of 2 enrollments***ATH-241 Theory and Analysis of Volleyball I**

CSU, UC

*2.0 Units / 2.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will cover the strategies, rationale and skill fundamentals involved in intercollegiate volleyball.

ATH-242 Theory and Analysis of Volleyball II

CSU, UC

*2.0 Units / 2.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will cover the advanced strategies, rationale and skill fundamentals involved in intercollegiate volleyball.

ATH-283 Conditioning for Intercollegiate Sports

CSU, UC

*1.0 - 2.0 Units / 3.0 - 6.0 hours LAB**Credit course for grade or Pass / No Pass*

This course will cover the physical fitness components related to intercollegiate athletic participation through advanced exercise programs. Emphasis is placed on individual and group activities that contribute to specific sport advancement.

AUTOMOTIVE TECHNOLOGY**AUT-51 Introduction to Automotive Technology****2.0 Units / 1.5 hours LEC; 1.5 hours LAB*****Credit course for grade or Pass / No Pass***

This class will provide information and hands on training to students who are interested in automotive technology but may have little or no prior automotive experience. Topics will include theory and basic operating principles of the automobile. Students will have an opportunity to work on their own vehicle or a college-owned vehicle. Students will learn how to change oil, perform a vehicle inspection, change brake pads, read a micrometer, drill and tap threads, retrieve diagnostic codes with a scan tool, and other basic competencies. Students with two years of high school auto coursework may receive credit for AUT 51 through credit for prior learning.

AUT-140 Automotive Engines

CSU

4.0 Units / 2.0 hours LEC; 6.0 hours LAB***Credit course for grade or Pass / No Pass***

This course will cover the principles of design and operation and the practices of diagnosis, inspection, service, and repair of modern automotive gasoline and diesel engines. This course prepares students for ASE (National Institute for Automotive Service Excellence) certification. Students with two years of high school auto coursework may receive credit for AUT 51 through credit for prior learning.

Prerequisite: Previous completion or concurrent enrollment in AUT 51, or any previous AUT courses with a minimum grade of C, or submission of a current ASE certification

AUT-142 Brakes/Suspension/Alignment

CSU

6.0 Units / 3.0 hours LEC; 9.0 hours LAB***Credit course for grade or Pass / No Pass***

This course will cover the design, operation, diagnosis, service, and repair of modern automotive suspensions, wheels and tires, manual and power steering systems, alignment, and braking systems including anti-lock brakes, computer-controlled suspensions, and four-wheel alignment. This course prepares students for ASE (National Institute for Automotive Service Excellence) certification. Students with two years of high school auto coursework may receive credit for AUT 51 through credit for prior learning. (C-ID AUTO 140X; AUTO 150 X)

Prerequisite: Previous completion or concurrent enrollment in AUT 51, or any previous AUT courses with a minimum grade of C, or submission of a current ASE certification

AUT-144 Manual Transmissions/Power Trains

CSU

3.0 Units / 1.0 hours LEC; 6.0 hours LAB***Credit course for grade or Pass / No Pass***

This course will cover the design, operation, diagnosis, service, and repair of modern automotive manual transmissions, transaxles, clutches, transfer cases, and rear axles. This course prepares students for ASE (National Institute for Automotive Service Excellence) certification. Students with two years of high school auto coursework may receive credit for AUT 51 through credit for prior learning. (C-ID AUTO 130 X)

Prerequisite: Previous completion or concurrent enrollment in AUT 51, or any previous AUT courses with a minimum grade of C, or submission of a current ASE certification

AUT-145 Automatic Transmissions/Power Trains

CSU

4.0 Units / 2.0 hours LEC; 6.0 hours LAB***Credit course for grade or Pass / No Pass***

This course will cover design, operation, diagnosis, service, and repair of modern automotive automatic transmissions and transaxles. Students will also prepare for ASE certification in automatic transmissions. Students with two years of high school auto coursework may receive credit for AUT 51 through credit for prior learning. (C-ID AUTO 120X)

Prerequisite: Previous completion or concurrent enrollment in AUT 51, or any previous AUT courses with a minimum grade of C, or submission of a current ASE certification

AUT-146 Automotive Air Conditioning/Heating Systems

CSU

2.0 Units / 1.5 hours LEC; 1.5 hours LAB***Credit course for grade or Pass / No Pass***

This course will cover the basic operating principles, diagnosis, and servicing of modern automotive heating and air conditioning systems, emphasizing the development of diagnostic and service skills including servicing, evacuating, charging, flushing, and recycling of materials. The course prepares students for ASE (National Institute for Automotive Service Excellence) certification. Students with two years of high school auto coursework may receive credit for AUT 51 through credit for prior learning.

Prerequisite: Previous completion or concurrent enrollment in AUT 51, or any previous AUT courses with a minimum grade of C, or submission of a current ASE certification

AUT-162 Automotive Electrical Systems

CSU

5.0 Units / 3.0 hours LEC; 6.0 hours LAB**Credit course for grade or Pass/No Pass**

This course will cover electrical principles, theory and operation of automotive batteries, charging, starting, ignition and accessory circuits, emphasizing the development of diagnostic and service skills and the use of modern diagnostic equipment. Preparation for ASE (National Institute for Automotive Service Excellence) certification is emphasized. Students with two years of high school auto coursework may receive credit for AUT 51 through credit for prior learning.

Prerequisite: Previous completion or concurrent enrollment in AUT 51, or any previous AUT courses with a minimum grade of C, or submission of a current ASE certification

AUT-166 Automotive Engine Performance

CSU

6.0 Units / 4.0 hours LEC; 6.0 hours LAB**Credit course for grade or Pass/No Pass**

This course will cover basic principles, theory and operation of automotive fuel delivery, ignition and emission control systems, emphasizing the development of diagnostic and service skills and the use of modern diagnostic equipment. Preparation for ASE (National Institute for Automotive Service Excellence) is emphasized.

Prerequisite: AUT 162, with a minimum grade of C, or any current ASE certificate in Electrical Systems

AUT-170 Advanced Automotive Engine Performance

CSU

6.0 Units / 4.0 hours LEC; 6.0 hours LAB**Credit course for grade or Pass/No Pass**

This course will include an advanced study of modern electronic engine and emission control systems; their operation, diagnosis and repair. The course includes fuel injection, on-board diagnostics, electronic spark management, distributorless ignition, electronic control of emission systems, and multiplexing of computer control systems. Emphasis is placed on the development of diagnostic and service skills and the use of modern diagnostic equipment, and preparation for ASE (National Institute for Automotive Service Excellence) and California Smog Program Certification.

Prerequisite: AUT 166, with a minimum grade of C, or any current ASE certification in Engine Performance or Advanced Engine Performance

AUT-180 Introduction to Hybrid and Alternative Fuel Vehicles

CSU

4.0 Units / 2.5 hours LEC; 4.5 hours LAB**Credit course for grade or Pass/No Pass**

This course will cover the introduction of principles, design, and operation of alternatively fueled vehicles and the practices of basic diagnosis, inspection, service, and repair of modern automotive Hybrid and Alternative Fuel Vehicles. This course prepares students for ASE (National Institute for Automotive Service Excellence) certification.

Prerequisite: AUT 162 and AUT 166, with a minimum grade of C, or current ASE Master Tech A1 through A8 certification

AUT-181 Hybrid Vehicles and Advanced Electric Vehicle Technology

CSU

4.0 Units / 2.5 hours LEC; 4.5 hours LAB**Credit course for grade or Pass/No Pass**

This course will provide an overview of both conventional and alternative fuels with their impact on vehicle emissions in gasoline engines. In addition, hands on skills with advanced vehicle technologies such as hybrid electric, direct injection, and fuel cells are explored. Topics include gasoline, E85, M85, CNG, LPG, RNG, RVs, HEVs, Fuel Cells, and dynamometer testing. Completion of this course helps students prepare for the Automotive Service Excellence (ASE) F1 Alternative Fuels Certification in addition to the ASE L3 Hybrid/Electric Vehicle Specialist Certification.

Prerequisite: AUT 180, with a minimum grade of C, or current ASE Master Tech A1 through A8 certification

AUT-199 Independent Study

CSU

1.0 - 4.0 Units / 3 - 12.0 hours LAB**Credit course for grade or Pass/No Pass**

This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student, and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.

Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.

COURSES

AUT-540 Automotive Engines

0.0 Units / 2.0 hours LEC; 6.0 hours LAB

Noncredit course for Pass/No Pass or Satisfactory Progress

This noncredit course will cover the principles of design and operation and the practices of diagnosis, inspection, service, and repair of modern automotive gasoline and diesel engines. This course prepares students for ASE (National Institute for Automotive Service Excellence) certification. Students with two years of high school auto coursework may receive credit for AUT 51/551 through credit for prior learning. Students with a current ASE Certification A1 can apply for credit for prior learning for AUT 540.

Prerequisite: Previous completion or concurrent enrollment in AUT 51/551, or any previous AUT courses with a minimum grade of C, or submission of a current ASE certification

Course is exempt from repeat provisions

AUT-542 Brakes/Suspension/Alignment

0.0 Units / 3.0 hours LEC; 9.0 hours LAB

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will cover the design, operation, diagnosis, service, and repair of modern automotive suspensions, wheels and tires, manual and power steering systems, alignment, and braking systems including anti-lock brakes, computer-controlled suspensions, and four-wheel alignment. This course prepares students for ASE (National Institute for Automotive Service Excellence) certification.

Prerequisite: Previous completion or concurrent enrollment in AUT 551, or AUT 51, or any previous AUT course with a minimum grade of C, or submission of a current ASE certification

Course is exempt from repeat provisions

AUT-544 Manual Transmission/Power Trains

0.0 Units / 1.0 hours LEC; 6.0 hours LAB

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will cover the design, operation, diagnosis, service, and repair of modern automotive manual transmissions, transaxles, clutches, transfer cases, and rear axles. This course prepares students for ASE (National Institute for Automotive Service Excellence) certification.

Prerequisite: Previous completion or concurrent enrollment in AUT 551, or AUT 51, or any previous AUT course with a minimum grade of C, or submission of a current ASE certification

Course is exempt from repeat provisions

AUT-545 Automatic Transmissions/Power Trains

0.0 Units / 2.0 hours LEC; 6.0 hours LAB

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will cover design, operation, diagnosis, service, and repair of modern automotive automatic transmissions and transaxles. Students will also prepare for ASE certification in automatic transmissions.

Prerequisite: Previous completion or concurrent enrollment in AUT 551, or AUT 51, or any previous AUT course with a minimum grade of C, or submission of a current ASE certification

Course is exempt from repeat provisions

AUT-546 Automotive Air Conditioning/Heating Systems

0.0 Units / 1.5 hours LEC; 1.5 hours LAB

Noncredit course for Pass/No Pass or Satisfactory Progress

This noncredit course will cover the basic operating principles, diagnosis, and servicing of modern automotive heating and air conditioning systems, emphasizing the development of diagnostic and service skills including servicing, evacuating, charging, flushing, and recycling of materials. The course prepares students for ASE (National Institute for Automotive Service Excellence) certification. Students with two years of high school auto coursework may receive credit for AUT 51/551 through credit for prior learning. Students with a current ASE A7 certification can apply for credit for prior learning for AUT 546.

Prerequisite: AUT 51 or AUT 551, or any previous AUT courses with a minimum grade of C, or submission of a current ASE certification

Recommended Preparation: AUT 162 or AUT 562

Course is exempt from repeat provisions

AUT-551 Introduction to Automotive Technology**0.0 Units / 1.5 hours LEC; 1.5 hours LAB****Noncredit course for Pass/No Pass or Satisfactory Progress**

This course is designed for students who are interested in automotive technology but may have little or no prior automotive experience. Topics will include theory and basic operating principles of the automobile. Students will have an opportunity to work on their own vehicle or a college-owned vehicle. Students will learn how to change oil, perform a vehicle inspection, change brake pads, read a micrometer, drill and tap threads, retrieve diagnostic codes with a scan tool, and other basic competencies. Students with two years of high school auto coursework may receive credit for AUT 551 through credit for prior learning.

*Course is exempt from repeat provisions***AUT-562 Automotive Electrical Systems****0.0 Units / 3.0 hours LEC; 6.0 hours LAB****Noncredit course for Pass/No Pass or Satisfactory Progress**

This course will cover electrical principles, theory and operation of automotive batteries, charging, starting, ignition and accessory circuits, emphasizing the development of diagnostic and service skills and the use of modern diagnostic equipment. Preparation for ASE (National Institute for Automotive Service Excellence) certification is emphasized.

Prerequisite: Previous completion or concurrent enrollment in AUT 551, or AUT 51, or any previous AUT course with a minimum grade of C, or submission of a current ASE certification

*Course is exempt from repeat provisions***AUT-566 Automotive Engine Performance****0.0 Units / 4.0 hours LEC; 6.0 hours LAB****Noncredit course for Pass/No Pass or Satisfactory Progress**

This noncredit course will cover basic principles, theory and operation of automotive fuel delivery, ignition and emission control systems, emphasizing the development of diagnostic and service skills and the use of modern diagnostic equipment. Preparation for ASE (National Institute for Automotive Service Excellence) A8 Engine Performance. Students with current ASE Certifications A6 may receive credit for prior learning for this course.

Prerequisite: AUT 140 or AUT 540, or any current ASE certificate in Basic Engines and AUT 162 or AUT 562, or any current ASE certificate in Electrical Systems

*Course is exempt from repeat provisions***AUT-570 Advanced Automotive Engine Performance****0.0 Units / 4.0 hours LEC; 6.0 hours LAB****Noncredit course for Pass/No Pass or Satisfactory Progress**

This noncredit course will include an advanced study of modern electronic engine and emission control systems, their operation, diagnosis and repair. The course includes fuel injection, on-board diagnostics, electronic spark management, distributor-less ignition, electronic control of emission systems, and multiplexing of computer control systems. Emphasis is placed on the development of diagnostic and service skills and the use of modern diagnostic equipment, and preparation for ASE (National Institute for Automotive Service Excellence) L1 exam and California Smog Program Certification.

Prerequisite: AUT 166, AUT 566, or a current ASE A6 and L1 in Engine Performance or Advanced Engine Performance certifications.

*Course is exempt from repeat provisions.***AUT-580 Introduction to Hybrid and Alternative Fueled Vehicles****0.0 Units / 2.5 hours LEC; 4.5 hours LAB****Noncredit course for Pass/No Pass or Satisfactory Progress**

This noncredit course will cover the introduction of principles, design, and operation of alternatively fueled vehicles and the practices of basic diagnosis, inspection, service, and repair of modern automotive Hybrid and Alternative Fueled Vehicles. This course prepares students for ASE (National Institute for Automotive Service Excellence) certification L3. Students that already have the L3 ASE certification can apply for credit for prior learning.

Prerequisite: AUT 162 or AUT 562 and AUT 166 or AUT 566, or a current ASE Master Tech A1 through A8 certification

Recommended Preparation: AUT 146 or AUT 546

Course is exempt from repeat provisions

COURSES

AUT-581 Hybrid Vehicles and Advanced Electric Vehicle Technology

0.0 Units / 2.5 hours LEC; 4.5 hours LAB

Noncredit course for Pass/No Pass or Satisfactory Progress

This noncredit course will provide an overview of both conventional and alternative fuels with their impact on vehicle emissions in gasoline engines. In addition hands on skills with advanced vehicle technologies such as hybrid electric, direct injection, and fuel cells are explored. Topics include gasoline, E85, M85, CNG, LPG, RNG, RVs, HEVs, Fuel Cells, and dynamometer testing. Completion of this course helps students prepare for the Automotive Service Excellence (ASE) F1 Alternative Fuels Certification in addition to the ASE L3 Hybrid/Electric Vehicle Specialist Certification.

Prerequisite: AUT 180, AUT 580, or current ASE Master Tech A1 through A8 certification

Course is exempt from repeat provisions

BASIC SKILLS

BSK-501 Academic Skills/Pre-High School Equivalency

0.0 Units / 5.0 hours LEC

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will provide instruction and individualized learning plans for math computation, reading comprehension, sentence and paragraph skills, and basic computer skills, as determined through initial assessment. It prepares students to enter BSK 502, High School Equivalency Preparation.

Course exempt from repeat provisions

BSK-502 High School Equivalency Exam Preparation

0.0 Units / 5.0 hours LEC

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will provide instruction and individualized learning plans for preparation for High School Equivalency tests (GED, HiSET & others). The course covers math, reading comprehension, sentence and paragraph skills, basic science, social studies, and basic computer skills, as determined through initial assessment. It includes background on testing options and helps the student determine readiness and prepare them for taking a high school equivalency test.

Course exempt from repeat provisions

BIOLOGICAL SCIENCES

BIO-200 Concepts of Biology

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will introduce students to the characteristics, structures and processes of living organisms as they relate to society and the environment.

CSU, UC, Cal-GETC (5B),
MC (5)

BIO-200L Concepts of Biology Lab

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will provide students with opportunities to conduct laboratory experiments and observations which investigate selected topics in the biological sciences.

Prerequisite: BIO 200 with a minimum grade of C

Corequisite: BIO 200

CSU, UC, Cal-GETC (5C)

BIO-202 Human Biology

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will introduce the student to the characteristics, structure, and processes of the human body as they relate to personal health, society, and the environment. This course is also designed for those students who need a review of the fundamentals of the human body before taking science courses required for the allied health sciences.

CSU, UC, Cal-GETC (5B),
MC (5)

BIO-202L Human Biology Laboratory

1.0 Units / 3.0 hours LAB

Credit course for letter grade only

This course will cover concepts and theories in human biology such as: organization, structure, function, heredity, evolution, the human species in the environment, and major human conditions and diseases. This laboratory course is recommended to be taken concurrently with or after successfully completing Human Biology (BIO 202).

Prerequisite: BIO 202 with a minimum grade of C

Corequisite: BIO 202

CSU, UC, Cal-GETC (5C)

BIO-220 Marine Biology LectureCSU, UC, Cal-GETC (5B),
MC (5)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will cover the history of marine biology across many societies, cultural, equitable, and sustainable resources from the sea, biological oceanography, natural history, taxonomy, and the ecology of the world's oceans with an emphasis on the Northern California coast.

BIO-220L Marine Biology Laboratory

CSU, UC, Cal-GETC (5C)

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass / No Pass

This course will cover laboratory procedures, field procedures and analysis of data on selected marine biology topics.
Prerequisite: BIO 220 with a minimum grade of C. Corequisite: BIO 220

BIO-230 Human AnatomyCSU, UC, Cal-GETC (5B, 5C),
MC (5)

5.0 Units / 3.0 hours LEC; 6.0 hours LAB

Credit course for grade or Pass / No Pass

This course will cover the structural organization of the human body including human cytology and cellular organization, fundamental tissues and organ systems, and appropriate laboratory study of basic human anatomy. (C-ID BIOL 110 B)

*Recommended Preparation: BIO 202 and eligibility for transfer-level math***BIO-231 Human Physiology**CSU, UC, Cal-GETC (5B, 5C),
MC (5)

5.0 Units / 4.0 hours LEC; 4.0 hours LAB

Credit course for grade or Pass / No Pass

This course will cover the study of human organ systems and the associated physiological principles with appropriate practical experimentation in the laboratory. (C-ID BIOL 120 B)

*Prerequisite: CHM 200 or CHM 250 with a minimum grade of C**Recommended Preparation: BIO 202 and eligibility for transfer-level math***BIO-243 Biology of Marine Mammals**CSU, UC, Cal-GETC (5B),
MC (5)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will introduce students to the biology, ecology, behavior, natural history and diversity of marine mammals.

BIO-245 Introduction to Environmental ToxicologyCSU, UC,
MC (5, Wellness)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course provides an introduction to biological, physiological and environmental processes and will cover biological principles of cell physiology, organ systems, biochemistry, and ecology. The biology, biochemistry and physiological impacts of natural and man-made toxic substances will be discussed. The course will employ case studies and the scientific method to discover how toxic substances affect individuals, populations, and ecosystems.

BIO-250 Cell and Molecular BiologyCSU, UC, Cal-GETC (5B, 5C),
MC (5)

4.0 Units / 3.0 hours LEC; 4.0 hours LAB

Credit course for grade or Pass / No Pass

This course will cover structure and function, origin, evolution and diversity of cells, biochemistry, metabolism, Mendelian genetics, molecular genetics and biotechnology, cell regulation, cell differentiation and evolutionary development. The philosophy of science, methods of scientific inquiry and experimental design are foundational to the course. This course is intended for biology majors. (C-ID BIOL 190; BIO 135 S when BIO 255 and BIO 257 are also completed)

*Prerequisite: CHM 250 with a minimum grade of C***BIO-255 Botany, Plant Diversity, and Ecology**CSU, UC, Cal-GETC (5B, 5C),
MC (5)

4.0 Units / 3.0 hours LEC; 4.0 hours LAB

Credit course for grade or Pass / No Pass

This course will cover comparative diversity, structure, and function of plant, fungal, and protist phyla. Topics include development, morphology, physiology, taxonomy, and systematics. Principles of population and community ecology and ecosystem interactions are emphasized. Lecture and laboratory. This course is intended for biology majors. (C-ID BIOL 155; BIO 135 S when BIO 250 and BIO 257 are also completed)

*Prerequisite: Intermediate Algebra, High School Algebra II, Integrated Math 3, or placement into MTH 121**Recommended Preparation: BIO 250 and CHM 250 with a minimum grade of C*

COURSES

BIO-257 Zoology, Animal Diversity, and Evolution

CSU, UC, Cal-GETC (5B, 5C),
MC (5)

4.0 Units / 3.0 hours LEC; 4.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover a survey of animal phyla and non-photosynthetic, single-celled, eukaryotic taxa. It includes the comparative structure, function, and life cycles of animals, as well as principles of evolution, taxonomy, and systematics. Topics include development, morphology and physiology, phylogeny, and behavior of animals, as well as principles of evolution, mechanisms of evolutionary change, and speciation. Lecture and laboratory. This course is intended for biology majors. (C-ID BIOL 150; BIO 135 S when BIO 250 and BIO 255 are also completed)

Prerequisite: Intermediate Algebra, High School Algebra II, Integrated Math 3, or placement into MTH 121

Recommended Preparation: BIO 250 and CHM 250 with a minimum grade of C

BIO-259 Microbiology

CSU, UC, Cal-GETC (5B, 5C),
MC (5)

5.0 Units / 4.0 hours LEC; 4.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the morphology, growth, metabolism, genetics, and ecology of bacteria and microorganisms and their role in areas related to human health and disease. Emphasis on laboratory techniques.

Prerequisite: BIO 231 or BIO 250 and CHM 200 or CHM 250 with a minimum grade of C

BUSINESS

BUS-50 Mathematical Applications in Business

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover the application of basic mathematical and algebraic skills to the business environment.

Business applications include pricing, payroll, accounting, simple interest, compound interest, annuities, investments, statistics, and the Metric System. (C-ID BSOT 115 X)

BUS-106 Retail Management

CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will provide students with an overview of management of retail businesses including retail promotions, visual merchandising, communications, customer service, inventory control, supervision of personnel.

Recommended Preparation: ENGL C1000

BUS-107 Customer Service

CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover the principles and techniques of delivering excellent customer service. Topics include employer and customer perspectives, interpersonal communications, developing empathetic customer resolutions, customer retention strategies, as well as marketing and sales strategies. The course covers individualized communication and problem solving skill development as well as the efficacy of customer service in achieving general business, hospitality, food service, and retail industry goals.

Recommended Preparation: ENGL C1000

BUS-108 Computerized Accounting

CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover the use of computerized accounting software in the accounting cycle from account set-up to through closing process.

Recommended Preparation: Basic ability to use a Windows-based computer

BUS-110 Payroll Taxation

CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover current Federal and California laws and regulations relating to the payroll function of a business. Using computerized payroll software, this course will cover the fundamentals of record keeping, calculations, deductions and required payroll tax form preparation.

BUS-111 Federal Tax Accounting

CSU

*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will cover the fundamentals of federal income taxation using current forms, regulations, rulings, and procedures. Additional topics include tax incidence of individual and business income, deductions, and credits.

BUS-114 Governmental Accounting

CSU

*3.0 Units / 3.0 hours LEC**Credit course for letter grade only*

This course introduces the principles, concepts, and procedures of governmental and not-for-profit accounting, with emphasis on fund accounting, budgetary control, encumbrance accounting, and financial reporting under Generally Accepted Accounting Principles ("GAAP") and the Government Accounting Standards Board ("GASB") standards. The course emphasizes transparency, accountability, and ethics in public finance. Students will analyze the structure of public-sector financial systems and compare governmental, proprietary, and fiduciary fund reporting. California local government finance topics, including Proposition 13, Assembly Bill ("AB") 1600, and Government Finance Officers Association ("GFOA") best practices are explored.

Prerequisite: BUS 200, with a grade of C or better, or equivalent

BUS-132 Entrepreneurial Management

CSU

*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will explore the entrepreneurial process, from idea generation and assessment, to business planning, launch, and growth. Students learn how to develop and assess a business idea, decide on an appropriate structure, prepare the basic components of a business plan, articulate a funding strategy, and prepare for the launch and management of a new enterprise.

Recommended Preparation: ENGL C1000

BUS-134 Human Relations in BusinessCSU,
MC (4)*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will examine the role of the supervisor/manager and provides an understanding of how to work with people in an organizational setting. It will also emphasize perception, motivation, communication, leadership styles, group dynamics, decision making, teamwork, diversity in the workplace and managing change. (C-ID HOSP 170 X when CAM 161 is also completed)

Recommended Preparation: ENGL C1000

BUS-135 Human Resource Management

CSU

*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will provide a general introduction to the basic facets of Human Resource Management. Students will have the opportunity to investigate various Human Resource issues including interviewing, performance evaluations, hiring, compensation and benefits, and legal issues.

Recommended Preparation: ENGL C1000

BUS-136 Introduction to Management

CSU

*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will provide students with basic knowledge of management concepts and vocabulary. Topics covered will include the management functions of planning, organizing, leading, controlling. Students will learn about the history of management philosophy, the characteristics of effective managers, business ethics, communication, diversity in the workplace, and teamwork.

Recommended Preparation: ENGL C1000

BUS-150 Entrepreneurial Marketing

CSU

*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will cover the nature, functions and importance of marketing as applicable to the entrepreneur. Topics will include creating and distributing goods and services, and promotional activities including advertising, e-commerce, public relations, and sales promotion.

Recommended Preparation: ENGL C1000

COURSES

- BUS-151 Introduction to Marketing** CSU
3.0 Units / 3.0 hours LEC
Credit course for grade or Pass / No Pass
This course will explore the nature, functions, and importance of marketing. Topics covered will include consumer behavior, pricing, product development, market research, distribution, and elements of promotion such as public relations, advertising, social media, personal selling, and e-commerce.
Recommended Preparation: ENGL C1000
- BUS-170 Business Communication Skills for Managers** CSU
3.0 Units / 3.0 hours LEC
Credit course for letter grade only
This course will cover the principles of effective and ethical communication for business managers and customer service professionals. The course will emphasize planning, organizing, composing, and revising business documents using word processing software for written documents and presentation-graphics software to create and deliver professional-level oral reports. (C-ID BUS 115)
Recommended Preparation: ENGL C1000
- BUS-200 Financial Accounting** CSU, UC
4.0 Units / 4.0 hours LEC
Credit course for grade or Pass / No Pass
This course will cover financial accounting as an information system of business managers, investors, and creditors. The course will focus on processing economic transactions through the accounting cycle according to Generally Accepted Accounting Principles (GAAP). This course covers the accounting process from source documents to the financial statements and statement analysis. This course covers generally accepted corporate accounting practices and current issues relating to asset, liability, and equity valuation; revenue and expense recognition; cash flow; internal controls and ethics. (C-ID ACCT 110)
Recommended Preparation: BUS 50, with data-entry and spreadsheet software experience, and ENGL C1000
- BUS-201 Managerial Accounting** CSU, UC
4.0 Units / 4.0 hours LEC
Credit course for grade or Pass / No Pass
This course will cover the accounting information system used by business managers to make decisions. The course will cover the use of analytical tools in the areas of: product pricing; profitability; cost behaviors and break-even; factory overhead cost application; operating and cash flow budgeting; capital investment using discounted valuation; centralized and decentralized performance evaluation; and activity based costing. (C-ID ACCT 120)
Prerequisite: BUS 200 with a minimum grade of C
Recommended Preparation: BUS 50, knowledge of spreadsheet software, and ENGL C1000
- BUS-212 The Legal Environment of Business** CSU, UC,
MC (4)
3.0 Units / 3.0 hours LEC
Credit course for grade or Pass / No Pass
This course will cover fundamental legal principles pertaining to transactions in the business environment. Legal topics include: the law as an instrument of social and political control in society; law and ethics; contract law; torts; agency; judicial and administrative processes; employment law; legal forms of business organizations; as well as domestic and international governmental regulations. (C-ID BUS 120)
Recommended Preparation: ENGL C1000
- BUS-230 Introduction to Business** CSU, UC,
MC (4)
3.0 Units / 3.0 hours LEC
Credit course for grade or Pass / No Pass
This course will cover the complexities, relationships, and functions of such areas as management, marketing, accounting, finance, operations, human resources, information technology, legal issues, and the regulatory environment in business. (C-ID BUS 110)
Recommended Preparation: ENGL C1000

CHEMISTRY**CHM-199 Independent Study**

CSU

0.5 - 4.0 Units / 1.5 - 12.0 hours LAB**Credit course for grade or Pass/No Pass**

This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.

Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.

CHM-200 Introduction to ChemistryCSU, UC, Cal-GETC (5A, 5C),
MC (5)**5.0 Units / 4.0 hours LEC; 3.0 hours LAB****Credit course for letter grade only**

This course will introduce fundamental concepts in chemistry and common chemical laboratory techniques and discuss their application to other fields of science and global and societal issues facing our communities. Specific topics will include scientific measurement, atoms, compounds, nomenclature, chemical reactions, aqueous solutions, gases, pH, and chemical calculations. This course is intended for health sciences, general education, and as a prerequisite for CHM 250. (C-ID CHEM 101)

Prerequisite: MTH 205, with a minimum grade of C, or one year of high school algebra, or placement into STAT C1000

CHM-202 Introduction to Organic and BiochemistryCSU, UC, Cal-GETC (5A, 5C),
MC (5)**4.0 Units / 3.0 hours LEC; 3.0 hours LAB****Credit course for letter grade only**

This course will survey general organic chemistry and biological chemistry as they apply to living systems.

Exploration of carbon containing compounds such as hydrocarbons and compounds with oxygen, sulfur, nitrogen, and halogens, provides insight into biological molecules central to cellular structure and cellular processes. General topics include molecular structures, functional groups, chemical nomenclature, physical properties, and chemical reactivity as they apply to organic and biological chemistry. Families of mono-functional organic molecules include alkanes, alkyl halides, alkenes, alkynes, alcohols, ethers, thiols, carboxylic acids, amines, esters, and amides.

Biological compounds include carbohydrates, lipids, amino acids, peptides, proteins, and nucleic acids. This lecture with laboratory is the second semester of a one-year sequence that prepares students for nursing school and other allied health fields. (C-ID CHEM 102)

Prerequisite: CHM 200 with a minimum grade of C

CHM-250 General Chemistry ICSU, UC, Cal-GETC (5A, 5C),
MC (5)**5.0 Units / 4.0 hours LEC; 4.0 hours LAB****Credit course for letter grade only**

This course will study general chemical principles and introduce common laboratory techniques. Specific topics will include scientific measurement, matter, atomic structure, the periodic table, chemical bonding, energy, nomenclature, reactions, mass relationships, gases, and aqueous solutions. This course is intended for science, engineering, and pre-professional majors. (C-ID CHEM 110; CHEM 120 S when CHM 251 is also completed)

Prerequisite: CHM 200, with a minimum grade of C, or one year of high school chemistry, and Intermediate Algebra or equivalent, or placement into MTH 121

CHM-251 General Chemistry IICSU, UC, Cal-GETC (5A, 5C),
MC (5)**5.0 Units / 4.0 hours LEC; 4.0 hours LAB****Credit course for letter grade only**

This course will study general chemical principles and build upon concepts from general chemistry I, and these principles will be explored and analyzed in the chemical laboratory. Specific topics will include intermolecular forces, mixtures, properties of solutions, chemical kinetics, equilibrium, acid-base behavior, solubility, thermodynamics, electrochemistry, and metal complexes. This course is intended for science, engineering, and pre-professional majors. (C-ID CHEM 120 S when CHM 250 is also completed)

Prerequisite: CHM 250 with a minimum grade of C

COURSES

CHM-255 Organic Chemistry I

5.0 Units / 3.0 hours LEC; 6.0 hours LAB

Credit course for letter grade only

CSU, UC, Cal-GETC (5A, 5C),
MC (5)

The course will study the nomenclature, structure, reactivity and mechanisms relating to the functional groups of hydrocarbons, alkyl halides, alcohols and ethers, as well as, the use of spectroscopy as it relates to analysis of the functional groups. The lab portion of this course is an introduction to microscale laboratory techniques of organic chemistry, and techniques include: separating, purification, synthesis, and isolation of organic compounds as natural products. This is the first semester of a two-semester sequence. This organic chemistry course is part of our A.S. in Chemistry UC Transfer Pathway and is intended for science majors primarily in chemistry, chemical engineering, biochemistry, biology, environmental toxicology, pre-medical, pre-dental, and pre-veterinary. (C-ID CHEM 150; CHEM 160 S when CHM 256 is also completed)

Prerequisite: CHM 251 with a minimum grade of C

CHM-256 Organic Chemistry II

5.0 Units / 3.0 hours LEC; 6.0 hours LAB

Credit course for letter grade only

CSU, UC, Cal-GETC (5A, 5C),
MC (5)

This course will study organic reactions, multi-step synthetic preparation, and mechanisms for various functional groups including: aromatic compounds, aldehydes, ketones, carboxylic acids, phenols, thiols, and the chemistry of biomolecules such as carbohydrates, lipids, amino acids, proteins, and synthetic polymers. This is the second semester of a two-semester sequence and includes laboratory. This organic chemistry course is for science majors primarily in chemistry, chemical engineering, biochemistry, biology, environmental toxicology, pre-medical, pre-dental, and pre-veterinary. (C-ID CHEM 160 S when CHM 255 is also completed)

Prerequisite: CHM 255 with a minimum grade of C

CHILD DEVELOPMENT

CDV-70A Ages and Stages of Development

1.0 Units / 0.5 hours LEC; 1.5 hours LAB

Credit course for grade or Pass/No Pass

This class will explore the ages and stages of development from birth to age 6.

Limitation on Enrollment: Student must have a child enrolled in the Child Development Center, provide proof of negative Pulmonary Tuberculosis (TB) test results and proof of immunization for MMR, DTaP, and an influenza vaccine received between August 1 and December 1 of that academic year or letter indicating decision to opt out of influenza vaccine.

CDV-70B Language and Literacy Development with Young Children

1.0 Units / 0.5 hours LEC; 1.5 hours LAB

Credit course for grade or Pass/No Pass

This course will introduce students to the process of language development in young children. It will include an examination of how to encourage early literacy.

Limitation on Enrollment: Student must have a child enrolled in the Child Development Center, provide proof of negative Pulmonary Tuberculosis (TB) test results and proof of immunization for MMR, DTaP, and an influenza vaccine received between August 1 and December 1 of that academic year or letter indicating decision to opt out of influenza vaccine.

CDV-70C Guidance and Discipline for Young Children

1.0 Units / 0.5 hours LEC; 1.5 hours LAB

Credit course for grade or Pass/No Pass

This course will introduce a framework for implementing positive guidance techniques for young children.

Limitation on Enrollment: Student must have a child enrolled in the Child Development Center, provide proof of negative Pulmonary Tuberculosis (TB) test results and proof of immunization for MMR, DTaP, and an influenza vaccine received between August 1 and December 1 of that academic year or letter indicating decision to opt out of influenza vaccine.

CDV-70D Math and Science for Young Children

1.0 Units / 1.0 hours LEC

Credit course for grade or Pass/No Pass

This course will introduce philosophy, principles and implementation of math as well as natural and physical science experiences for young children.

Limitation on Enrollment: Student must have a child enrolled in the Child Development Center, provide proof of negative Pulmonary Tuberculosis (TB) test results and proof of immunization for MMR, DTaP, and an influenza vaccine received between August 1 and December 1 of that academic year or letter indicating decision to opt out of influenza vaccine.

CDV-100 Principles and Practices of Teaching Young Children

CSU

*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass/No Pass*

This course will introduce concepts of early childhood education, including an overview of the history of the field, professional practices and ethics, and developmentally appropriate educational principles and practices that support child development from birth through the school-age years. The early education principle of teaching practices based on observation, documentation, and interpretation of children's behavior will be introduced. The importance of the teacher/child relationship based on positive, supportive, culturally relevant, language inclusive, and mutually rewarding interactions is a foundation of the course. CDV 100 is recommended as the first course for students interested in learning more about the field. (C-ID ECE 120)

CDV-101 Introduction to Curriculum in Early Childhood Education

CSU

*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass/No Pass*

This course will present an overview of knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age 8. Students will examine a teacher's role in supporting development and engagement for all young children by integrating theory to practice of planning and implementing routines in an early childhood classroom. This course provides strategies for developmentally appropriate practice based on observation and assessments across the curriculum, including academic content areas; play, art, and creativity; and development of social-emotional, communication, and cognitive skills. (C-ID ECE 130)

CDV-106 Children with Exceptional Needs

CSU

*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass/No Pass*

This course will introduce students to the developmental issues, characteristics, and learning differences of children from birth through adolescence with exceptional needs, including gifted and talented. Current educational strategies, including assessment and curriculum design will be presented. Community resources, advocacy, and challenges for children with exceptional needs and their families will be examined.

CDV-107 Practicum in Child Development

CSU

*4.0 Units / 2.0 hours LEC; 6.0 hours LAB**Credit course for grade or Pass/No Pass*

This course will allow students to demonstrate developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Reflective practice will be emphasized as student teachers design, implement, and evaluate approaches, strategies, and techniques that promote development and learning. Includes exploration of career pathways, professional development, and teacher responsibilities. To participate in the lab portion of the course, students must complete any clearance processes required by the cooperating lab site's policies. These may include, but are not limited to, fingerprinting, background checks, mandated reporter training, and proof of immunizations. (C-ID ECE 210)

Prerequisite: CDV 100, CDV 101, CDV 200, and CDV 280, with a minimum grade of C

CDV-108 Observation and Assessment

CSU

*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass/No Pass*

This course will introduce the appropriate use of assessment and observation tools and strategies to document young children's development and learning. The use of findings to inform and plan learning environments and experiences are emphasized. Recording strategies, rating systems, portfolios, and multiple assessment tools will be discussed, along with strategies for collaboration with families and professionals. (C-ID ECE 200)

Limitation on Enrollment: Negative TB test and Good Health Statement required for enrollment

CDV-109 Child Health, Nutrition, and Safety

CSU

*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass/No Pass*

This course will introduce the laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in care and education settings for children birth through middle childhood. Includes the teacher's role in prevention strategies, nutrition, and meal planning, integrating health safety and nutrition experiences into daily routines, and overall risk management. Course emphasis is placed on integrating and maintaining the optimal health, safety, and nutritional concepts in everyday planning and program development for all children. (C-ID ECE 220)

COURSES

CDV-120 Infants and Toddler Development and Care CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will examine principles and philosophy of care for children up to three years of age including: growth and development, health and nutritional needs, social-emotional needs, cognitive development, language development, development of a positive self-image, community resources, and cultural and ethnic differences.

CDV-121 Infant and Toddler Curriculum CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will explore different curricular areas for infant/toddler development including physical, emotional, social, and intellectual. Principles of childcare, nutrition, health practices, and curriculum for children ages birth through three years will be discussed. This includes strategies for designing, implementing, and evaluating group care programs for infants.

CDV-125 Creative Activities CSU, MC (3)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will introduce students to educational activities suitable for children in art, music, movement, literature, and drama. It is designed for teachers, aides, parents and people who provide care for children ages two through eight. Students will gain an enhanced understanding of the interrelationship between creative arts and the self. Students will engage in creative and subjective responses to a variety of aesthetic experiences.

CDV-130 Administration of Preschools/Child Care Centers CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will introduce the elements of program planning, legal requirements, supervision, and personnel administration for early childhood education and care facilities. The emphasis in this course is on privately funded facilities licensed under the Department of Social Services Community Care Licensing, Title 22, Health and Safety Code. Topics covered will include personnel management, professionalism, and parent community resources.

CDV-134 Advanced Administration of Preschools/Child Care Centers CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will examine the principles of administration and coordination of multi-faceted Child Development Programs. Students analyze state and federal regulations and learn how to apply the information to developing and supervising a comprehensive, culturally sensitive, developmentally appropriate program. In addition, students learn about how to write grants and proposals for funds, use advocacy skills for community improvement, develop leadership skills and team management techniques, develop a comprehensive parent partnership, work with program evaluation tools, and understand legal issues. This course partially fulfills the licensing requirement for the director.

CDV-135 Supervision of Adults in a Child Development Program CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will explore methods and principles of supervising auxiliary staff and trainees in early childhood programs. It explores the role of experienced teachers who function as mentors to new teachers and staff while addressing the needs of children, parents and other staff. This course satisfies the adult supervision requirement for receiving a Supervising Teacher Permit from the California Commission on Teacher Credentialing.

Recommended Preparation: CDV 100 or CDV 101

CDV-140 School-Aged Children and Youth CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will introduce students to teaching and working with children (ages 5 through adolescence) in various school settings and programs. This course will focus on curriculum that is developmentally appropriate and the development of trusting and inclusive learning environments. Theories related to the growth and development of school age children and issues related to school age programs are explored.

CDV-161 Active Learning and Play

CSU

*1.0 Units/1.0 hours LEC**Credit course for grade or Pass/No Pass*

This course will examine the value of play and how to create an environment for active learning. Course may not meet major requirements at transfer institutions. See your counselor for more information.

Recommended Preparation: CDV 101 or CDV 125

CDV-199 Independent Study

CSU

*1.0 - 4.0 Units/3.0 - 12.0 hours LAB**Credit course for grade or Pass/No Pass*

This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.

Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.

CDV-200 Child Growth and Development: Conception through AdolescenceCSU, UC, Cal-GETC (4),
MC (4, Wellness)*3.0 Units/3.0 hours LEC**Credit course for grade or Pass/No Pass*

This course will examine the progression of development in the physical, cognitive, social, and emotional domains and identifies developmental milestones for children from conception through adolescence. Emphasis on interactions between biological processes and environmental factors. Students will observe children, evaluate individual differences, and analyze characteristics of development at various stages according to developmental theories. The material in this course is designed as a foundation for teaching in elementary school, nursing, early childhood education, and parenting. (C-ID CDEV 100)

CDV-202 Culture and Diversity in Early Childhood EducationCSU, UC,
MC (4, Culture)*3.0 Units/3.0 hours LEC**Credit course for grade or Pass/No Pass*

This course will examine the historical and current perspectives on diversity and inclusion and the impact of systemic societal influences on children's development, learning and school experiences. Strategies for developmentally-, culturally-, and linguistically appropriate anti-bias curriculum will be explored as well as approaches to promote inclusive and anti-racist classroom communities. Includes self-reflection on the influence of teachers' own culture and life experiences on teaching and interactions with children and families. (C-ID ECE 230)

CDV-280 The Child, the Family, and the CommunityCSU, UC, Cal-GETC (4),
MC (4)*3.0 Units/3.0 hours LEC**Credit course for grade or Pass/No Pass*

The course will examine the processes of socialization focusing on the interrelationship of family, school, and community. Examines the influence of multiple societal contexts. Explores the role of collaboration between family, community, and schools in supporting children's development, from birth through adolescence. (C-ID CDEV 110)

CLOTHING**CLO-80 Beginning Clothing Construction***3.0 Units/1.5 hours LEC; 4.5 hours LAB**Credit course for grade or Pass/No Pass*

This course will introduce basic clothing construction techniques. Emphasis is on the development of sewing skills, the use and care of equipment, and selection of proper tools, patterns, and fabric. No sewing experience is required.

CLO-81 Intermediate Clothing Construction*3.0 Units/1.5 hours LEC; 4.5 hours LAB**Credit course for grade or Pass/No Pass*

This intermediate course will build on the skills developed in the beginning level. Focus is on custom garment construction, proper fitting and basic alternations and the various types of sleeves. Knowledge of the differences between natural and synthetic fabrics will be emphasized. Some sewing experience required.

Recommended Preparation: CLO 80 or similar experience

COURSES

CLO-82 Pattern Drafting

3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass/No Pass

This course will introduce the student to the art of pattern making. Draping and Flat Pattern drafting for a personal fit and originality will be emphasized. Grading and modifying of commercial patterns will also be included. Some sewing experience required.

Recommended Preparation: CLO 80 and CLO 81

CLO-83 Tailoring

3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass/No Pass

This course will explore more complex sewing techniques, providing the student with advanced skills; specifically, tailoring techniques used in the construction of coats, jackets and other structural garments. Students will be encouraged to explore fabric sustainability in the fashion industry. Emphasis will be placed on fashion industry processes, including the advanced use of the overlock machines, designer patterns, specialty fabrics, plaids, stripes, napped fabrics, and leathers.

Recommended Preparation: CLO 81

CLO-199 Independent Study

CSU

0.5 - 4.0 Units / 1.5 - 12.0 hours LAB

Credit course for grade or Pass/No Pass

This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.

Limitation on Enrollment: The student must be currently enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.

COLLEGE AND CAREER SUCCESS

CCS-100 Career Planning Success

CSU

1.5 - 3.0 Units / 1.5 - 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will introduce the career planning process, which is designed to help students find the best career options, based on their strengths, interests, and values. Two/three-unit courses also include developing job interviewing and resume writing skills.

CCS-101 Career and Life Planning

CSU,
MC (Wellness)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will assist students in establishing and achieving education, career, and life goals through a comprehensive approach to effective planning. Students will examine how psychological, social, physical and environmental factors impact career and life choices.

Recommended Preparation: Computer literacy

CCS-119 Orientation to College

CSU

0.5 - 1.5 Units / 0.5 - 1.5 hours LEC

Credit course for grade or Pass/No Pass

This course will provide an overview of campus resources, requirements, and skills important to the success of new college students.

CCS-123 Test Taking Success

CSU

1.0 Units / 1.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover the nature and causes of test anxiety, provide tools for reducing test anxiety, and provide test taking and studying strategies to improve test results.

CCS-124 Becoming a Successful Online Student

CSU

*1.0 Units / 1.0 hours LEC**Credit course for grade or Pass / No Pass*

This course explores the theory and practice of successful online learning. The course familiarizes students with the course management system used for online courses at Mendocino College and many California Community Colleges and offers practical guidance and hands-on experience in a variety of approaches for increasing their online learning success.

Recommended Preparation: Computer literacy

CCS-221 Becoming a Master Student

CSU, UC

*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will provide an exploration of intellectual, psychological, social and physical factors that impact college learning, well-being and success. Students will learn critical college-level skills and strategies for motivation and stress management and build a community for academic and personal support.

COMMUNICATION STUDIES**COMM-C1000 Introduction to Public Speaking**CSU, UC, Cal-GETC (1C),
MC (1B)*3.0 Units / 3.0 hours LEC**Credit course for letter grade only*

In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience and evaluation of various types of speeches, including informative and persuasive speeches. (C-ID COMM 110)

Recommended Preparation: ENGL C1000

COMM-200 Mass Media and SocietyCSU, UC,
MC (4)*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will introduce students to the history, structure, function and influence of all major forms of mass media and their support industries.

COMM-201 Writing for the Mass Media

CSU, UC

*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will introduce reporting and writing for media, including print, online and broadcast. It will include applying the fundamentals of reporting, writing and critical thinking to a variety of audio visual mediums. Course content will focus on gathering multimedia elements and transforming these into a wide variety of multimedia projects. (C-ID JOUR 120)

COMM-202 Argumentation and DebateCSU, UC,
MC (1B)*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will prepare students to present sound arguments and evaluate the arguments of others in both written and verbal formats. Students learn to assert a clear thesis and provide appropriate evidence in the context of verbal argument and debate. A series of writing assignments will focus on developing critical thinking skills, persuasive rhetoric, and sophisticated argumentative skills. The fundamentals of analysis, case building and dissent are discussed and applied to written assignments and oral presentations. (C-ID COMM 120)

Prerequisite: ENGL C1000 with a minimum grade of C

COMM-210 Interpersonal CommunicationCSU, UC,
MC (1B)*3.0 Units / 3.0 hours LEC**Credit course for letter grade only*

This course will introduce the student to interpersonal communication theories, rational dialogue, and cooperative analysis of communicative events. Students will study communicative interactions, their symbolic processes, reasoning and advocacy, and the effects of communication on people and society. (C-ID COMM 130)

COURSES

COMM-211 Intercultural Communication CSU, UC, Cal-GETC (4),
3.0 Units / 3.0 hours LEC MC (4, Culture)
Credit course for letter grade only
This course will introduce students to the influence of culture on identity, perception, social organization, and language in both domestic and global contexts. (C-ID COMM 150)
Recommended Preparation: ENGL C1000

COMPUTER SCIENCE

CSC-102 IT and Computer Science Career Exploration CSU
1.0 Units / 1.0 hours LEC
Credit course for grade or Pass / No Pass
This course will provide Information Technology Instructors with a resource to introduce students to the many career opportunities in the Information Technology, Computer Science, and related professions.

CSC-104 Computers and Computer Applications CSU,
3.0 Units / 2.5 hours LEC; 1.5 hours LAB MC (1B)
Credit course for letter grade only
This course will present the computer as a problem-solving tool, with a focus on word processing, spreadsheet, presentation, email and group scheduling applications. Additional topics include an introduction to fundamental computer concepts such as operating systems, hardware, networking and graphics.

CSC-105 Introduction to Linux I CSU
1.5 Units / 1.25 hours LEC; 0.75 hours LAB
Credit course for grade or Pass / No Pass
This course will present a survey of Linux operating systems and related subject matter. Topics include Linux architecture, commands, file system, processes, and shell programming. Lectures and laboratory exercises provide a moderate understanding of Linux architecture and commands.

CSC-106 Introduction to Linux II CSU
1.5 Units / 1.25 hours LEC; 0.75 hours LAB
Credit course for grade or Pass / No Pass
This course will present a continued survey of Linux operating systems and related subject matter. Topics include Linux system administration and advanced shell scripting.
Prerequisite: CSC 105 with a minimum grade of C

CSC-109A IT Support I CSU
1.0 Units / 3.0 hours LAB
Credit course for grade or Pass / No Pass
This course will provide an opportunity for students to learn and practice information technology support operations at an introductory level of responsibility. Students will focus on working with a help desk system, preparing and validating troubleshooting procedures, and performing actual troubleshooting operations.
Recommended Preparation: CSC 116

CSC-109B IT Support II CSU
1.0 Units / 3.0 hours LAB
Credit course for grade or Pass / No Pass
This course will provide an opportunity for students to learn and practice information technology support operations at an intermediate level of responsibility. Students will focus on working with a help desk system, preparing and validating troubleshooting procedures, performing actual troubleshooting operations, supervising other students, and performing operational analyses.
Prerequisite: CSC 109A with a minimum grade of C

CSC-116 Information & Communication Technology Essentials CSU
4.0 Units / 3.0 hours LEC; 3.0 hours LAB
Credit course for letter grade only
This course will provide an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level ICT professionals. The fundamentals of computer hardware and software as well as advanced concepts such as security, networking, and the responsibilities of an ICT professional will be introduced. This course also prepares students for the CompTIA A+ certification exams. (C-ID ITIS 110)

CSC-117 Computer Network Fundamentals

CSU

3.0 Units / 2.0 hours LEC; 3.0 hours LAB*Credit course for letter grade only*

This course will introduce the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP (Internet Protocol) addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for further study of computer networks. It uses the OSI (Open Systems Interconnection) and TCP (Transmission Control Protocol) layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. This course also prepares students for entry-level industry certification exams such as the CompTIA Network+ certification exam and Cisco CCT/CCNA exams. (C-ID ITIS 150)

CSC-118 Introduction to Information Systems Security

CSU

3.0 Units / 2.5 hours LEC; 1.5 hours LAB*Credit course for grade or Pass/No Pass*

This course will provide students with an introduction to the fundamental principles and topics of Information Technology Security and Risk Management at the organizational level. It addresses hardware, software, processes, communications, applications, and policies and procedures with respect to organizational Cybersecurity and Risk Management. This course also prepares students for the CompTIA Security+ certification exams. (C-ID ITIS 160)
Prerequisite: CSC 117 with a minimum grade of C

CSC-130 Web Design and DevelopmentCSU,
MC (1B)**3.0 Units / 2.5 hours LEC; 1.5 hours LAB***Credit course for grade or Pass/No Pass*

This course will present technologies and best practices for the creation of web content with emphasis on user experience and responsive design. Tools and assignments will focus on design using the latest World Wide Web Consortium (W3C) standards for content and presentation.

CSC-141 AI Literacy

CSU

3.0 Units / 3.0 hours LEC*Credit course for grade or Pass/No Pass*

This course provides students from all disciplines with essential AI literacy skills needed to navigate an AI-integrated world. Students will develop a foundational understanding of AI technologies, learn to interact responsibly with AI tools, critically evaluate ethical implications, and explore AI's societal impact across various fields. The course emphasizes hands-on experience with AI applications while fostering critical thinking about AI's role in personal, academic, and professional contexts.

CSC-150 Python Programming for Cybersecurity

CSU

3.0 Units / 2.0 hours LEC; 3.0 hours LAB*Credit course for grade or Pass/No Pass*

This course will provide students with Python programming skills essential for today's cybersecurity landscape. Students will master core Python concepts while applying them to automate security tasks, detect vulnerabilities, and prepare scripts/programs across the Cybersecurity landscape. This is a hands-on class designed to enhance a student's understanding and proficiency in applying Python for cybersecurity solutions. Previous networking and cybersecurity knowledge is recommended.

*Recommended Preparation: CSC 118 and CSC 152***CSC-152 Network OS and Administration**

CSU

3.0 Units / 2.0 hours LEC; 3.0 hours LAB*Credit course for grade or Pass/No Pass*

This course will provide students with the knowledge and skills required to maintain reliable computer systems in a multi-user environment. The student will learn about system hardware, software, storage, best practices, disaster recovery, and troubleshooting, with additional coverage of virtualization, cloud technologies, security, and scalability. (C-ID ITIS 155)

Recommended Preparation: CSC 116 and CSC 117

COURSES

CSC-154 Network Security CSU

3.0 Units / 2.0 hours LEC; 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will provide students the opportunity to learn how to configure and use threat detection tools, perform data analysis, and interpret the results to identify vulnerabilities, threats, and risks to an organization with the end goal of securing and protecting applications and systems within an organization. The course covers skills used by Information Security (IT) security analysts, vulnerability analysts, or threat intelligence analysts with a technical, "hands-on" focus on IT security analytics. Upon successful completion, students' qualify to take CompTIA's Cybersecurity Analyst (CySA+) certification exam. (C-ID ITIS 161)

Recommended Preparation: CSC 117 and CSC 118

CSC-156 Digital Forensics Fundamentals CSU

3.0 Units / 2.0 hours LEC; 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will introduce the methods used to properly conduct a digital forensics investigation including device, network and cloud forensics. As part of this course, the core competencies of the International Association of Computer Investigative Specialists (IACIS) Certified Forensic Computer Examiner (CFCE) program are covered. Topics covered include an overview of computer forensics as a profession; the computer investigation process; understanding operating systems boot processes and disk structures; network forensics; malware forensics; and technical report writing. Students successfully completing this course will also qualify for EC-Council's Computer Hacking Forensic Investigator (CHFI) certification exam. (C-ID ITIS 165)

Recommended Preparation: CSC 116

CSC-158 Introduction to Cybersecurity: Ethical Hacking CSU

3.0 Units / 2.0 hours LEC; 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course introduces students to network security specialists concepts, principles, and techniques related to network attacks and defenses within the context of properly securing a network. Students will examine how networks are attacked and disabled, along with appropriate defenses and countermeasures. Course content will address relevant tools, security controls, and protective measures aligned with industry-recognized certifications such as EC-Council's Certified Ethical Hacker (CEH). Students who successfully complete this course qualify to take EC-Council's CEH Certification Exam. (C-ID ITIS 164)

Recommended Preparation: CSC 117 and CSC 118

CSC-159 Fundamentals of Penetration Testing CSU

4.0 Units / 2.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass/No Pass

This course will help students learn how to perform an effective penetration test in an enterprise network environment that must be attacked, exploited, evaded, and defended. This course also covers how to pen test IoT systems, OT systems, how to write your own exploits, build your own tools, conduct advanced binaries exploitation, double pivot to access hidden networks, and also customize scripts/exploits to get into the innermost segments of the network.

Prerequisite: CSC 158 with a minimum grade of C

CSC-161 Cloud Infrastructure and Security CSU

3.0 Units / 2.0 hours LEC; 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover cloud deployment and service models, cloud infrastructure, and the key considerations in migrating to cloud computing. . Students will be introduced to the various cloud computing delivery models, ranging from Software as a Service (SaaS) to Infrastructure as a Service (IaaS) and how each delivery models represents an entirely separate set of security conditions to consider, especially when coupled with various cloud types, including public, private, and hybrid. The course will also touch on architecture and infrastructure fundamentals for the private, public, and hybrid clouds, including a wide range of topics such as patch and configuration management, virtualization security, application security, and change management. (C-ID ITIS 170)

Recommended Preparation: CSC 118

CSC-164 Electronic Spreadsheets CSU

3.0 Units / 2.5 hours LEC; 1.5 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the use of electronic spreadsheets to solve business problems. Students will create a variety of spreadsheets from simple to complex using data, formulas and "what if" scenarios.

Prerequisite: CSC 104 with a minimum grade of C

CSC-166 Database**3.0 Units / 2.5 hours LEC; 1.5 hours LAB***Credit course for grade or Pass/No Pass*

This course will cover the concepts, terminology uses and applications of database software in small businesses with emphasis on records management. Students will examine and learn to use modern database software to organize, store, and retrieve data and information.

CSU,
MC (2)**CSC-199 Independent Study****0.5 - 4.0 Units / 1.5 - 12.0 hours LAB***Credit course for grade or Pass/No Pass*

This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.

Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.

CSU

CSC-210 Computer Organization and Architecture**3.0 Units / 3.0 hours LEC***Credit course for letter grade only*

This course will explore the organization and behavior of real computer systems at the assembly-language level. The mapping of statements and constructs in a high-level language onto sequences of machine instructions is studied, as well as the internal representation of simple data types and structures. Numerical computation is examined, noting the various data representation errors and potential procedural errors. (C-ID COMP 142)

Prerequisite: CSC 221 with a minimum grade of C

CSU, UC,
MC (2)**CSC-210L Computer Organization and Architecture Lab****1.0 Units / 3.0 hours LAB***Credit course for grade or Pass/No Pass*

This course will provide guided, hands-on activities to support student learning in the concepts associated with Computer Organization and Architecture (CSC 210). This course is highly recommended for students taking CSC 210 with no prior programming experience or those without a solid foundation in programming.

Corequisite: CSC 210

CSU, UC

CSC-220 Introduction to Computer Science**4.0 Units / 3.5 hours LEC; 1.5 hours LAB***Credit course for letter grade only*

This course will present an overview of computers and computer science. Lecture and hands-on assignments cover a wide range of topics, from bits and transistors to 3D games and the Internet. Other topics include data representation, computing components, low- and high-level programming languages, algorithm design, operating systems, information systems, simulation and graphics. Students will give short presentations on current events and near-future technology changes. This course is suitable for all majors and is a recommended first course for Computer Science majors, along with CSC 221.

CSU, UC,
MC (1B)**CSC-221 Programming and Algorithms I****4.0 Units / 3.0 hours LEC; 3.0 hours LAB***Credit course for letter grade only*

This course will introduce the discipline of computer science using a high-level programming language, with a focus on practical, hands-on problem solving. It is intended both for computer science majors and for others seeking a general, formal introduction to computer programming. (C-ID COMP 122)

Recommended Preparation: Prior or concurrent enrollment in CSC 220

CSU, UC,
MC (2)**CSC-222 Programming and Algorithms II****4.0 Units / 3.0 hours LEC; 3.0 hours LAB***Credit course for letter grade only*

This course will explore the application of software engineering techniques, data structures, and associated algorithms to the design and development of computer programs. Programs are written in an appropriate and modern object-oriented language. (C-ID COMP 132)

Prerequisite: CSC 221 with a minimum grade of C

CSU, UC,
MC (2)

COURSES

CSC-240 Discrete Structures

3.0 Units / 3.0 hours LEC

CSU, UC, Cal-GETC (2),
MC (2)

Credit course for letter grade only

This course will introduce the discrete structures used in Computer Science, with an emphasis on their applications. Topics covered include: Functions, Relations and Sets; Basic Logic; Proof Techniques; Basics of Counting; Graphs and Trees; and Discrete Probability. (C-ID COMP 152)

Prerequisite: CSC 221, with a minimum grade of C, and MTH 80 or high school college-prep Algebra II with a minimum grade of C

CSC-500 Computer Laboratory

0.0 Units / 3.0 hours LAB

Noncredit Course

This course will provide Mendocino College students with personalized technical assistance on the use of the installed equipment and software on college desktop computers in order to facilitate student research, preparation, and completion of assignments from college courses.

Limitation on Enrollment: Concurrent enrollment in another Mendocino College course

Course exempt from repeat provisions

CSC-520 Beginning Computer Skills I

0.0 Units / 3.0 hours LAB

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will present basic computer use topics for students with little or no computer experience. Students will learn basic computer terminology, and will introduce concepts such as file management and applications. This course will introduce tools and techniques such as keyboarding, using a mouse, selecting/ highlighting, and Internet basics and safety.

Course exempt from repeat provisions

CSC-526 Beginning Computer Skills II

0.0 Units / 3.0 hours LAB

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will provide an introduction to the computer and the development of keyboarding skills. Topics include basic computer terminology, advanced file management, keyboarding, operating systems, and the Internet. Students will learn keyboarding, Internet use, and email.

Course exempt from repeat provisions

CSC-531 Word Processing I

0.0 Units / 0.25 hours LEC; 0.25 hours LAB

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will present the computer as a problem-solving tool, with a focus on word processing. Basic features of word processing applications and tools will be demonstrated with opportunities to apply skills in projects and assignments. Word Processing I is designed for community members and professionals looking to improve their use of a computer as a problem-solving tool.

Course exempt from repeat provisions

CSC-532 Word Processing II

0.0 Units / 0.25 hours LEC; 0.25 hours LAB

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will present the computer as a problem-solving tool, with a focus on word processing. Intermediate features of word processing applications and tools will be demonstrated with opportunities to apply skills in projects and assignments. Word Processing II is designed for community members and professionals looking to improve their use of a computer as a problem-solving tool.

Recommended Preparation: CSC 531

Course exempt from repeat provisions

CSC-541 Spreadsheets I

0.0 Units / 0.25 hours LEC; 0.25 hours LAB

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will present the computer as a problem-solving tool, with a focus on spreadsheets. Basic features of spreadsheet applications and tools will be demonstrated with opportunities to apply skills in projects and assignments. Spreadsheets I is designed for community members and professionals looking to improve their use of a computer as a problem-solving tool.

Course exempt from repeat provisions

CSC-542 Spreadsheets II**0.0 Units / 0.25 hours LEC; 0.25 hours LAB***Noncredit course for Pass/No Pass or Satisfactory Progress*

This course will present the computer as a problem-solving tool, with a focus on spreadsheets. Intermediate features of spreadsheet applications and tools will be demonstrated with opportunities to apply skills in projects and assignments. Spreadsheets II is designed for community members and professionals looking to improve their use of a computer as a problem-solving tool.

*Recommended Preparation: CSC 541**Course exempt from repeat provisions***CSC-551 Presentation I****0.0 Units / 0.25 hours LEC; 0.25 hours LAB***Noncredit course for Pass/No Pass or Satisfactory Progress*

This course will present the computer as a problem-solving tool, with a focus on presentations. Basic features of presentation applications and tools will be demonstrated with opportunities to apply skills in projects and assignments. Presentation I is designed for community members and professionals looking to improve their use of a computer as a problem-solving tool.

*Course exempt from repeat provisions***CSC-552 Presentation II****0.0 Units / 0.25 hours LEC; 0.25 hours LAB***Noncredit course for Pass/No Pass or Satisfactory Progress*

This course will present the computer as a problem-solving tool, with a focus on presentations. Intermediate features of presentation applications and tools will be demonstrated with opportunities to apply skills in projects and assignments. Presentation II is designed for community members and professionals looking to improve their use of a computer as a problem-solving tool.

*Recommended Preparation: CSC 551**Course exempt from repeat provisions***CULINARY ARTS MANAGEMENT****CAM-58 Chocolate and Confections****1.0 Units / 0.5 hours LEC; 1.5 hours LAB***Credit course for grade or Pass/No Pass*

This course will cover basic chocolate and confectionery techniques. Students will prepare a variety of classic and modern chocolate, crystalline, non-crystalline, and aerated confections.

CAM-68 Food Preservation**1.0 Units / 0.5 hours LEC; 1.5 hours LAB***Credit course for grade or Pass/No Pass*

This course will teach students how to safely preserve high quality foods by canning, drying, pickling, and freezing. Cheese making will be introduced. The manufacture of food products for sale, including regulations, will be discussed.

CAM-70A Seasonal Vegetarian Cuisine Late Summer/Early Fall**0.5 Units / 0.25 hours LEC; 0.75 hours LAB***Credit course for grade or Pass/No Pass*

This course will cover how to prepare healthy, seasonal, local vegetarian dishes of the late summer/early fall season. These dishes will be examined in historical, religious, and cultural contexts, with emphasis on their role in vegetarian diets globally.

CAM-70B Seasonal Vegetarian Cuisine Late Fall/Early Winter**0.5 Units / 0.25 hours LEC; 0.75 hours LAB***Credit course for grade or Pass/No Pass*

This course will cover how to prepare healthy, seasonal, local vegetarian dishes of the late fall/early winter season. These dishes will be examined in historical, religious, and cultural contexts, with emphasis on their role in vegetarian diets globally.

COURSES

CAM-70C Seasonal Vegetarian Cuisine Late Winter/Early Spring

0.5 Units / 0.25 hours LEC; 0.75 hours LAB

Credit course for grade or Pass / No Pass

This course will cover how to prepare healthy, seasonal, local vegetarian dishes of the late winter/early spring. These dishes will be examined in historical, religious, and cultural contexts, with emphasis on their role in vegetarian diets globally.

CAM-70D Seasonal Vegetarian Cuisine Late Spring/Early Summer

0.5 Units / 0.25 hours LEC; 0.75 hours LAB

Credit course for grade or Pass / No Pass

This course will cover how to prepare healthy, seasonal, local vegetarian dishes of the late spring/early summer. These dishes will be examined in historical, religious, and cultural contexts, with emphasis on their role in vegetarian diets globally.

CAM-71 Food and Wine Pairing

1.0 Units / 0.5 hours LEC; 1.5 hours LAB

Credit course for grade or Pass / No Pass

This course will cover the role of food and wine pairing in the contemporary foodservice operation.

Limitation on Enrollment: Must be 18 or older

CAM-101 Culinary Skills I

CSU

3.0 Units / 1.0 hours LEC; 6.0 hours LAB

Credit course for grade or Pass / No Pass

This class will provide the foundation for developing the culinary knowledge and skills necessary to be successful in a food service kitchen. Through theory and practical application, students learn industry standard practices for appetizers, soups, salads, lunch and dinner entrees. Knife skills and proper use of commercial cooking equipment are emphasized. The course includes planning and preparing meals for the public. (C-ID HOSP 160 when CAM 152 is also completed; HOSP 160 X)

Prerequisite: CAM 152, with a minimum grade of C, or a current Food Safety Manager's Certificate. Students must provide a copy of their certificate. The Food Handler's Certificate does not meet this requirement.

Corequisite: CAM 152

CAM-102 Culinary Skills II

CSU

3.0 Units / 1.0 hours LEC; 6.0 hours LAB

Credit course for grade or Pass / No Pass

This course will cover advanced culinary preparations and techniques. Students will apply skills learned in Culinary Skills I to more complex recipes using advanced preparation methods. Topics covered include flavor pairing, sauces, meat, poultry, egg and seafood dishes, presentation and selected bakery products. Recipes from a wide variety of styles and international cuisines will be incorporated and students will learn how to modify recipes into healthier alternatives.

Prerequisite: CAM 101 and CAM 152 with a minimum grade of C Corequisite: CAM 152

CAM-120 Let's Party: Introduction to Catering and Events

CSU

1.0 Units / 1.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover the basics of catering and event planning, including menu development, client relations, pricing, types of events and equipment needs. Effective time management in production and setup is emphasized.

CAM-121A Catering Lab I

CSU

0.5 - 1.0 Units / 1.5 - 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover production of catered events for the Mendocino College Culinary Arts Management program. Students will cater various types of events such as breakfast, lunches, dinners, coffee breaks, fundraisers, workshops and meetings. This course is for the beginning student with little or no experience in food production.

Prerequisite: CAM 120 and CAM 152 or a current Food Safety Manager's Certificate - Students must provide a copy of their certificate. The Food Handler's Certificate does not meet this requirement.

Corequisite: CAM 120 and CAM 152

CAM-121B Catering Lab II

CSU

0.5 - 1.0 Units / 1.5 - 3.0 hours LAB***Credit course for grade or Pass/No Pass***

This course will cover production of catered events for the Mendocino College Culinary Arts Management program. Students will cater various types of events such as breakfast, lunches, dinners, coffee breaks, fundraisers, workshops and meetings. This course is for the intermediate student with some experience in food production.

Prerequisite: CAM 121A with a minimum grade of C

CAM-121C Catering Lab III

CSU

0.5 - 1.0 Units / 1.5 - 3.0 hours LAB***Credit course for grade or Pass/No Pass***

This course will cover production of catered events for the Mendocino College Culinary Arts Management program. Students will cater various types of events such as breakfast, lunches, dinners, coffee breaks, fundraisers, workshops and meetings. This course is for the advanced student with significant experience in food production who is ready to take on a leadership role.

Prerequisite: CAM 121B with a minimum grade of C

CAM-130A Baking I

CSU

2.0 Units / 1.0 hours LEC; 3.0 hours LAB***Credit course for grade or Pass/No Pass***

This course will cover baking techniques, with a focus on breads and batters, including basic cakes. The class will have an experimental approach, with students testing recipe variations to learn ingredient functionality while developing creativity. Quality standards for a bake shop will be used to guide product evaluation. The history and culture of various bakery items will be studied. (C-ID HOSP 180 X when CAM 130B is also completed)

CAM-130B Baking II

CSU

2.0 Units / 1.0 hours LEC; 3.0 hours LAB***Credit course for grade or Pass/No Pass***

This course will cover advanced baking techniques, with a focus on yeast and wild-fermented breads, laminated doughs, pies, tarts, and breakfast pastries. The class will have an experimental approach, with students testing recipe variations to learn ingredient functionality while developing creativity. Quality standards for a bake shop will be used to guide product evaluation. (C-ID HOSP 180 X when CAM 130A is also completed)

Prerequisite: CAM 130A with a minimum grade of C

CAM-130C Pastry and Desserts

CSU

1.0 Units / 0.5 hours LEC; 1.5 hours LAB***Credit course for grade or Pass/No Pass***

This course will focus on the understanding and production of pastries and a wide variety of desserts. Types of pastries include pastry dough, pate a choux, savory and sweet pies and tarts, and cream puffs. Students will explore desserts from a variety of cultures which may include custards, puddings, fruit desserts, fried desserts, specialty cookies, trifles, mousses, and tortes. Contemporary plated desserts are emphasized.

CAM-140 Working the Room: Dining Room Service and Management

CSU

2.0 Units / 1.0 hours LEC; 3.0 hours LAB***Credit course for grade or Pass/No Pass***

This course will cover the development of dining room skills, including table service, large party service, catering management, and point of sales systems.

CAM-152 Food and Equipment Safety and Sanitation

CSU

1.0 Units / 1.0 hours LEC***Credit course for grade or Pass/No Pass***

This course will equip the student to prepare and store foods in a safe and sanitary manner, with attention to potentially hazardous foods. Topics covered include causes of foodborne illness and injury, how to minimize risk of foodborne illness using food safety controls, and government regulations. Facility design and maintenance and safe use of knives and commercial kitchen equipment will be discussed. Upon completion of this course, students will have the option to take a certification examination. (C-ID HOSP 160 when CAM 101 is also completed)

COURSES

CAM-154 Food and Beverage Cost Control: How to Make (and Keep) Your Money in the Restaurant Business CSU **1.5 Units/1.5 hours LEC**

Credit course for grade or Pass/No Pass

This course will cover all aspects of purchasing and cost control within the foodservice industry. Various costing techniques, menu item pricing, purchasing, forecasting, inventory maintenance, and labor scheduling are emphasized. (C-ID HOSP 130 when CAM 161 is also completed)

Recommended Preparation: Ability to work with fractions and decimals

CAM-161 Food Start-ups: Business Planning for Restaurants, Caterers, and Food Trucks CSU **3.0 Units/3.0 hours LEC**

Credit course for grade or Pass/No Pass

This course will cover food service management for all categories of operations. Topics include organizational structure, communication throughout the operation, event planning and management, on and off-site catering, dining room service and management, food and beverage marketing, legal considerations, job descriptions and hiring. Food Service math and computer applications will be integrated throughout the course. (C-ID HOSP 130 when CAM 154 is also completed; C-ID HOSP 170 X when BUS 134 is also completed)

Prerequisite: CAM 154 with a minimum grade of C

Corequisite: CAM 154

CAM-197A Culinary Arts Practicum CSU **3.0 - 8.0 Units/ Credit course for letter grade only**

This course will provide Culinary Arts Management certificate students the opportunity to apply knowledge, skills and attitudes learned in the classroom in an actual work setting.

Prerequisite: CAM 101 with a minimum grade of C

CAM-260 The Meaning of Food: The Forces That Shape Our Food Culture CSU, UC, MC (4) **3.0 Units/3.0 hours LEC**

Credit course for grade or Pass/No Pass

This course will provide students with an overview of the food system, through discussion of the past, present and future industry, with a focus on the United States, and an introduction to the global food system. Through cross-cultural study we analyze how what we eat defines who we are. Identity and social groups formed by food production, preparation and consumption are examined with attention to socio-economic, gender and race issues. Students will assess careers related to this system, with a focus on food service operations.

Recommended Preparation: ENGL C1000

CAM-501 Culinary Skills I **0.0 Units/1.0 hours LEC; 6.0 hours LAB**

Noncredit course for Pass/No Pass or Satisfactory Progress

This class will provide the foundation for developing the culinary knowledge and skills necessary to be successful in a food service kitchen. Through theory and practical application, students learn industry standard practices for appetizers, soups, salads, lunch and dinner entrees. Knife skills and proper use of commercial cooking equipment are emphasized. The course includes planning and preparing meals for the public.

Prerequisite: CAM 552, or CAM 152, with a minimum grade of C, or a current Food Safety Manager's Certificate. Students must provide a copy of their certificate. The Food Handler's Certificate does not meet this requirement.

Corequisite: CAM 552 or CAM 152

Course exempt from repeat provisions

CAM-502 Culinary Skills II **0.0 Units/1.0 hours LEC; 6.0 hours LAB**

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will cover advanced culinary preparations and techniques. Students will apply skills learned in Culinary Skills I to more complex recipes using advanced preparation methods. Topics covered include flavor pairing, sauces, meat, poultry, egg and seafood dishes, presentation and selected bakery products. Recipes from a wide variety of styles and international cuisines will be incorporated and students will learn how to modify recipes into healthier alternatives.

Prerequisite: CAM 501 or CAM 101 and CAM 552 or CAM 152 with a minimum grade of C, or a current Food Safety Manager's Certificate. Students must provide a copy of their certificate. The Food Handler's Certificate does not meet this requirement.

Corequisite: CAM 552 or CAM 152

Course exempt from repeat provisions

CAM-530A Baking I**0.0 Units / 1.0 hours LEC; 3.0 hours LAB*****Noncredit course for Pass/No Pass or Satisfactory Progress***

This noncredit course will cover baking techniques, with a focus on breads and batters, including basic cakes. The class will have an experimental approach, with students testing recipe variations to learn ingredient functionality while developing creativity. Quality standards for a bake shop will be used to guide product evaluation. The history and culture of various bakery items will be studied.

*Course exempt from repeat provisions***CAM-530B Baking II****0.0 Units / 1.0 hours LEC; 3.0 hours LAB*****Noncredit course for Pass/No Pass or Satisfactory Progress***

This noncredit course will cover advanced baking techniques, with a focus on yeast and wild-fermented breads, laminated doughs, pies, tarts, and breakfast pastries. The class will have an experimental approach, with students testing recipe variations to learn ingredient functionality while developing creativity. Quality standards for a bake shop will be used to guide product evaluation.

*Course exempt from repeat provisions***CAM-530C Pastry and Desserts****0.0 Units / 0.5 hours LEC; 1.5 hours LAB*****Noncredit course for Pass/No Pass or Satisfactory Progress***

This noncredit course will focus on the understanding and production of pastries and a wide variety of desserts. Types of pastries include pastry dough, pate a choux, savory and sweet pies and tarts, and cream puffs. Students will explore desserts from a variety of cultures which may include custards, puddings, fruit desserts, fried desserts, specialty cookies, trifles, mousses, and tortes. Contemporary plated desserts are emphasized.

*Course exempt from repeat provisions***CAM-552 Food and Equipment Safety and Sanitation****0.0 Units / 1.0 hours LEC*****Noncredit course for Pass/No Pass or Satisfactory Progress***

This course will equip the student to prepare and store food in a safe and sanitary manner, with attention to potentially hazardous foods. Topics covered include causes of foodborne illness and injury, how to minimize risk of foodborne illness using food safety controls, and government regulations. Facility design and maintenance and safe use of knives and commercial kitchen equipment will be discussed. Upon completion of this course, students will have the option to take a certification examination.

*Course exempt from repeat provisions***DIGITAL ARTS AND MEDIA****DAM-110 Digital Image Manipulation in Adobe Photoshop**

CSU

3.0 Units / 2.0 hours LEC; 3.0 hours LAB***Credit course for grade or Pass/No Pass***

This course offers a hands-on exploration of Adobe Photoshop, developing foundational skills in pixel-based image manipulation for diverse applications like print, web, and fine art. Students will master industry-standard tools, apply core visual design principles, and learn effective digital asset management and communication. The curriculum emphasizes personal creative development, introduces contemporary industry roles, and fosters an understanding of accessible and ethical image creation.

DAM-125 Introduction to Desktop Publishing with Adobe InDesign

CSU

3.0 Units / 2.0 hours LEC; 3.0 hours LAB***Credit course for grade or Pass/No Pass***

Unlock your creative potential and master Adobe InDesign! This hands-on course teaches you to design and publish stunning visual content, from engaging magazines and dynamic brochures to interactive digital publications. Learn essential skills in page layout, typography, and graphic integration to build a portfolio for careers in graphic design, marketing, or independent publishing. Make your mark in the visual world!

COURSES

DAM-205 Introduction to Digital Art and Design

CSU, UC

3.0 Units / 2.0 hours LEC; 3.0 hours LAB

Credit course for letter grade only

An introductory course in digital design where you'll explore the fundamentals of digital art and design. You'll gain hands-on experience with industry-standard software, applying core design principles like color, layout, and balance to create compelling digital graphics. This course fosters your creative growth, critical thinking, and portfolio development within an inclusive learning environment, preparing you with essential skills for today's digital industries. (C-ID ARTS 250)

DAM-250 Introduction to Video Production

CSU, UC

3.0 Units / 2.0 hours LEC; 3.0 hours LAB

Credit course for letter grade only

This course offers a hands-on exploration of the complete video production process. Students will develop fundamental skills in visual storytelling, digital media creation, and post-production using industry-standard tools like Adobe Premiere Pro. The curriculum covers essential pre-production planning, cinematography, lighting, sound recording, and post-production techniques. Students will gain the knowledge and practical expertise to conceptualize, create, and distribute diverse digital video projects for various purposes, including marketing, advertising, and instructional design, within a supportive learning environment.

DAM-281 Digital Design Using Adobe Illustrator

CSU, UC

3.0 Units / 2.0 hours LEC; 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course provides a hands-on exploration of Adobe Illustrator, enabling students to master vector graphics tools and techniques. Emphasizing inclusive design, students will create visually compelling and accessible artwork for diverse digital and print media. The course fosters critical thinking, problem-solving, and adaptability, preparing students for dynamic design careers in a collaborative and supportive learning environment. (C-ID ARTS 250)

DRONE STUDIES

DRN-160 Introduction to Unmanned Aircraft Vehicles (UAV)

CSU

1.5 Units / 1.0 hours LEC; 1.5 hours LAB

Credit course for letter grade only

This course looks at the use of small and large Unmanned Aircraft Vehicles (sUAV/UAV) commonly known as "drones". This course will cover sUAV/UAV history, technology, applications, and careers in areas such as Agriculture, Fire Science, Digital Arts and Media, Public Safety, and Real Estate. Fundamental principles and applications such as flight planning, hands on stick training, waypoint missions, Geographic Information Science (GISc), flight paths, autonomous missions, Google Earth, GPS accuracy, and data management will also be covered. Students will also learn about advanced level skills necessary for the National Institute of Standards and Technology (NIST) proficiency exam for manual piloting of sUAVs/UAVs.

DRN-165 Small Unmanned Aircraft Vehicles (sUAV) Procedures and Regulations

CSU

1.5 Units / 1.5 hours LEC

Credit course for letter grade only

This course will equip students with knowledge of regulations and procedures governing safe and legal operation of small, unmanned aircraft vehicles (sUAV), commonly known as "drones". The scope of this course coincides with the knowledge areas in FAA Part 107 Airman Knowledge Test for a Remote Pilot Certificate with a sUAV rating as well as state and local laws & regulations, drone operations and safety. This course is intended to prepare students who wish to become commercial sUAV pilots for the knowledge test.

EARTH SCIENCE

EAS-210 Geology of California

CSU, UC, Cal-GETC (5A, 5C),
MC (5)

4.0 Units / 3.0 hours LEC; 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will focus on the theory of plate tectonics and earthquake seismology in order to explore the geologic history of California. The varied landscapes and rocks of California are viewed within the plate tectonic model, and the geologic provinces that are associated with various aspects of plate tectonic activity are presented to illustrate the evolution of California through geologic time. Geologic factors associated with environmental issues due to resource extraction and natural hazards are addressed, and social disparity is reviewed related to inequities in hazard mitigation and response. (C-ID GEOL 200)

Recommended Preparation: ENGL C1000

EAS-211 Weather and ClimateCSU, UC, Cal-GETC (5A),
MC (5)**3.0 Units / 3.0 hours LEC***Credit course for grade or Pass/No Pass*

This course will introduce the key aspects involved in understanding weather patterns and our changing climate. By studying atmospheric layering and function, the Earth-Sun relationship, and the air mass modification and air circulation patterns within the troposphere, meteorological phenomenon are classified and described with common examples. Components critical for climate characterization are explored in order to understand global climate change, human activities causing global warming, and social disparity that creates inequities in severe weather danger, mitigation and response. (C-ID GEOG 130)

*Recommended Preparation: ENGL C1000***ECONOMICS****ECON-C2001 Principles of Microeconomics**CSU, UC, Cal-GETC (4),
MC (4)**3.0 Units / 3.0 hours LEC***Credit course for grade or Pass/No Pass*

An introductory course using microeconomic models to understand individual decisions by consumers and firms, market outcomes including market failure, elasticity, market structures, labor markets, inequality, and the impact of government policies. This course covers how markets operate by applying fundamental theories of cost behavior, productivity, and profit maximization to individual decision making of firms and consumers. (C-ID ECON 201)

*Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra***ECON-C2002 Principles of Macroeconomics**CSU, UC, Cal-GETC (4),
MC (4)**3.0 Units / 3.0 hours LEC***Credit course for grade or Pass/No Pass*

An introductory course using models of the domestic and international economy to understand national income, unemployment, inflation, economic growth, inequality, the financial system, and monetary, fiscal, and other economic policies. This course introduces fundamental theories of income determination; national income accounting, business cycles, monetary and fiscal policy, national debt, central banking system, economic growth and development. (C-ID ECON 202)

*Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra***EDUCATION****EDU-100 Introduction to the Teaching Profession**

CSU

3.0 Units / 3.0 hours LEC*Credit course for grade or Pass/No Pass*

This course will introduce students to the concepts and issues related to teaching diverse learners in today's contemporary schools, Kindergarten through grade 12 (K-12). Topics include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary educational issues, California's content standards and frameworks, and teacher performance standards. In addition to class time, the course requires a minimum of 45 hours of structured fieldwork in public school elementary classrooms that represent California's diverse student population and includes cooperation with at least one carefully selected and campus-approved certificated classroom teacher. (C-ID EDUC 200)

*Recommended Preparation: ENGL C1000***EDU-103 Teaching Students in the Contemporary Classroom**

CSU

3.0 Units / 3.0 hours LEC*Credit course for grade or Pass/No Pass*

This course will prepare prospective, new, and experienced teachers to respond effectively to the needs of students from diverse backgrounds. Topics include income disparities, family and language backgrounds, race, ethnicity, and gender; and learning abilities.

COURSES

- EDU-104 Field Work in the Contemporary Classroom** CSU
1.0 - 3.0 Units / 3.0 - 9.0 hours LAB
Credit course for grade or Pass/No Pass
This course will provide practical classroom experience to connect the theories of educating students with diverse learning needs with real-world practice. Students will gain professional experience as they observe, design, and implement activities that support students from a varying economic, immigration status, language and family backgrounds, as well as students with differing learning abilities.
Prerequisite: EDU 103 with a minimum grade of C.
Corequisite: EDU 103
- EDU-110 Tutoring Methods** CSU
1.0 Units / 1.0 hours LEC
Credit course for grade or Pass/No Pass
This course will cover effective tutoring techniques. Topics include planning the tutoring session; effective communication skills; reading, writing and study assistance; and techniques for working with students with a variety of learning abilities, and multilingual learners.
- EDU-130 Bilingual Education in the United States: Yesterday and Today** CSU
3.0 Units / 3.0 hours LEC
Credit course for grade or Pass/No Pass
This course will examine, explore, and analyze of the history of bilingual education and its impact on educational opportunities for culturally and linguistically diverse students in the U.S. Topics include the socio-political debate surrounding bilingual education, the needs of culturally and linguistically diverse students, and 2nd language acquisition theory and teaching strategies.
- EDU-131 Bilingual Education Field Work** CSU
1.0 - 3.0 Units / 3.0 - 9.0 hours LAB
Credit course for grade or Pass/No Pass
This course will provide practical classroom experience to connect theories of bilingual education with real-world practice. Students will gain professional experience as they observe, design, and implement activities that promote positive development and learning for K-12 students, focusing on the specific needs of bilingual learners.
Prerequisite: EDU 130 with a minimum grade of C
Corequisite: EDU 130
- EDU-132 Field Work in K-12 Education** CSU
1.0 - 3.0 Units / 3.0 - 9.0 hours LAB
Credit course for grade or Pass/No Pass
This course will allow students to utilize practical classroom experiences to make connections between theory and practice and develop professional behaviors. Students will observe, design, implement, and evaluate experiences that promote positive development and learning for children.
Prerequisite: EDU 200 with a minimum grade of C.
Corequisite: EDU 200
- EDU-155 Teaching the Older Adult Student** CSU
3.0 Units / 3.0 hours LEC
Credit course for grade or Pass/No Pass
This course will prepare college instructors to respond effectively to the needs of the older adult student. The course will review the developmental stages of life with a particular focus on the later stages. Adult learning theories will be covered with an emphasis on the application of culturally responsive teaching strategies for older adult students. Specific attention will be given to the learning characteristics of older adult learners and the use of appropriate accommodations and resources to foster a supportive learning environment in a college setting.
- EDU-500 Supervised Tutoring**
0.0 Units / 2.0 hours LAB
Noncredit Course
This course will support students' academic success in an open enrollment lab through assistance by trained student tutors.
Limitation on Enrollment: Students must be enrolled in the course for which they receive tutoring. Course exempt from repeat provisions.

EMERGENCY MEDICAL SERVICES

EMS-56 EMT-I Refresher

1.0 Units / 0.8 hours LEC; 0.6 hours LAB

Credit course for grade or Pass / No Pass

This course will meet the minimum standards for Emergency Medical Technician I refresher training, pursuant to Title 22, California Administrative Code. Includes review of EMT-I scope of practice including use of Automated External Defibrillator (AED). Supplemental Advanced Life Support information regarding IV therapy and advanced airway management will be provided as information only.

Prerequisite: EMS 135 or current EMT-I certification and current CPR card

EMS-135 Emergency Medical Technician

CSU

7.0 Units / 6.0 hours LEC; 3.0 hours LAB

Credit course for grade or Pass / No Pass

This course will prepare students to take the qualifying examination for EMT-I certification pursuant to Title 22, Section 10011, 10035 and 10037, of the California Administrative Code. The course includes basic assessment and treatment of life-threatening injuries, extrication of the injured, and basic ambulance procedures

Prerequisite: CPR card

Recommended Preparation: A criminal background check, 10 panel drug screen, negative TB test and flu shot may be required to complete the field portion of class. This portion of the class occurs sometime between the 12th and 16th week of the semester.

While not required for enrollment in the course, these advisories may be necessary to complete the field portion of the class.

EMS-202 First Aid, Emergency Care, and Cardiopulmonary Resuscitation

CSU, UC,
MC (Wellness)

3.0 Units / 2.25 hours LEC; 2.25 hours LAB

Credit course for grade or Pass / No Pass

This course will prepare students with manipulative and problem solving skills required for the individual interested in pursuing a career as an emergency medical responder to victims of illness or injury. Upon completion of course, students receive a Public Safety First Aid card. (C-ID KIN 101)

EMS-550 Community First Aid/CPR/AED

0.0 Units / 0.5 hours LEC

Noncredit course for Pass / No Pass or Satisfactory Progress

This course will provide instruction on the knowledge and skills necessary to perform Adult, Child and Infant cardiopulmonary resuscitation (CPR). Additional training will include the use of an automated external defibrillator (AED) and basic first aid as the first link in the Emergency Medical Services (EMS) system. Methods of instruction will coordinate lecture with hands-on skill demonstration and practice of CPR and first aid techniques. Satisfactory completion of the course will entitle the student to certifications in Community CPR (valid for 2 years) and Basic First Aid (valid for 3 years).

Course exempt from repeat provisions

ENGINEERING

EGR-199 Independent Study

CSU

0.5 - 4.0 Units / 1.5 - 12.0 hours LAB

Credit course for grade or Pass / No Pass

This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.

Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.

EGR-202 Statics

CSU, UC

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will provide students with a vectorial treatment of the principles of statics with application to engineering problems and an emphasis on common engineering computational tools.

Prerequisite: PHY 220 with a minimum grade of C

COURSES

ENGLISH

ENGL-65 Academic Literacy

1.0 Units / 1.0 hours LEC

Credit course taken for Pass/No Pass only

This course will incorporate and contextualize reading and writing strategies aligned to English C1000 coursework.

Corequisite: ENGL C1000

ENGL-85 Advanced Preparation for College Composition

4.0 Units / 4.0 hours LEC

Credit course for grade or Pass/No Pass

This course will prepare students for transfer-level college writing. Students will review English fundamentals, read and analyze professional essays, and write essays with an emphasis on exposition and critical thinking and access student services.

Corequisite: Concurrent enrollment in ENGL 560

ENGL-199 Independent Study

CSU

0.5 - 4.0 Units / 1.5 - 12.0 hours LAB

Credit course for grade or Pass/No Pass

This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.

Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.

ENGL-C1000 Academic Reading and Writing

CSU, UC, Cal-GETC (1A),

4.0 Units / 4.0 hours LEC

MC (1A)

Credit course for grade or Pass/No Pass

In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This course will fulfill the requirements of the first semester of freshman composition at the university level. All sections include readings from diverse voices and a variety of writing assignments. Students will use critical reading and thinking strategies to write primarily expository and argumentative texts that respond to a variety of rhetorical situations and contexts and incorporate college-level research. English 85 can be taken to prepare students for this course. (C-ID ENGL 100)

Prerequisite: Placement as determined by the college's multiple measures assessment process

ENGL-C1001 Critical Thinking and Writing

CSU, UC, Cal-GETC (1B),

3.0 Units / 3.0 hours LEC

MC (1B)

Credit course for grade or Pass/No Pass

In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 Academic Reading and Writing (or C-ID ENGL 100) or similar first-year college writing course. (C-ID ENGL 105)

Prerequisite: ENGL C1000 or equivalent

ENGL-C1003 Critical Thinking and Writing through Literature

CSU, UC, Cal-GETC (1B, 3B),

4.0 Units / 4.0 hours LEC

MC (3)

Credit course for grade or Pass/No Pass

In this course, students receive instruction in analytical, critical, and argumentative writing. Students develop critical thinking, close reading and literary analysis skills, research strategies, information literacy, and knowledge of accurate documentation through the study of diverse literary works from a variety of literary genres, developing an appreciation for literature. (C-ID ENGL 110; ENGL 120)

Prerequisite: ENGL C1000 or equivalent

ENGL-210 Creative Writing

CSU, UC,

3.0 Units / 3.0 hours LEC

MC (3)

Credit course for grade or Pass/No Pass

This course will introduce students to the process of writing and revising different genres of creative writing, including but not limited to poetry and fiction. This course is for those who are interested in exploring creative writing, as well as for those who have already been writing for several years. Through the study of established writers' work, the practice of writing in different genres, and the "workshop" model (during which peers share their feedback on submitted manuscripts), students will sharpen their creative writing skills. (C-ID ENGL 200)

Prerequisite: Placement into ENGL C1000 through the placement process

ENGL-212 Intermediate Creative Writing**3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass / No Pass***

This course will provide students more techniques and models from which to write and revise different genres of creative writing, including but not limited to fiction and poetry. Students will study and practice elements of craft and develop more advanced approaches to literary critique in a workshop setting.

Prerequisite: ENGL 210 with a minimum grade of C

CSU, UC,
MC (3)**ENGL-225 Introduction to Shakespeare****3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass / No Pass***

This course will explore representative works of Shakespeare, including tragedies, comedies, histories, and sonnets. Students will develop an awareness of various classical and contemporary critical approaches to Shakespearean text as well as cultural context including the politics of race and gender in the Elizabethan and Jacobian eras.

Prerequisite: ENGL C1000, with a minimum grade of C, or eligibility for ENGL C1000

CSU, UC, Cal-GETC (3B),
MC (3)**ENGL-245 American Literature I****3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass / No Pass***

This course will introduce students to America's literary traditions from their beginnings to the second half of the nineteenth century. (C-ID ENGL 130)

Prerequisite: ENGL C1000, with a minimum grade of C, or eligibility for ENGL C1000

CSU, UC, Cal-GETC (3B),
MC (3)**ENGL-246 American Literature II****3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass / No Pass***

This course will introduce students to a wide range of culturally diverse American authors and their relationship to major literary and intellectual movements from the second half of the nineteenth century to the present.

(C-ID ENGL 135)

Prerequisite: ENGL C1000, with a minimum grade of C, or eligibility for ENGL C1000

CSU, UC, Cal-GETC (3B),
MC (3)**ENGL-250 Survey of Contemporary World Literature****3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass / No Pass***

This course will offer a comparative study of selected works, in translation and in English, of literature from around the world, including Europe, the Middle East, Asia, and other areas, from the mid or late seventeenth century to the present. (C-ID ENGL 145; ENGL-LIT 185)

Prerequisite: ENGL C1000, with a minimum grade of C, or eligibility for ENGL C1000

CSU, UC, Cal-GETC (3B),
MC (3, Culture)**ENGL-265 Introduction to California Literature****3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass / No Pass***

This course will examine the literature of California in the context of its social, political, and historical evolution through the viewpoints of California authors. Content will include a range of literature (fiction/nonfiction, poetry, memoirs, essays, etc.) that examines the diversity of the unique California experience. Literature to be covered that is unique will include indigenous, Spanish colonial, Mexican, American, diverse immigrant, and contemporary literature from the state of California.

Prerequisite: ENGL C1000, with a minimum grade of C, or eligibility for ENGL C1000

CSU, UC, Cal-GETC (3B),
MC (3, Culture)**ENGL-270 Children's Literature****3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass / No Pass***

This course will introduce representative works of children's literature – from picture books to poetry to chapter books – and develop students' close reading and analytical writing skills while promoting an appreciation for this literature's aesthetic qualities. We will explore this literature's history, its use in early childhood education, its moral teachings, its controversies, and its forms as it appears in a variety of cultures. (C-ID ENGL 180)

Prerequisite: ENGL C1000, with a minimum grade of C, or eligibility for ENGL C1000

CSU, UC, Cal-GETC (3B),
MC (3)

COURSES

ENGL-503 Creative Writing for Older Adults

0.0 Units/1.5 - 3.0 hours LEC

Noncredit Course

This course will introduce older adults to a variety of creative writing skills. The focus of the course is on preserving intellectual acuity through creative writing. Written expression can be explored through the development of memoir, personal essays, stories, novels, poems, scripts, and/or other potential genres (as requested). Students will have the opportunity to sharpen both creative writing and computer skills, as well as interact with a supportive community of fellow writers. This course provides older adults an opportunity to recall, organize, and share life experiences through the use of imagination.

Course exempt from repeat provisions

ENGL-560 Basic Reading and Writing Lab

0.0 Units/1.0 - 3.0 hours LAB

Noncredit Course

This course will provide basic reading and writing skills support for students completing assignments from any class. Students will have the opportunity to work on their assignments, get help as needed from an English instructor, and be directed toward other campus resources for reading and writing support. This noncredit class is available on a drop-in basis throughout the semester. See the course schedule for locations/times available.

Course exempt from repeat provisions

ENGLISH AS A SECOND LANGUAGE

ESL-3A English as a Second Language: Communication Skills A

3.0 Units/3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will focus on the development of beginning level listening and speaking skills needed for successful interaction in day-to-day activities in the student's community. In addition to a focus on language learning through listening and speaking skill development, this course includes limited beginning level reading and writing skill development as well.

ESL-3B English as a Second Language: Communication Skills B

2.0 Units/2.0 hours LEC

Credit course for grade or Pass/No Pass

This course will focus on the development of low intermediate level listening and speaking skills needed for successful interaction in the workplace and beyond. In addition to a focus on language learning through listening and speaking skill development, this course includes some low-intermediate level reading and writing skill development as well.

ESL-3C English as a Second Language: Communication Skills C

2.0 Units/2.0 hours LEC

Credit course for grade or Pass/No Pass

This course will focus on the development of high-intermediate level listening and speaking skills needed for successful interaction in academic settings. In addition to a focus on language learning through listening and speaking skill development, this course includes some high-intermediate level reading and writing skill development as well.

ESL-5 English as a Second Language: Support Lab

0.5 - 1.0 Units/1.5 - 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will offer support for English as a Second Language students in reading, writing, listening, and speaking through supplementary instruction and supervised practice. This course supports students with assignments from other ESL classes and can support students with assignments from other college classes and programs.

ESL-7A Beginning English as a Second Language A

4.0 Units/4.0 hours LEC

Credit course for grade or Pass/No Pass

This course will build beginning level skills in reading, writing, listening, and speaking. It will also build understanding of the community college environment in the U.S. This course is taught in English and is an immersive experience for students. This course is the first of two classes needed to complete the beginning level of ESL.

ESL-7B Beginning English as a Second Language B**4.0 Units / 4.0 hours LEC*****Credit course for grade or Pass / No Pass***

This course will build beginning level skills in reading, writing, listening, and speaking. This course also builds student understanding of the community college environment in the U.S. This course is taught in English and is an immersive experience for students. This course is the second of two classes needed to complete the beginning level of ESL.

ESL-9A Intermediate English as a Second Language A**4.0 Units / 4.0 hours LEC*****Credit course for grade or Pass / No Pass***

This course will build intermediate level skills in reading, writing, listening, and speaking. This course also builds student understanding of academic language and settings in the U.S. This course is taught in English and is an immersive experience for students. This course is the first of two classes needed to complete the intermediate level of ESL.

ESL-9B Intermediate English as a Second Language B**4.0 Units / 4.0 hours LEC*****Credit course for grade or Pass / No Pass***

This course will build intermediate level skills in reading, writing, listening, and speaking. This course also builds student understanding of academic language and settings in the U.S. This course is taught in English and is an immersive experience for students. This course is the second of two classes needed to complete the intermediate level of ESL.

ESL-11A Advanced English as a Second Language A**4.0 Units / 4.0 hours LEC*****Credit course for grade or Pass / No Pass***

This course will develop advanced level skills in reading, writing, listening, and speaking. This course prepares students for future academic work at Mendocino College and beyond. This course is taught in English and is an immersive experience for students. It is the first of two courses needed to complete the advanced level of ESL.

ESL-11B Advanced English as a Second Language B**4.0 Units / 4.0 hours LEC*****Credit course for grade or Pass / No Pass***

This course will develop advanced level skills in reading, writing, listening, and speaking. This course prepares students for future academic work at Mendocino College and beyond. This class is taught in English and is an immersive experience for students. This is the second of two classes needed to complete the advanced level of ESL.

ESL-213 Bridge to English

CSU, UC

5.0 Units / 5.0 hours LEC***Credit course for grade or Pass / No Pass***

This course will prepare multilingual students for coursework in the English Department. This course focuses on engaged reading, critical thinking, and writing skills through participation in the academic writing process that results in producing both short and full-length essays. The focus will be on common challenges and themes with particular relevance for multilingual writers, including 2nd language acquisition and the brain, language and society, and grammatical error patterns which may interfere with meaning.

Advisory: This course is designed for ESL program certificate holders, high school graduates with fewer than four years of high school completed in the U.S., students who still need language development support and/or have limited/interrupted formal education in U.S. and/or birth countries, international students, and other Generation 1.5 students.

ESL-500A Introduction to English as a Second Language A**0.0 Units / 4.0 hours LEC*****Noncredit course for Pass / No Pass or Satisfactory Progress***

This course will introduce students to English as a Second Language studies, and the community college language classroom environment in the U.S. This class is taught in English and is an immersive experience for students. Students will begin to develop beginning level skills in reading, writing, listening, and speaking. This course is the first of two classes needed to complete the introductory level of ESL.

Course exempt from repeat provisions

COURSES

ESL-500B Introduction to English as a Second Language B

0.0 Units / 4.0 hours LEC

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will introduce students to English as a Second Language studies, and the community college language classroom environment in the U.S. This class is taught in English and is an immersive experience for students. This course is the second of two classes needed to complete the introductory level of ESL. Students will further develop beginning level skills in reading, writing, listening, and speaking.

Course exempt from repeat provisions

ESL-501 English as a Second Language: Support Lab

0.0 Units / 1.5 - 3.0 hours LAB

Noncredit Course

This course will offer support for English as a Second Language students in reading, writing, listening, and speaking through supplementary instruction and supervised practice. This course supports students with assignments from other ESL classes and can support students with assignments from other college classes and programs.

Course exempt from repeat provisions

ESL-503A English as a Second Language: Communication Skills A

0.0 Units / 3.0 hours LEC

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will develop beginning level listening and speaking skills needed for successful interaction in day-to-day activities in the student's community. In addition to a focus on language learning through listening and speaking skill development, this course includes limited beginning level reading and writing skill development as well. ESL 503A is the first level required for completion of the Mendocino College ESL Communication Skills Certificate.

Course exempt from repeat provisions

ESL-503B English as a Second Language: Communication Skills B

0.0 Units / 2.0 hours LEC

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will develop low-intermediate level listening and speaking skills needed for successful interaction in the workplace and beyond. In addition to a focus on language learning through listening and speaking skill development, this course includes some low-intermediate level reading and writing skill development as well. ESL 503B is the second level required for completion of the Mendocino College ESL Communication Skills Certificate.

Course exempt from repeat provisions

ESL-503C English as a Second Language: Communication Skills C

0.0 Units / 2.0 hours LEC

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will develop high-intermediate level listening and speaking skills needed for successful interaction in academic settings. In addition to a focus on language learning through listening and speaking skill development, this course includes some high-intermediate level reading and writing skill development as well. ESL 503C is the third and final level required for completion of the Mendocino College ESL Communication Skills Certificate.

Course exempt from repeat provisions

ESL-507A Beginning English as a Second Language A

0.0 Units / 4.0 hours LEC

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will build beginning level skills in reading, writing, listening, and speaking. It will also build understanding of the community college environment in the U.S. This course is taught in English and is an immersive experience for students. This course is the first of two classes needed to complete the beginning level of ESL.

Course exempt from repeat provisions

ESL-507B Beginning English as a Second Language B

0.0 Units / 4.0 hours LEC

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will build beginning level skills in reading, writing, listening, and speaking. This course also builds student understanding of the community college environment in the U.S. This course is taught in English and is an immersive experience for students. This course is the second of two classes needed to complete the beginning level of ESL.

Course exempt from repeat provisions

ESL-509A Intermediate English as a Second Language A**0.0 Units / 4.0 hours LEC****Noncredit course for Pass/No Pass or Satisfactory Progress**

This course will build intermediate level skills in reading, writing, listening, and speaking. This course also builds student understanding of academic language and settings in the U.S. This course is taught in English and is an immersive experience for students. This course is the first of two classes needed to complete the intermediate level of ESL.

*Course exempt from repeat provisions***ESL-509B Intermediate English as a Second Language B****0.0 Units / 4.0 hours LEC****Noncredit course for Pass/No Pass or Satisfactory Progress**

This course will build intermediate level skills in reading, writing, listening, and speaking. This course also builds student understanding of academic language and settings in the U.S. This course is taught in English and is an immersive experience for students. This course is the second of two classes needed to complete the intermediate level of ESL.

*Course exempt from repeat provisions***ESL-511A Advanced English as a Second Language A****0.0 Units / 4.0 hours LEC****Noncredit course for Pass/No Pass or Satisfactory Progress**

This course will develop advanced level skills in reading, writing, listening, and speaking. This course prepares students for future academic work at Mendocino College and beyond. This course is taught in English and is an immersive experience for students. It is the first of two courses needed to complete the advanced level of ESL.

*Course exempt from repeat provisions***ESL-511B Advanced English as a Second Language B****0.0 Units / 4.0 hours LEC****Noncredit course for Pass/No Pass or Satisfactory Progress**

This course will develop advanced level skills in reading, writing, listening, and speaking. This course prepares students for future academic work at Mendocino College and beyond. This class is taught in English and is an immersive experience for students. This is the second of two classes needed to complete the advanced level of ESL.

*Course exempt from repeat provisions***ESL-513 Bridge to English****0.0 Units / 5.0 hours LEC****Noncredit course for Pass/No Pass or Satisfactory Progress**

This course will prepare multilingual students for coursework in the English Department. This course focuses on engaged reading, critical thinking, and writing skills through participation in the academic writing process that results in producing both short and full-length essays. The focus will be on common challenges and themes with particular relevance for multilingual writers, including 2nd language acquisition and the brain, language and society, and grammatical error patterns which may interfere with meaning.

Advisory: This course is designed for ESL program certificate holders, high school graduates with fewer than four years of high school completed in the U.S., students who still need language development support and/or have limited/interrupted formal education in U.S. and/or birth countries, international students, and other Generation 1.5 students.

*Course exempt from repeat provisions***ETHNIC STUDIES****ETH-202 Racial and Ethnic Relations****3.0 Units / 3.0 hours LEC****Credit course for grade or Pass/No Pass**

CSU, UC, Cal-GETC (4, 6),
MC (4, 6)

This course will analyze historical experiences and relations among various racial, religious, national, and gender groups as they interact with racism, ethnocentrism, and class in the U.S. and the world. It will also examine social justice movements in relation to ethnic and racial groups in the United States to provide a basis for a better understanding of the socio-economic, cultural and political conditions among key social groups. Successful students will be able to analyze racial and ethnic relations using theories, literature, and current events. (C-ID SOCI 150, SJS 110)

Recommended Preparation: ENGL C1000

COURSES

ETH-230 Introduction to Chicano Studies

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course examines the cultural, educational, economic, artistic, and sociopolitical issues that have affected the Chicana/o/x experience from the Indigenous civilizations to the present time in the United States. It applies an interdisciplinary perspective to racial and social justice issues related to the intersectional Chicana/o/x experience to empower students with resources for self and community advocacy. It will also provide students with the opportunity to actively engage with anti-racist and anti-colonial issues and the practices and movement in the Chicana/o/x community in order to build a more just and equitable society.

Recommended Preparation: ENGL C1000

CSU, UC, Cal-GETC (4, 6),

MC (4, 6)

ETH-235 Mexican American Culture

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will examine how the Mexican American identity was created beginning with the colonization of Mexico by the Spanish, through the Mexican American War, up to the present. Also examined will be the role of race in forming the stereotypes and discrimination of Mexican Americans within the United States, the cultural contributions of the Mexican Americans to the United States, and the importance of art, music, dance, religion, food, family, government within the Mexican American community.

CSU, UC, Cal-GETC (4, 6),

MC (3, 4, 6)

ETH-240 Introduction to Native American Studies

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course offers an in-depth exploration of Native American Studies, blending theoretical approaches and practical methods across disciplines. It provides historical and legal groundwork, highlighting the field's intellectual foundations. Through readings, guest lectures, and multimedia presentations from Native American scholars, students will delve into key issues affecting Native American communities, encompassing social, educational, political, health, and economic aspects. The curriculum emphasizes the diverse Native American perspectives that foster a comprehensive understanding of the field's epistemology and its applications in academia and community settings.

Recommended Preparation: ENGL C1000

CSU, UC, Cal-GETC (4),

MC (4)

ETH-241 Pacific Coast Indian Cultures

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will introduce students to the cultural, historical, political, environmental, and educational perspectives of Native American life in California. Students will gain understanding of the material and non-material cultures of Native Americans, the relationship between California tribes and the environment and geography of California, and the contemporary problems facing California Indians.

Recommended Preparation: ENGL C1000

CSU, UC, Cal-GETC (4),

MC (3, 4)

FIRE SCIENCE

FSC-50A Instructor 1: Instructional Methodology

2.5 Units / 2.5 hours LEC

Credit course for grade or Pass / No Pass

This course will provide the skills and knowledge needed for entry level professional instructor to perform their duties safely, effectively and competently. The curriculum is based on the 2012 edition of the National Fire Protection Agency (NFPA) 1041 standard. At the end of this course students will be prepared to instruct from standard lesson plans.

FSC-50B Training Instructor 1B - Psychomotor Lesson Delivery

2.5 Units / 2.5 hours LEC

Credit course for grade or Pass / No Pass

This course will continue the teaching techniques used in vocational education to select, develop, organize, and utilize instructional materials appropriate for teaching technical lessons.

Prerequisite: FSC 50A, with a minimum grade of C, or CFSTES Training Instructor 1A Certification

FSC-65 Incident Command System (ICS) 300*1.5 Units / 1.5 hours LEC**Credit course for grade or Pass/No Pass*

This course will cover Incident Command System (ICS) 300 standards developed by the National Wildfire Coordinating Group (NWCG) to coordinate programs and activities of wildfire management agencies participating in major wildland fires. The course represents modules 7 through 11 of the Incident Command System National Training Curriculum, and includes ICS organization and staffing, organizing for incidents, incident resource management, air operations, and incident planning.

Limitation on Enrollments: Must show proof of ICS 100, ICS 200 and ICS 700

FSC-70A Company Officer 2A: Human Resources Management for Company Officers*2.5 Units / 2.5 hours LEC**Credit course for grade or Pass/No Pass*

This course will make students eligible for the California State Fire Training Company Officer 2A Human Resources management for Company Officer certificate. In the course information on the use of human resources to accomplish assignments, evaluating member performance, supervising personnel, and integrating health and safety plans, policies, and procedures into daily activities as well as the emergency scene will be covered. Submitting the following California State Fire Training prerequisites to the instructor prior to the completion of this course: meet the educational requirements for Fire Fighter II (SFT FF2 certificate) or four (4) years as a career fire fighter or six (6) years as a volunteer fire fighter are necessary to achieve certificate. A letter from your Fire Chief or training Chief will be acceptable proof of experience.

FSC-70B Company Officer 2B: General Administrative Functions*1.5 Units / 1.5 hours LEC**Credit course for grade or Pass/No Pass*

This course will make students eligible for the California State Training Company Officer 2B General Administrative Functions certificate. The course information on general administrative functions and the implementation of department policies and procedures and addresses conveying the fire department's role, image, and mission to the public. Submitting the following California State Fire Training prerequisites to the instructor prior to the completion of this course: meet the educational requirements for Fire Fighter II (SFT FF2 certificate) or four (4) years as a career fire fighter or six (6) years as a volunteer fire fighter are necessary to achieve certificate. A letter from your Fire Chief or training Chief will be acceptable proof of experience.

FSC-70C Company Officer 2C: Fire Inspections & Investigation*2.5 Units / 2.5 hours LEC**Credit course for grade or Pass/No Pass*

This course will make students eligible for the California State Fire Training Company Officer 2C Fire Inspections and Investigations for the Company Officer. In the course information on conducting inspections, identifying hazards and addressing violations, performing a fire investigation to determine preliminary cause and securing the incident scene and preserving evidence. Submitting the following California State Fire Training prerequisites to the instructor prior to the completion of this course: meet the educational requirements for Fire Fighter II (SFT FF2 certificate) or four (4) years as a career fire fighter or six (6) years as a volunteer fire fighter are necessary to achieve certificate. A letter from your Fire Chief or training Chief will be acceptable proof of experience.

FSC-70D Company Officer 2D: All-Risk Command Operations*2.5 Units / 2.5 hours LEC**Credit course for grade or Pass/No Pass*

This course will make the students eligible for the California State Fire Training 2D All Risk Command Operations certificate. In the course information on conducting incident size-up, developing and implementing an initial plan of action involving single and multiunit operations for various types of emergency incidents to mitigate the situation following agency safety procedures, conducting preincident planning, and develop and conduct a post-incident analysis. Submitting the following California State Fire Training prerequisites to the instructor prior to the completion of this course: meet the educational requirements for Fire Fighter II (SFT FF2 certificate) or four (4) years as a career fire fighter or six (6) years as a volunteer fire fighter are necessary to achieve certificate. A letter from your Fire Chief or training Chief will be acceptable proof of experience. iCS-200.B: Incident Command System For Single Resources and Initial Action Incidents Hazardous Material Incident Commander (as offered by the California Specialized Training Institute).

COURSES

FSC-70E Company Officer 2E: Wildland Incident Operations for Company Officers

2.5 Units / 2.5 hours LEC

Credit course for grade or Pass/No Pass

This course will make students eligible for the California State Fire Training Company Officer 2E Wildland Incident Operations. In the course information on evaluating and reporting incident conditions, analyzing incident needs, developing and implementing a plan of action to deploy incident resources completing all operations to suppress a wildland fire, establishing an incident command post, creating an incident action plan, and completing incident records and reports. Students will be eligible for the California State Fire Training Company Officer 2E: Wildland Incident Operations for Comp Submitting the following California State Fire Training prerequisites to the instructor prior to the completion of this course: meet the educational requirements for Fire Fighter II (SFT FF2 certificate) or four (4) years as a career fire fighter or six (6) years as a volunteer fire fighter are necessary to achieve certificate. A letter from your Fire Chief or training Chief will be acceptable proof of experience. All Risk Command Operations for Company Officers S-290 Intermediate Fire Behavior (classroom delivery only).

FSC-75 Fire Apparatus Driver / Operator IA

0.5 Units / 2.4 hours LAB

Credit course for Pass/No Pass only

This course provides students with information on fire apparatus, preventive maintenance, and driving/operating. Students will learn about and practice routine tests, inspections, and servicing functions, operation, backing, maneuvering, and turning apparatus under a variety of conditions, and the operation of all fixed systems on a fire apparatus. The course is based on the National Fire Protection Association (NFPA) 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications. The course fulfills the requirements for a Class C - "Firefighter Endorsement". Upon successful completion, students will be awarded a completion certificate from the State Board. To obtain a California firefighter endorsement from the DMV, you must apply in person at a DMV office, pass a written firefighter endorsement test, and submit an "Original Firefighter Employment and Training Verification" letter on fire department letterhead, signed by the fire chief or a designee.

Limitation on Enrollment: Enrollment in this course is limited to students who currently possess a valid Class C California driver license as required by the California Vehicle Code.

FSC-76 Fire Apparatus Driver / Operator IB - Pumping Apparatus Operations

0.5 Units / 2.4 hours LAB

Credit course for Pass/No Pass only

This is a State certified Fire Service Training and Education Program (FSTEP) course that provides specific training on fire hydraulics, fire apparatus pump construction, operations, inspection, maintenance and troubleshooting. Upon satisfactory completion, the student will receive a certificate from the State Fire Marshal's Office.

Limitation on Enrollment: Valid California Driver's License and a firefighter "F" endorsement to operate a fire apparatus issued by the Department of Motor Vehicles.

FSC-80 Low Angle Rope Rescue Operational

0.5 Units / 0.5 hours LEC; 1.0 hours LAB

Credit course for Pass/No Pass only

This course will provide training for responders in low angle rope rescue operations. These over-the-side operations may be the result of a vehicle accident, hiking mishap, swift water rescue, or search and rescue function in an urban or remote area. This course will also provide training in a subject element required for the California Urban Search and Rescue (US&R) Basic and Light Operational Level by serving as the prerequisite to continue your training in a Rescue Systems 1 course. Rescue Systems 1 prepares you for light-frame building collapse incidents caused by earthquake, terrorist actions, weapons of mass destruction (WMD) event, or other catastrophe. The Low Angle Rope Rescue Operational course is a 24-hour course taught in a three-day format. Students will be grouped by squad, team, company, or other similar configuration.

FSC-81 Surf Rescue Operations

1.0 Units / 0.5 hours LEC; 2.0 hours LAB

Credit course for Pass/No Pass only

This course will prepare students to be able to perform rescue operations in the ocean setting. Successful completion of the course will result in a State Fire Training surf rescue operation certificate.

Advisory: Ability to swim 500 yards in 12 minutes in the ocean.

FSC-90 Fire Fighter II Academy**19.5 Units / 14.0 hours LEC; 17.5 hours LAB*****Credit course for grade of Pass/No Pass***

This course will give students the skills and knowledge for the entry level professional firefighter to perform their duties safely, effectively and competently. On completion of this course, students will qualify to take Firefighter II Capstone testing.

Limitation on Enrollment: Must provide a recent Fire Program Medical Clearance (less than one year old), Emergency Medical Responder card or Emergency Medical Technician certificate or Public Safety First Aid and attend mandatory orientation.

FSC-91 1C Handcrew Firefighter**1.5 Units / 1.0 hours LEC; 2.0 hours LAB*****Credit course taken for Pass/No Pass only***

This course will prepare students for entry-level Wildland Firefighters positions and provides students with the basic knowledge and skills to perform entry-level Fire Crew Firefighter tasks. Topics include: Wildland Response, Wildland Personal Protective Equipment, Wildland Fire Behavior, Wildland Safety, Wildland Tools and Equipment, Wildland Fire Suppression, Mop up and Patrol, Construct and Secure Fireline, Hazard Recognition. This course meets or exceeds the requirements for California FF1 Module 1C.

Limitation on Enrollment: Must provide a recent Fire Program Medical Clearance (less than one year old) and attend mandatory orientation before registration.

FSC-111 Fire Protection Organization

CSU

3.0 Units / 3.0 hours LEC***Credit course for grade or Pass / No Pass***

The course will provide an introduction to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection; fire loss analysis; organization and function of public and private fire protection services.

FSC-112 Fire Behavior & Combustion

CSU

3.0 Units / 3.0 hours LEC***Credit course for grade or Pass / No Pass***

This course will cover the theory and fundamentals of how and why fires start, spread, and are controlled. It will include an in-depth study of fire chemistry, fire characteristics of materials, extinguishing and fire control techniques. (C-ID FIRE 140 X)

FSC-113 Fire Protection Equipment & Systems

CSU

3.0 Units / 3.0 hours LEC***Credit course for grade or Pass / No Pass***

This course will cover the function and operation of portable fire extinguishing equipment; protection systems for special hazards; sprinkler systems, fire detection, and alarm systems.

FSC-114 Building Construction for Fire Safety

CSU

3.0 Units / 3.0 hours LEC***Credit course for grade or Pass / No Pass***

This course will study of the components of building construction that relate to fire safety. The elements of construction and design of structures that are key factors when inspecting buildings, preplanning fire operations, and operating at fires will be covered in the course. The course will also review the development and evolution of building and fire codes, and studies in relationship to past fires in residential, commercial, and industrial occupancies.

FSC-115 Hazardous Materials Response for Public Safety

CSU

3.0 Units / 3.0 hours LEC***Credit course for grade or Pass / No Pass***

This course will provide a comprehensive study of Hazardous Materials and emergency response to Hazmat incidents. Topics will include basic Hazmat chemistry, regulation, toxicology, tactics and strategy of mitigation, decontamination, and scene management.

COURSES

GEOGRAPHY

GEO-201 Cultural Geography

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will focus on the natural patterns of the earth and human perception of the environment. Topics include understanding regional cultural differences, human activities causing environmental change, and racial, ethnic and social disparity. (C-ID GEOG 120)

CSU, UC, Cal-GETC (4),
MC (4, Culture)

GEO-206 Physical Geography

4.0 Units / 3.0 hours LEC; 3.0 hours LAB

Credit course for grade or Pass / No Pass

This course will offer a concise study of the natural environment, including topics in weather, landform study, and the water cycle. Emphasis is on the interrelated aspects of natural systems within the atmosphere, lithosphere and hydrosphere, and on the characterization of the environment through map interpretation. Environmental change due to human activities and associated social inequities are reviewed. (C-ID GEOG 115; GEOL 121)

Recommended Preparation: ENGL C1000

CSU, UC, Cal-GETC (5A, 5C),
MC (5)

GEOLOGY

GEL-201 Geology

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will introduce modern geologic principles and use those as a framework for understanding the processes involved in the crystallizing of minerals, the formation and deformation of rocks, the creation of geologic resources, and the history of the ever-changing surface of the Earth. Geologic factors associated with resource use and climate characterization are explored in order to address environmental issues like global climate change, human activities causing global warming, and social disparity that creates inequities in natural hazard danger, mitigation and response. (C-ID GEOL 100; GEOL 101 when GEL 201L is also completed)

Recommended Preparation: ENGL C1000

CSU, UC, Cal-GETC (5A),
MC (5)

GEL-201L Geology Laboratory

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass / No Pass

This course will give students a chance for hands-on study of key geologic principles. Topics include plate tectonics, rock and mineral identification, geologic map analysis, and field investigations. (C-ID GEOL 100L; GEOL 101 when GEL 201 is also completed)

Prerequisite: GEL 201 with a minimum grade of C

Corequisite: GEL 201

CSU, UC, Cal-GETC (5C)

GEL-203 Earth History

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will introduce students to modern geologic principles and use those as a framework for understanding the processes involved in shaping the earth through time, including the creation of the fossil record and the formation and deformation of rocks. Geologic factors associated with Earth's climate are explored in order to address environmental issues due to human activities causing global climate change and the associated social inequities. (C-ID GEOL 110; GEOL 111 when GEL 203L is also completed)

Recommended Preparation: ENGL C1000

CSU, UC, Cal-GETC (5A),
MC (5)

GEL-203L Earth History Laboratory

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass / No Pass

This course will introduce the world of fossils and rocks and what they tell us about the history of the Earth. Using modern geologic principles, the Earth and its ancient history can be understood for a better appreciation of the solid Earth, with relevance to the interpretation of human impacts on the natural world. (C-ID GEOL 110L; GEOL 111 when GEL 203 is also completed)

Prerequisite: GEL 203 with a minimum grade of C

Corequisite: GEL 203

CSU, UC, Cal-GETC (5C)

HEALTH**HLH-199 Independent Study**

CSU

*0.5 - 4.0 Units / 1.5 - 12.0 hours LAB**Credit course for grade or Pass/No Pass*

This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.

Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.

HLH-200 Health Education

CSU, UC,

3.0 Units / 3.0 hours LEC

MC (Wellness)

Credit course for grade or Pass/No Pass

This course will study lifelong human health and explore the relationships between the psychological, sociological, biological, legal, and moral/ethical dimensions leading to optimal health and wellness. Topics include nutrition, physical fitness, substance abuse, reproductive health, infectious and non-infectious diseases; aging, dying and death; injury prevention; environmental, and consumer health.

Recommended Preparation: ENGL C1000

HLH-203 Women's Health

CSU, UC

3.0 Units / 3.0 hours LEC

MC (Wellness)

Credit course for grade or Pass/No Pass

This course will address women's health from a biological, psychological, sociological, and environmental perspective. Topics include: foundational biological concepts, health throughout the lifespan, development, reproductive health, nutrition, disease, mental illness, substance use, adverse childhood events, cultural determinates of health, wellness, healthcare systems, and public health. This class is appropriate for the general public as well as health care and human service providers.

HLH-204 Medical Terminology

CSU, UC

*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass/No Pass*

This course will introduce the student to the fundamentals of medical word building as well as terms related to specific body systems. Emphasis is placed upon pronunciation and spelling as well as anatomical, pathological, surgical, and diagnostic terminology. This course is designed for pre-nursing students, EMTs, health care clerical support staff, nursing assistants, and others in the health-related professions. (C-ID HIT 103 X)

HLH-213 Lifeguard Training

CSU, UC

*3.0 Units / 2.0 hours LEC; 3.0 hours LAB**Credit course for grade or Pass/No Pass*

This course will use an American Red Cross certified program to provide entry-level lifeguard candidates with the knowledge and skills to prevent, recognize, and respond to emergencies and to provide care for injuries and sudden illnesses until advanced medical personnel arrive and take over. Students will be required to pass an assessment of their swimming skills in order to receive Lifeguarding certification. This course meets all California state law requirements for lifeguard certification.

HLH-214 Foods and Nutrition

CSU, UC,

3.0 Units / 3.0 hours LEC

MC (Wellness)

Credit course for grade or Pass/No Pass

This course will introduce the field of foods and nutrition and their relationship to good health. This course will also establish a foundation in nutritional science and provide students interested in medicine or biochemistry with the knowledge and skill for further studies. (C-ID NUTR 110 when HLH 215 is also completed)

HLH-215 Therapeutic Nutrition

CSU, UC

*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass/No Pass*

This course will present a survey of current research and the practical application of the principles of therapeutic nutrition to the hospitalized patient. Emphasis is placed on the role of nutrition in the prevention of illness and disease. (C-ID NUTR 110 when HLH 214 is also completed)

COURSES

HISTORY

HIST-188.5 Local Native History

CSU

1.0 Units/1.0 hours LEC

Credit course for grade or Pass/No Pass

This course will provide a brief overview of the history of the tribes of Mendocino and Lake Counties from pre-Columbian to current times. Students will gain an understanding of the myriad forces that have shaped local culture and political organization.

HIST-199 Independent Study

CSU

0.5 - 4.0 Units/1.5 - 12.0 hours LAB

Credit course for grade or Pass/No Pass

This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.

Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.

HIST-C1001 United States History to 1877

CSU, UC, Cal-GETC (3B, 4),
MC (3, 4, 4A)

3.0 Units/3.0 hours LEC

Credit course for grade or Pass/No Pass

This course is a historical survey of the United States, from Indigenous North America to the end of Reconstruction. The course also introduces students to historical reasoning skills. The focus will be on major political, social, and cultural developments in the US and the perspectives and contributions of diverse groups of Americans. (C-ID HIST 130)

Recommended Preparation: ENGL C1000

HIST-C1002 United States History since 1865

CSU, UC, Cal-GETC (3B, 4),
MC (3, 4, 4A)

3.0 Units/3.0 hours LEC

Credit course for grade or Pass/No Pass

This course is a historical survey of the United States from the end of the Civil War to the present. The course also introduces students to historical reasoning skills. The focus will be on major political, social and cultural developments of the US from the Reconstruction era through the present day and will include the perspectives and contributions of diverse groups of Americans. (C-ID HIST 140)

Recommended Preparation: ENGL C1000

HIST-200 History of Western Civilization I

CSU, UC, Cal-GETC (3B, 4),
MC (3, 4)

3.0 Units/3.0 hours LEC

Credit course for grade or Pass/No Pass

This course examines the Middle East, North Africa, and Europe from 10,000 B.C. to 1648 A.D. Includes a survey of ancient civilizations, medieval Europe and the rise of nation states. Various aspects of Western Civilization will be examined, among them are political institutions, religious beliefs, economic institutions, culture, and society. (C-ID HIST 170)

Recommended Preparation: ENGL C1000

HIST-201 History of Western Civilization II

CSU, UC, Cal-GETC (3B, 4),
MC (3, 4)

3.0 Units/3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover Europe and the New World from 1648 A.D. to the present. Includes a survey of the development of modern nations, the industrial revolution, the French revolution, the urban revolution and the social upheavals of the 19th and 20th centuries. (C-ID HIST 180)

Recommended Preparation: ENGL C1000

HIST-205 World History to 1500

CSU, UC, Cal-GETC (3B, 4),
MC (3, 4, Culture)

3.0 Units/3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will introduce students to the early, classical and medieval civilizations that have most influenced the modern world. Topics will include the development of European, American and African civilizations; the Eastern traditions of India, China, and Japan; and the worlds of Judaism, Christianity and Islam. Students will gain an understanding of how the connections between East and West have shaped the world today. (C-ID HIST 150)

Recommended Preparation: ENGL C1000

HIST-206 World History Since 1500**3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass/No Pass***

This course will introduce students to modern and contemporary history from 1500 to the present. Topics to be covered include the impact of Western expansion on the Americas, Africa and Asia; the reaction of non-western people to Western expansion; the growth of nationalism; the industrial revolution; and the World Wars of the 20th century. Students will gain an understanding of the interconnectedness of historical events. (C-ID HIST 160)

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (3B, 4),
MC (3, 4, Culture)**HIST-207 Mexican American History****3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass/No Pass***

This course will examine the development of diverse Mexican American communities throughout the US. Topics will include how Mexican American men and women have struggled for economic, political, and social equality in their local communities, as well on the national scene. Students can expect to learn about the aftermath of the Mexican American war, ongoing immigration and its effect on receiving communities; changing gender roles; tension between assimilation and maintenance of an ethnic identity; and the development of civil rights organizations. Special emphasis will be given to the history of labor and its impact on the development of the Mexican American community.

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (3B, 4),
MC (3, 4, 4A, Culture)**HIST-208 Women in American History****3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass/No Pass***

This course will introduce the student to major political, social and cultural developments of US history from the perspective of American women. Topics will include the roles and status of women of different races and classes from colonial times through the current day. Special attention will be given to women's political struggles for equality. (C-ID SJS 120)

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (3B, 4),
MC (3, 4, 4A, Culture)**HIST-209 African American History****3.0 Units / 3.0 hours LEC*****Credit course for letter grade only***

This course will examine the African American experience from its 17th century African origins to the current day. Topics will include African civilizations, slavery, emancipation, legal and extra-legal discrimination, migration, cultural production, civil rights movements, and black contributions to US policy and economy.

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (3B, 4),
MC (3, 4, 4A, Culture)**HIST-220 Mexican History****3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass/No Pass***

This course will survey the history of Mexico from the pre-Columbian period through the present day. It will include political, social, and cultural history and will combine lecture with class discussion.

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (3B, 4),
MC (3, 4, Culture)**HIST-221 California History****3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass/No Pass***

This course will survey California history from the first peoples to inhabit this region through the present. This course explores the ways that the intersection of politics, the economy, society, culture, and geography has contributed to the formation for contemporary California. Special emphasis is given to the state's diversity.

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (3B, 4),
MC (3, 4)**HIST-222 Native American History****3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass/No Pass***

This course will examine Native American history from pre-Columbian times through the present using tribal histories to illustrate broad historical dynamics and the interplay between politics, law, culture, philosophies, and religions of First Nation people and those of foreigners.

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (3B, 4),
MC (3, 4, 4A, Culture)

COURSES

HIST-250 Contemporary America: The People and the Issues

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will investigate how critical issues of US history have shaped Contemporary America. Topics to be studied include rugged individualism, America's history as a world power, the labor movement, citizen participation and civil rights. Each topic is presented in its historical context.

Recommended Preparation: ENGL C1000

CSU, UC, Cal-GETC (3B, 4),
MC (3, 4, 4A)

HOSPITALITY MANAGEMENT

HSP-101 Introduction to the Hospitality Industry

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will provide a basic understanding of the hospitality industry including lodging, food service, institutional, winery, and resort operations. The history, growth and development, current trends, and organizational structure of the industry are explored with a focus on employment opportunities and future trends. (C-ID HOSP 100)

CSU

HSP-102 Event Planning and Hosting

3.0 Units / 3.0 hours LEC

Credit course for letter grade only

This course provides a comprehensive examination of operations and career opportunities within the dynamic event planning industry. Students will be introduced to the multifaceted aspects of special events, managed services, and private club and casino events, analyzing industry best practices, operational logistics, budgeting and revenue, marketing planning, and other critical success factors. The course involves developing a personalized, in-depth career project designed to equip students with a strategic framework for navigating and excelling within the professional event planning landscape.

CSU

HUMAN SERVICES

HUS-101 Introduction to the Helping Professions

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will provide students with an overview of major human service delivery models and occupations. Students will examine the core skills and intervention techniques used in human services, as well as ethical and legal considerations when providing human services. This course is useful for those who wish to continue their studies in social work, mental health, counseling, and other human service professions.

Recommended Preparation: ENGL C1000

CSU

HUS-103 Field Placement and Practicum Seminar

1.5 Units / 1.5 hours LEC

Credit course for grade or Pass/No Pass

This course will provide students with classroom instruction supporting a supervised field experience. Students will develop their interpersonal and professional communication and problem solving skills as they integrate knowledge and skills developed in the Human Service Worker Program.

Corequisite: HUS 197A

CSU

HUS-152 Basic Skills for Human Service Workers

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will introduce students to the basic counseling knowledge and skills necessary for effective helping relationships in human service settings. This course is also useful for parents, teachers, tutors, medical personnel, correctional personnel, or anyone interested in becoming an effective helper.

Recommended Preparation: COMM 210 and ENGL C1000

CSU

HUS-154 Fundamentals of Interviewing and Counseling

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will provide students with a non-authoritarian approach to motivating individuals to overcome ambivalence towards change, and to engage in healthy, pro-social lifestyles. This course reviews the conceptual and research background from which motivational enhancement therapy was derived and provides a practical introduction to the approach at a level appropriate for entry-level counselors.

Recommended Preparation: HUS 152 and ENGL C1000

CSU,
MC (1B)

HUS-155 Group Leadership and Group Process

CSU

3.0 Units / 3.0 hours LEC***Credit course for grade or Pass / No Pass***

This course will cover the dynamics of therapeutic groups as a means of motivating positive behavioral changes. Course content includes: types and purposes of groups; group rules, roles and norms; group development from formation to closure; and specific facilitator techniques and strategies for ensuring successful group outcomes. The knowledge and skills acquired from the course will help students prepare for diverse human services occupations and can be applied to a wide variety of service settings.

Recommended preparation: HUS 152, HUS 154, with a minimum grade of C, and ENGL C1000

HUS-156 Case Management and Documentation

CSU

3.0 Units / 3.0 hours LEC***Credit course for grade or Pass / No Pass***

This course will provide students with an overview of case management and documentation techniques used by human service providers. Topics include: intake interviewing; assessment; orientation procedures; referral and follow-up; various methods of planning for treatment, relapse prevention, and aftercare activities. Emphasis is placed on the skills of observation and recording, and both written and oral communication. The knowledge and skills acquired from the course will help students prepare for diverse human services occupations and can be applied to a wide variety of service settings.

Recommended Preparation: ENGL C1000

HUS-157 Co-Occurring Disorders and Mental Health Issues

CSU

2.0 Units / 2.0 hours LEC***Credit course for grade or Pass / No Pass***

This course will provide students with a fundamental understanding of the unique characteristics and treatment needs of people with co-occurring substance use disorders and mental illness. It examines the way in which the mental health systems, substance abuse treatment programs, and self-help groups work together to address the needs of clients with these co-occurring disorders.

Recommended Preparation: ARC 151, HUS 152, HUS 154, with a minimum grade of C and ENGL C1000

HUS-159 Intervention Theory and Techniques

CSU

2.0 Units / 1.5 hours LEC; 1.5 hours LAB***Credit course for grade or Pass / No Pass***

This course will provide an overview of the theories and practice of brief interventions appropriate for paraprofessional counseling. The course will blend motivational strategies with various brief intervention approaches used to address ambivalence and resistance to treatment and to support achievement of treatment goals.

Recommended Preparation: HUS 152, HUS 154, with a minimum grade of C and ENGL C1000

HUS-160 Law, Ethics and Human Services

CSU

2.0 Units / 2.0 hours LEC***Credit course for grade or Pass / No Pass***

This course will introduce students to professional ethics, laws and regulations, and provide an overview of the civil/criminal justice system as related to human services. A focus will be on the needs of paraprofessional counselors and human service workers.

Recommended Preparation: ENGL C1000

HUS-161 Introduction to Family Counseling Approaches

CSU

3.0 Units / 3.0 hours LEC***Credit course for grade or Pass / No Pass***

This course will introduce students to methods used by human services paraprofessionals to assist families with a variety of psychosocial issues. Students will analyze the dynamics of problematic family relationships and will develop practical counseling strategies in an experiential class setting.

Recommended Preparation: HUS 154 and ENGL C1000

HUS-162 Community Prevention Theory and Practice

CSU

3.0 Units / 3.0 hours LEC***Credit course for grade or Pass / No Pass***

This course will cover theories and practices related to the prevention of harmful attitudes and behaviors and the promotion of healthy ones at the community level. Risk and protective factors, science-based prevention strategies and model programs will be explored.

Recommended Preparation: ENGL C1000

COURSES

HUS-163 Professional Competency and Growth

CSU

2.0 Units / 2.0 hours LEC

Credit course for grade or Pass/No Pass

This course will examine the importance of self-care in human service professions. Strategies for personal and professional growth will be investigated. Early warning signs and techniques for avoiding stress, burn-out, and unhealthy relationship patterns in the work environment will be emphasized.

Recommended Preparation: ENGL C1000

HUS-170 Introduction to Social Work

CSU,
MC (4)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will provide an overview of the profession of Social Work and the roles and responsibilities of the Social Worker. Course content addresses theoretical perspectives for social workers; social justice and social welfare policy; and social work concepts and practices as applied to diverse settings and groups, including: family and children; mental health; healthcare; schools; older adults; people with disabilities, the criminal justice system, etc.

Recommended Preparation: ENGL C1000

HUS-171 Working with Adolescents and Young Adults

CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will provide an overview of characteristics and developmental issues related to transition age youth (youth ages 14-25). Students will learn culturally competent engagement strategies for addressing behavioral health problems experienced by TAY, as well as how to respond appropriately to the ethical challenges common to working with this age group in behavioral health settings.

Recommended Preparation: ENGL C1000

HUS-172 Working in Tribal Communities

CSU,
MC (Culture)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

The course will provide an overview of tribal human services in Lake and Mendocino Counties within the context of the unique history and current cultural and socioeconomic factors affecting Native Americans. The impacts of historical trauma on the development and implementation of trauma-informed Human Services in tribal communities will be addressed. Students will analyze their assumptions, beliefs and personal feelings related to working with Tribal governments, services, programs and tribal members, especially with regards to collaboration.

Recommended Preparation: ENGL C1000 and HUS 101 or HUS 170

HUS-173 Mindfulness Practice in Human Services

CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will provide students with an understanding of and ability to practice and teach Mindfulness. "Mindfulness" is the ability to be attentive in the moment and open to nuance and new information, while suspending preconceptions and judgment. It is a key skill in the repertoire of all counseling relationships. Students will explore theoretical concepts and learn to apply Mindfulness to their personal and professional lives. Students will discover how this awareness can help their clients reduce stress and pain, arrest addictive behavior, enhance productivity, become more creative, and develop more meaningful relationships. Emphasis will be placed on Mindfulness as an integral part of behavioral health.

Recommended Preparation: HUS 152

HUS-197A Human Service Worker Practicum

CSU

2.0 - 8.0 Units / Credit course for letter grade only

This course will provide students in the Human Service program the opportunity to apply knowledge, skills and attitudes learned in the classroom in a real human services workplace, while developing new job-specific knowledge and skills. This course will help students better understand human services as an occupation, and to gauge their interest and compatibility with a human services career.

Prerequisite: HUS 101 or HUS 170 and HUS 152 and HUS 156 with a minimum grade of C

Corequisite: HUS 103 and HUS 154

HUS-501 Working in Tribal Communities**0.0 Units / 3.0 hours LEC****Noncredit Course**

The course will provide an overview of tribal human services in Lake and Mendocino Counties within the context of the unique history and current cultural and socioeconomic factors affecting Native Americans. The impacts of historical trauma on the development and implementation of trauma-informed Human Services in tribal communities will be addressed. Students will analyze their assumptions, beliefs and personal feelings related to working with Tribal governments, services, programs and tribal members, especially with regards to collaboration.

Recommended Preparation: ENGL C1000 and HUS 101 or HUS 170

Course exempt from repeat provisions

ITALIAN**ITA-100 Conversational Italian: Level I**

CSU

2.0 Units / 2.0 hours LEC**Credit course for grade or Pass / No Pass**

This course will begin the development of practical Italian language skills with the emphasis on speaking and listening. Students will interact with authentic language in a cultural context. Course may not meet transfer requirements. See your counselor for more information.

ITA-101 Conversational Italian: Level II

CSU

2.0 Units / 2.0 hours LEC**Credit course for grade or Pass / No Pass**

This course will continue the development of practical Italian language skills with emphasis on speaking and listening. Students will interact with authentic language in a cultural context. Course may not meet transfer requirements. See your counselor for more information.

Recommended Preparation: ITA 100

ITA-200 Elementary Italian: Level ICSU, UC,
MC (3)**4.0 Units / 4.0 hours LEC****Credit course for grade or Pass / No Pass**

This course will present an introduction to Italian language and culture. It is designed to develop listening, speaking, reading, and writing skills. Students will interact with authentic language within the context of Italian culture and history.

ITA-201 Elementary Italian: Level IICSU, UC,
MC (3)**4.0 Units / 4.0 hours LEC****Credit course for grade or Pass / No Pass**

This course will continue the development of elementary speaking, listening, reading, and writing skills in Italian. Students will continue to interact with authentic language within the context of Italian culture and history.

Prerequisite: ITA 200, with a minimum grade of C, or two years of high school Italian

KINESIOLOGY**KIN-109 Fitness Instructor Training**

CSU

3.0 Units / 3.0 hours LEC**Credit course for grade or Pass / No Pass**

This course will include an in-depth investigation into the skills and techniques necessary to design, implement and oversee exercise prescription and programs for individuals at various levels of fitness.

KIN-200 Introduction to Kinesiology

CSU, UC

3.0 Units / 3.0 hours LEC**Credit course for grade or Pass / No Pass**

This course will introduce the historical, philosophical, sociological, psychological, and scientific foundations of the Kinesiology field. The course will also include an overview of careers, fields of study and requirements in Kinesiology and allied health disciplines. Issues, challenges, and current/future trends will also be addressed. (C-ID KIN 100)

COURSES

KIN-214 Introduction to Sport Related Injuries

CSU, UC

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover the introductory theories and principles associated with the prevention and care of sport-related injuries. Topics include first aid, treatment and prevention of sport related injuries including therapeutic techniques, rehabilitation modalities, taping and nutrition. Legal and ethical issues, professionalism, organization and administrations of a sports medicine facility will also be included.

LEARNING SKILLS

LRS-23 Learning Skills Laboratory

0.5 - 1.0 Units / 1.5 - 3.0 hours LAB

Credit course taken for Pass/No Pass only

This course will provide support for students with identified learning disabilities in completing assignments and accessing information from other college courses. Students will be able to identify and understand their learning disability and the appropriate accommodations needed in class for success. Students will be provided the opportunity to learn and adopt successful learning and study strategies to be successful in college level course work and to transfer skills to the work environment. Students will have the opportunity to learn and apply assistive technology and adaptive computer strategies in college courses. This is not a tutorial program.

Limitation on Enrollment: Requires instructor signature - student must be enrolled in a course in which the strategies can be applied.

Eligible students may enroll a maximum of 4 times.

LRS-500 Academics for Adult Learners with Disabilities

0.0 Units / 1.0 hours LEC; 3.0 hours LAB

Noncredit Course

This course will combine lecture and small group instruction with self-paced practice to encourage adult learners with disabilities to reach their educational and employment goals. Learning has no limits. Improving basic education and literacy skills can be the key to long-term self-sufficiency. Become more successful in college coursework or in the job market by increasing skills in reading, writing, mathematics, and communication. This course is designed for adult learners with disabilities.

Course exempt from repeat provisions

LRS-523 Basic Learning Skills Laboratory

0.0 Units / 1.5 - 3.0 hours LAB

Noncredit Course

This course will provide support for students with identified learning disabilities in completing assignments and accessing information from any college course. Students will be able to identify and understand their learning disability and the appropriate accommodations needed in class for success. Students will be provided the opportunity to learn and adopt successful learning and study strategies to be successful in college level course work and to transfer skills to the work environment. Students will have the opportunity to learn and apply assistive technology and adaptive computer strategies in college courses. This is not a tutorial program.

Limitation on Enrollment: Requires instructor signature - student must be enrolled in a course in which the strategies can be applied.

Course exempt from repeat provisions

LRS-525 Cooking for Adult Learners with Disabilities

0.0 Units / 1.25 hours LEC

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will assist students with intellectual disabilities to achieve greater independence at home. This course emphasizes practical cooking skills in relation to food preparation, kitchen hygiene and safety, cooking and storing food properly.

Course exempt from repeat provisions

LRS-526 Nutrition for Adult Learners with Disabilities

0.0 Units / 1.25 hours LEC

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will assist students with intellectual disabilities to achieve greater independence at home. This course emphasizes practical nutrition guidelines in relation to making healthy food choices, picking and following recipes, and planning for daily and weekly menus.

Course exempt from repeat provisions

LRS-527 Consumer Skills for Adult Learners with Disabilities**0.0 Units / 1.25 hours LEC*****Noncredit course for Pass/No Pass or Satisfactory Progress***

This course will assist students with intellectual disabilities to achieve greater independence at home and within the community. This course emphasizes consumer skills in relation to budgeting, shopping and restaurant etiquette.

*Course exempt from repeat provisions***LRS-528 Social Skills for Adult Learners with Disabilities****0.0 Units / 1.25 hours LEC*****Noncredit course for Pass/No Pass or Satisfactory Progress***

This course will assist students with intellectual disabilities to achieve greater independence at home and within the community. This course emphasizes developing appropriate social skills in relation to school, work, and community interactions.

*Course exempt from repeat provisions***LRS-529 Self-Advocacy for Adult Learners with Disabilities****0.0 Units / 1.25 hours LEC*****Noncredit course for Pass/No Pass or Satisfactory Progress***

This course will assist students with intellectual disabilities to achieve greater independence at home and within the community. This course emphasizes developing appropriate skills needed to advocate for one's self including the ability to speak for themselves, make decisions about their lives, and practicing self-determination.

*Course is exempt from repeat provisions***LRS-530 Personal Relationships for Adult Learners with Disabilities****0.0 Units / 1.25 hours LEC*****Noncredit course for Pass/No Pass or Satisfactory Progress***

This course will assist students with intellectual disabilities to have a better understanding of personal relationships. This course emphasizes understanding hygiene, naming of feelings, different friendships and basics of dating.

*Course is exempt from repeat provisions***LRS-531 Basic Computer Skills****0.0 Units / 1.25 hours LEC*****Noncredit course for Pass/No Pass or Satisfactory Progress***

This course will assist students with intellectual disabilities to achieve greater independence while using the computer. This course emphasizes personal and job-related skills.

*Course exempt from repeat provisions***LRS-532 Vocational Exploration****0.0 Units / 1.25 hours LEC*****Noncredit course for Pass/No Pass or Satisfactory Progress***

This course will assist students with intellectual disabilities to explore appropriate employment opportunities. This course provides supervised career exploration and guided support for career investigation. This course emphasizes employment analysis through exploring students' interests, abilities, and personality traits.

*Course exempt from repeat provisions***LRS-533 Interview Skills****0.0 Units / 1.25 hours LEC*****Noncredit course for Pass/No Pass or Satisfactory Progress***

This course will assist students with intellectual disabilities to prepare for a job interview. This course emphasizes interview preparedness, interview skills and what to do after an interview.

*Course exempt from repeat provisions***LRS-534 Work Place Skills****0.0 Units / 1.25 hours LEC*****Noncredit course for Pass/No Pass or Satisfactory Progress***

This course will assist students with intellectual disabilities to gain knowledge and to understand the skills needed in the workplace. This course emphasizes work related skills including attitude, attire, ethics, and time management.

Course exempt from repeat provisions

COURSES

LRS-535 Work-Related Communication Skills

0.0 Units / 1.25 hours LEC

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will assist students with intellectual disabilities to improve their communication skills in relationship to employment. This course emphasizes verbal communication and conflict resolution skills.

Course exempt from repeat provisions

LRS-536 Customer Service Skills

0.0 Units / 1.25 hours LEC

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will assist students with intellectual disabilities to approach customers with respect while using appropriate language and understanding. This course emphasizes customer service skills including attentiveness, communication and appropriate behavior.

Course exempt from repeat provisions

LIBRARY

LIB-200 Information and Research Competency

CSU, UC

1.0 Units / 1.0 hours LEC

Credit course for grade or Pass/No Pass

This course will teach the skills necessary to find, evaluate, use, and synthesize information to excel within a college environment or the world of work. This course will teach students to develop a process for dealing with the numerous information sources that barrage us in the 21st century, helping them succeed with academic research strategies and using resources effectively and ethically.

Recommended Preparation: ENGL C1000

LICENSED VOCATIONAL NURSING

LVN-101 Vocational Nursing I

CSU

17.5 Units / 12.5 hours LEC; 15.9 hours LAB

Credit course for letter grade only

This course will introduce fundamental nursing concepts such as critical thinking, scope of practice, safety, quality, and evidenced-based care. Students are introduced to common alterations of health and promoting optimum health across the lifespan. Students are also introduced to basic concepts of nutrition, anatomy and physiology, pharmacology and the theory of medication administration for the Licensed Vocational Nurse. Students learn basic skills required to practice as a Licensed Vocational Nurse. Students will integrate nursing knowledge and theory with experiences in the clinical setting.

Limitation on Enrollment: Acceptance into the Mendocino College LVN program

LVN-102 Vocational Nursing II

CSU

17.0 Units / 10.3 hours LEC; 20.5 hours LAB

Credit course for letter grade only

This course will build on the use of concepts and skills introduced in LVN 101. Students will continue exploring concepts of nutrition, anatomy and physiology, and pharmacotherapy for the Licensed Vocational Nurse. Students will integrate nursing knowledge and theory with concurrent experiences in the clinical setting.

Limitation on Enrollment: Acceptance into the Mendocino College LVN program

LVN-103 Vocational Nursing III

CSU

17.5 Units / 11.1 hours LEC; 19.8 hours LAB

Credit course for letter grade only

This course will build on the use of concepts and skills introduced in LVN 102 and facilitate the transition of the Student Vocational Nurse to the changing role of the Licensed Vocational Nurse. Students will continue the concepts of pharmacotherapy for the Licensed Vocational Nurse. Students will integrate nursing knowledge and theory with concurrent experiences in the clinical setting.

Limitation on Enrollment: Acceptance into the Mendocino College LVN program

MATHEMATICS

MTH-30 Math Success

1.0 Units / 1.0 hours LEC

Credit course taken for Pass / No Pass only

This course will introduce students to the skills needed to be a successful math student at the college level. Topics include study skills, time management, note-taking, reading a math textbook, overcoming math anxiety, and other skills specific to the math curriculum. This course is designed to be taken in conjunction with any level of math course for the development of the student's skill set.

Corequisite: Enrollment in a math course

MTH-33 Support for Trigonometry

2.0 Units / 2.0 hours LEC

Credit course for Pass / No Pass only

This course will cover topics from algebra that are essential to success in Trigonometry. It is designed for students who have not completed a course in Intermediate Algebra or the equivalent or those who feel they will need additional support in algebra to be successful in Trigonometry.

Corequisite: MTH 121

MTH-34 Support for Precalculus

2.0 Units / 2.0 hours LEC

Credit course for Pass / No Pass only

This course will cover topics from Algebra and Trigonometry that are essential to success in Precalculus. It is designed for students who may need additional support in concepts from Algebra and Trigonometry to be successful in Precalculus.

Corequisite: MTH 200

MTH-35 Support for Calculus

2.0 Units / 2.0 hours LEC

Credit course for Pass / No Pass only

This course will cover topics from Algebra, Trigonometry, and Precalculus that are essential to success in Calculus. It is designed for students who may need additional support in these concepts to be successful in Calculus I.

Corequisite: MTH 210

MTH-60 Beginning Algebra for STEM and Business Majors

4.0 Units / 3.5 hours LEC; 1.5 hours LAB

Credit course for grade or Pass / No Pass

This course will cover the topics of equations and inequalities in one variable, integer exponents, polynomials, equations and inequalities in two variables, rational expressions, radicals, quadratic equations, and the graphs of parabolas. This course is restricted to students without a high school diploma. Other students attempting to satisfy prerequisite requirements for transfer-level math courses should complete the online Math and English placement tool and meet with a counselor to determine the transfer-level math class and support that is appropriate for their educational goal.

MTH-77 Geometry

3.0 Units / 3.0 hours LEC

Credit course for letter grade only

This course will cover geometric concepts, deductive proof and logical arguments. Topics will include lines, angles, circles, triangles, similarity, congruence, coordinate geometry, volumes, and logic. This course is restricted to students without a high school diploma. Other students attempting to satisfy prerequisite requirements for transfer-level math courses should complete the online Math and English placement tool and meet with a counselor to determine the transfer-level math class and support that is appropriate for their educational goal.

Prerequisite: MTH 60, with a minimum grade of C, one year of college-prep Algebra I or Integrated Math I and/or II or higher-level math class, with a minimum grade of C, taken within three years of enrollment, or qualification for MTH 77 through the assessment process.

COURSES

MTH-80 Intermediate Algebra for STEM and Business Majors

4.0 Units / 4.0 hours LEC

MC (2)

Credit course for grade or Pass/No Pass

This course will cover functions, equations and inequalities in one variable, systems of linear equations in three variables, rational, exponential and logarithmic functions and equations. The course is intended for students majoring in math, a science discipline, computer science, business, or education. This course is restricted to students without a high school diploma. Other students attempting to satisfy prerequisite requirements for transfer-level math courses should complete the online Math and English placement tool and meet with a counselor to determine the transfer-level math class and support appropriate for their educational goal.

Prerequisite: MTH 60, with a minimum grade of C, one year of college-prep Algebra I, Integrated Math I, or a higher-level math class, with a minimum grade of C, or qualification for MTH 80 through the placement process.

MTH-80A Intermediate Algebra for STEM and Business Majors A

2.0 Units / 2.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover linear and polynomial functions and equations, inequalities in one variable, and systems of linear equations in three variables. The course is intended for students majoring in math, a science discipline, computer science, business, or education. This course is restricted to students without a high school diploma. Other students attempting to satisfy prerequisite requirements for transfer-level math courses should complete the online Math and English placement tool and meet with a counselor to determine the transfer-level math class and support appropriate for their educational goal.

Prerequisite: MTH 60, with a minimum grade of C, one year of college-prep Algebra I, Integrated Math I, or a higher-level math class, with a minimum grade of C, or qualification for MTH 80 through the placement process.

MTH-80B Intermediate Algebra for STEM and Business Majors B

2.0 Units / 2.0 hours LEC

Credit course for grade or Pass/No Pass

This course will cover rational, exponential, and logarithmic functions and equations. The course is intended for students majoring in math, a science discipline, computer science, business, or education. This course is restricted to students without a high school diploma. Other students attempting to satisfy prerequisite requirements for transfer-level math courses should complete the online Math and English placement tool and meet with a counselor to determine the transfer-level math class and support appropriate for their educational goal.

Prerequisite: MTH 80A, with a minimum grade of C, or qualification for MTH 80B through the placement process.

MTH-121 Trigonometry

4.0 Units / 4.0 hours LEC

**CSU,
MC (2)**

Credit course for grade or Pass/No Pass

This course will cover trigonometric functions, their inverses and their graphs, identities and proofs related to trigonometric expressions, trigonometric equations, solving right triangles, solving triangles using the Law of Cosines and the Law of Sines, polar coordinates, and introduction to vectors. (C-ID MATH 851)

Prerequisite: MTH 80, with a minimum grade of C, one year of college-prep Trigonometry or Pre-calculus or a higher-level math class, with a minimum grade of C, taken within three years of enrollment, or qualification for MTH 121 through the placement process

MTH-170 Mathematics in Native American Cultures

3.0 Units / 3.0 hours LEC

**CSU,
MC (2, Studies in Culture)**

Credit course for grade or Pass/No Pass

This course will examine the mathematics of Native American cultures. Students will explore the use of mathematics in topics such as counting, measurement, beadwork, basketry, methods of record keeping, games, and contemporary issues facing Native American populations. The mathematics involved includes concepts such as number theory, bases, geometry, probability, and mathematical modeling. This course is recommended for liberal arts students, educators, and others who are interested in cultural studies.

Prerequisite: MTH 60 or MTH 79, with a minimum grade of C, or qualification for MTH 170 through the placement process, or concurrent enrollment in MTH 540

MTH-179 Mathematics for Technical Fields

3.0 Units / 3.0 hours LEC

**CSU,
MC (2)**

Credit course for grade or Pass/No Pass

This course will introduce students to the computational skills required in automotive, construction, welding, and drafting technologies, as well as other applied academic programs. Topics include college algebra and algebraic thinking, trigonometry, geometry, measurement, statistics, and unit conversion.

Prerequisite: MTH 80, with a minimum grade of C, one year of college-prep Algebra II or Integrated Math III, or qualification for transfer-level math through the placement process

MTH-200 Precalculus MathematicsCSU, UC, Cal-GETC (2),
MC (2)

5.0 Units / 5.0 hours LEC

Credit course for letter grade only

This course will cover polynomial, rational, exponential, logarithmic, radical, absolute value, and trigonometric functions and their graphs; analytic geometry, and polar coordinates. (C-ID MATH 155)

Prerequisite: MTH 121, with a minimum grade of C, or qualification for MTH 200 through the placement process

MTH-205 Math for Liberal ArtsCSU, UC,
MC (2)

4.0 Units / 4.0 hours LEC

Credit course for grade or Pass / No Pass

This course will introduce students to mathematics as it applies to the individual and society. Topics include mathematical modeling, statistics, function analysis, and mathematical applications to current social concerns. Using real-world applications, emphasis is placed on the development of both critical thinking and mathematical problem-solving skills. This general education mathematics course is designed to be an accessible college-level mathematics course for students majoring in the liberal arts.

Prerequisite: MTH 80, with a minimum grade of C, successful completion of one-year of college-prep Algebra II or Integrated Math III, with a minimum grade of C, or placement into transfer-level math through the placement process.

MTH-210 Calculus and Analytic Geometry ICSU, UC, Cal-GETC (2),
MC (2)

5.0 Units / 5.0 hours LEC

Credit course for letter grade only

This course will serve as a first course in differential and integral calculus of a single variable. Concepts will include: functions; limits and continuity; techniques and applications of both differentiation and integration; and the Fundamental Theorem of Calculus. The course is designed primarily for those majoring in Science, Technology, Engineering, and Math (STEM). (C-ID MATH 210)

Prerequisite: MTH 200, with a minimum grade of C, or qualification for MTH 210 through the placement process.

MTH-211 Calculus and Analytic Geometry IICSU, UC, Cal-GETC (2),
MC (2)

5.0 Units / 5.0 hours LEC

Credit course for letter grade only

This course will cover integrals of transcendental functions, techniques of integration, improper integrals, parametric equations, polar coordinates, and infinite series. Applications covered will include areas between functions, volumes of revolution, work, centers of mass, hydrostatic force, arc length, surface area and approximations of functions using Taylor series. (C-ID MATH 220)

Prerequisite: MTH 210 with a minimum grade of C

MTH-212 Calculus and Analytic Geometry IIICSU, UC, Cal-GETC (2),
MC (2)

5.0 Units / 5.0 hours LEC

Credit course for letter grade only

This course will cover vectors and vector functions in two and three dimensions; surfaces in space; cylindrical and spherical coordinates; partial differentiation; multiple integration; Green's, Stoke's and Divergence Theorems. (C-ID MATH 230)

Prerequisite: MTH 211 with a minimum grade of C

MTH-214 Linear AlgebraCSU, UC, Cal-GETC (2),
MC (2)

4.0 Units / 4.0 hours LEC

Credit course for letter grade only

This course will include the theory of matrices, solutions of systems of linear equations, determinants, eigenvalues, eigenvectors, vector spaces, linear transformations, and applications. Math 214 is primarily for majors in mathematics, engineering, and computer science. Course provides students with useful tools for MTH 215. (C-ID MATH 250; MATH 910 S when MTH 215 is also completed)

Prerequisite: MTH 211 with a minimum grade of C

MTH-215 Differential EquationsCSU, UC, Cal-GETC (2),
MC (2)

3.0 Units / 3.0 hours LEC

Credit course for letter grade only

This course will cover the theory and applications of ordinary differential equations. Students will be introduced to solution techniques for first- and second-order differential equations including power series, Laplace transforms, matrices, eigenvalues and eigenvectors, and numerical methods. This course is primarily for majors in mathematics and engineering. Use of graphing calculators will be essential for the course. (C-ID MATH 240; MATH 910 S when MTH 214 is also completed)

Prerequisite: MTH 212 and MTH 214 with a minimum grade of C

COURSES

MTH-228 Introduction to Data Science
5.0 Units / 4.0 hours LEC; 1.0 hours LAB
Credit course for letter grade only

CSU, UC, Cal-GETC (2),
MC (2)

This course will introduce students to the foundations of data science from three perspectives: inferential thinking, computational thinking, and real-world relevance. The course will teach critical concepts and skills in computer programming and statistical inference in conjunction with hands-on analysis of real-world datasets, including socially meaningful issues, as well as issues surrounding data analysis such as privacy and design. Topics include measurement, histograms, box plots, scatter plots, contingency tables, descriptive statistics, ANOVA, regression, model predictions, sum of squares, t-test, p-value, F, R-Squared, randomization, permutation test, bootstrapping. *Prerequisite: MTH 80, with a minimum grade of C, successful completion of one-year of college-prep Algebra II or Integrated Math III, with a minimum grade of C, or placement into transfer-level math through the placement process.*

MTH-230 Calculus for Business and Economics
4.0 Units / 4.0 hours LEC
Credit course for letter grade only

CSU, UC, Cal-GETC (2),
MC (2)

This course will present a study of the techniques of Calculus with emphasis placed on the application of these concepts in problems related to business and managerial science. (C-ID MATH 140)
Prerequisite: MTH 80, with a minimum grade of C, or qualification for MTH 230 through the placement process.

MTH-540 Math Lab
0.0 Units / 1.5 - 4.5 hours LAB
Noncredit Course

This course will provide supplemental math skills support. Students will have the opportunity to work on assignments and get help as needed from a Math instructor either while enrolled in a Math course, or in preparation for their future Math courses. Students who require Math Lab as a corequisite for enrollment in a math class should enroll in Math 542.

Course exempt from repeat provisions

MTH-542 Math Lab for Corequisite Support
0.0 Units / 2.0 hours LAB

Noncredit course for Pass/No Pass or Satisfactory Progress

This course will provide supplemental math skills support for those who require a corequisite Math Lab for enrollment in a math course. Students will have the opportunity to work on assignments, review concepts applicable to their current course, and get help as needed from a Math instructor. Students who do not have a corequisite requirement should enroll in MTH 540 for Math Lab support.

Limitation on enrollment: Enrollment is limited to students who require Math Lab as a corequisite for enrollment in their math course. Students who do not have a corequisite requirements should enroll in MTH 540.

Course exempt from repeat provisions

MUSIC

Course Families

Course families are groups of active participatory courses that are related in content. Students are limited to no more than four attempts (grade or 'W') within each family group.

Guitar: MUS 222A, MUS 222B, MUS 222C, MUS 222D

Piano: MUS 210A, MUS 210B, MUS 210C, MUS 210D

Recording Studio Lab: MUS 115A, MUS 115B, MUS 115C, MUS 115D

Voice: MUS 220, MUS 230A, MUS 230B, MUS 230C, MUS 230D

MUS-110 Recording Studio Techniques I
3.0 Units / 3.0 hours LEC

CSU

Credit course for grade or Pass/No Pass

This course will focus on the study of recording, mixing, and producing music in a recording studio. Emphasis will be on the digital recording principles, acoustics, microphone selection and use, multi-track recording and basic mixing. Students will experience hands-on recording of studio sessions and concerts. The course includes an emphasis on the development of appreciation for the integrity of both emotional and intellectual responses to recordings of music from Western and non-Western cultures.

Corequisite: MUS 115A

MUS-111 Recording Studio Techniques II

CSU

3.0 Units / 3.0 hours LEC***Credit course for grade or Pass/No Pass***

This course will focus on audio recording systems, components, and philosophies. There will be an emphasis on the daily workings of a recording studio with experience in microphone placement, the mixing console, synchronization, and analog, digital, and hard disk recording. Students will experience hands-on recording of studio sessions and concerts. It will include an emphasis on the development of an appreciation for the integrity of both emotional and intellectual responses to recordings of music from Western and non-Western cultures.

*Prerequisite: MUS 110 with a minimum grade of C**Corequisite: MUS 115B***MUS-112 Recording Techniques III**

CSU

3.0 Units / 3.0 hours LEC***Credit course for letter grade only***

This course will cover advanced technologies in digital and analog recording, mixing, and editing. The role of the producer is explored including recording, mixing arranging, analyzing projects, session planning, communication, budgeting, business aspects, technical considerations, and music markets.

*Prerequisite: MUS 111 and MUS 115B with a minimum grade of C**Corequisite: MUS 115C***MUS-113 Recording Techniques IV**

CSU

3.0 Units / 3.0 hours LEC***Credit course for letter grade only***

This course will cover the advanced practice of procedures and techniques in recording and manipulating audio. The course includes an in-depth study of digital audio editing, advanced recording and engineering techniques including advanced automation; mixing, product manufacturing, professionalism in the workplace including the role of the tracking engineer, mixing engineer and mastering engineer. Session strategies including budgeting, technical considerations, business aspects and marketing will be analyzed and discussed. The course will cover multi-media audio including audio production for film.

*Prerequisite: MUS 112 and MUS 115C with a minimum grade of C**Corequisite: MUS 115D***MUS-115A Recording Studio Laboratory**

CSU

1.0 Units / 3.0 hours LAB***Credit course for grade or Pass/No Pass***

This course will focus on practical applications of recording techniques including the recording of rehearsals, performances, and class projects.

*Corequisite: MUS 110***MUS-115B Recording Laboratory II**

CSU

1.0 Units / 3.0 hours LAB***Credit course for letter grade only***

This course will focus on practical applications of audio recording systems, components and philosophies. Students will experience hands-on recording of studio sessions, ensemble rehearsals, and live performances. This course emphasizes study in the daily workings of a recording studio.

*Prerequisite: MUS 110 and MUS 115A with a minimum grade of C**Corequisite: MUS 111***MUS-115C Recording Laboratory III**

CSU

1.0 Units / 3.0 hours LAB***Credit course for letter grade only***

This course will focus on the comprehensive study in digital audio recording with Digidesign Pro Tools. Topics include digital audio theory, theory of analog and digital recording, signal flow, microphones, mixers, monitors, and hands-on introduction to the Pro Tools system.

*Prerequisite: MUS 111 and MUS 115B with a minimum grade of C**Corequisite: MUS 112*

COURSES

- MUS-115D Recording Laboratory IV** CSU
1.0 Units / 3.0 hours LAB
Credit course for letter grade only
This course will cover the practical application of digital and analog recording equipment and processes. In addition to recording, editing, and mixing, mastering techniques will be covered.
Prerequisite: MUS 112 and MUS 115C with a minimum grade of C
Corequisite: MUS 113
- MUS-199 Independent Study** CSU
0.5 - 4.0 Units / 1.5 - 12.0 hours LAB
Credit course for grade or Pass/No Pass
This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.
Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.
- MUS-200 Fundamentals of Music** CSU, UC,
MC (3)
3.0 Units / 3.0 hours LEC
Credit course for grade or Pass/No Pass
This course will focus on notation and primary elements of tonal music. It incorporates the following concepts: staff notation in treble and bass clefs, rhythm and meter; basic properties of sound; intervals; diatonic scales and triads; and diatonic chords. Development of skills in handwritten notation is expected. The course includes an emphasis on the development of an appreciation for the integrity of both emotional and intellectual responses to music of Western and non-Western cultures. (C-ID MUS 110)
- MUS-201A Music Theory/Musicianship I** CSU, UC,
MC (3)
4.0 Units / 4.0 hours LEC
Credit course for letter grade only
This course will focus on the study of common practice diatonic harmony and musicianship. Activities will include realization of figured bass, harmonization of melodies, and analysis of musical examples with regard to their historical and cultural context. (C-ID MUS 120; MUS 125)
Recommended Preparation: MUS 200 or equivalent skill is strongly recommended.
- MUS-201B Music Theory/Musicianship II** CSU, UC
4.0 Units / 4.0 hours LEC
Credit course for letter grade only
This course will incorporate the concepts from Music Theory I. In addition, through guided composition and analysis, the course will include: an introduction to two-part counterpoint; voice leading involving four-part chorale writing; diatonic harmony; and an introduction to secondary function in tonicization and modulation. (C-ID MUS 130; MUS 135)
Recommended Preparation: MUS 201A
- MUS-202A Music Theory/Musicianship III** CSU, UC
4.0 Units / 4.0 hours LEC
Credit course for letter grade only
This course will incorporate the concepts from Music Theory/Musicianship II. In addition, through composition and analysis, the course will include: introduction to chromatic harmony; secondary/applied chords; modulation; borrowed chords; and an introduction to Neapolitan and augmented-sixth chords. (C-ID MUS 140; MUS 145)
Recommended Preparation: MUS 201B
- MUS-202B Music Theory/Musicianship IV** CSU, UC
4.0 Units / 4.0 hours LEC
Credit course for letter grade only
This course incorporates concepts from Music Theory/Musicianship III. In addition, through writing and analysis, the course will include: post-Romantic techniques such as borrowed chords and modal mixture; chromatic mediants; Neapolitan and augmented-sixth chords; 9th, 11th, and 13th chords; altered chords; and 20th century techniques such as: Impressionism, tone rows, set theory, pandiatonicism, and polytonalism. (C-ID MUS 150; MUS 155)
Recommended Preparation: MUS 202A

MUS-203 Music History and Literature I**3.0 Units / 3.0 hours LEC***Credit course for grade or Pass/No Pass*

This course will focus on the history of music in Western Civilizations including the Middle Ages, Renaissance, and Baroque style periods of music. The analysis of established musical forms will be included. It includes an emphasis on the development of an appreciation for the integrity of both emotional and intellectual responses to music of Western cultures. (C-ID MUS 105)

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (3A),
MC (3)**MUS-204 Music History and Literature II****3.0 Units / 3.0 hours LEC***Credit course for grade or Pass/No Pass*

This course will focus on the history of music in Western Civilizations including the Classical, Romantic, Early 20th and New Music style periods of music. Analysis of established musical forms will be included. It also includes an emphasis on the development of an appreciation for the integrity of both emotional and intellectual responses to music of Western cultures. (C-ID MUS 106)

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (3A),
MC (3)**MUS-207 Introduction to Music Appreciation****3.0 Units / 3.0 hours LEC***Credit course for grade or Pass/No Pass*

This course will include the survey of art music in western civilization. Topics studied include but are not limited to elements of music, basic musical forms, music periods, styles, and the role of music and musicians in the western world. It includes an emphasis on the development of an appreciation for the integrity of both emotional and intellectual responses to music of Western and non-Western cultures. (C-ID MUS 100)

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (3A),
MC (3)**MUS-208 Music in World Culture****3.0 Units / 3.0 hours LEC***Credit course for grade or Pass/No Pass*

This course will explore music and its roles and functions in cultures around the world. Because the context of music is important in any culture and for any genre, this course focuses on the music itself and how it serves as a representation of each respective culture.

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (3A),
MC (3, Culture)**MUS-209 History of Rock and Jazz Styles****3.0 Units / 3.0 hours LEC***Credit course for grade or Pass/No Pass*

This course will cover elements of jazz and rock with attention to stylistic differences throughout their history. The evolution and influence of the music of jazz and rock in relation to modern day culture will be examined and analyzed.

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (3A),
MC (3)**MUS-210A Piano: Beginning I****2.0 Units / 1.5 hours LEC; 1.5 hours LAB***Credit course for grade or Pass/No Pass*

This course will focus on the introduction to playing the piano, interpreting musical notation and using the basic elements of music. Course objectives include ability to read, analyze and perform beginning level piano literature. (C-ID MUS 170)

CSU, UC,
MC (3)**MUS-210B Piano: Beginning II****2.0 Units / 1.5 hours LEC; 1.5 hours LAB***Credit course for grade or Pass/No Pass*

This course focuses on the continued piano instruction at the beginning level. An electronic keyboard system will be used to learn how to read music and perform in ensemble. Students will study music of different styles, eras, and cultures. Recommended for students preparing to teach in the elementary music majors, and interested students. Student placement to be determined by the instructor. (C-ID MUS 171)

Prerequisite: MUS 210A with a minimum grade of C

CSU, UC

COURSES

- MUS-210C Piano: Intermediate I** CSU, UC
2.0 Units / 1.5 hours LEC; 1.5 hours LAB
Credit course for grade or Pass/No Pass
This course will include the instruction of piano technique at the intermediate level. It utilizes a Yamaha Clavinova Lab. Instruction includes reading music, ensemble experience and repertoire development. Students will study music of different styles, eras, and cultures. (C-ID MUS 172)
Prerequisite: MUS 210B with a minimum grade of C
- MUS-210D Piano: Intermediate II** CSU, UC
2.0 Units / 1.5 hours LEC; 1.5 hours LAB
Credit course for grade or Pass/No Pass
This course will include continued instruction of piano technique at the intermediate level. It utilizes a Yamaha Clavinova Lab. Instruction includes reading music, ensemble experience and repertoire development. Students will study music of different styles, eras, and cultures.
Prerequisite: MUS 210C with a minimum grade of C
- MUS-218 History of Film Music** CSU, UC, Cal-GETC (3A),
MC (3)
3.0 Units / 3.0 hours LEC
Credit course for grade or Pass/No Pass
This course will provide an overview of the developing history, styles, and social trends in the music of the film industry. Starting with the silent films of the end of the 19th century and following through to the present day, this course uses film and music as a way to study world history and events. Designed as a world history course, this class approaches the study of historical developments and social changes throughout the world since the late 19th century.
- MUS-220 Opera Theatre-Performance** CSU, UC
1.0 - 3.0 Units / 3.0 - 9.0 hours LAB
Credit course for grade or Pass/No Pass.
This course will explore staging, performing, and study of respective roles through performance of a scene or scenes from a chosen opera or other musical theater production. Students are required to study, memorize, and perform on stage the assigned music and role in a production of specific repertoire chosen by the instructor. The opera or musical scene will be fully staged, with costume and setting, and will be performed for the public. The final performance will serve as the culminating project for this course.
Prerequisite: Student must demonstrate vocal and acting technique at an intermediate level.
- MUS-222A Guitar: Beginning I** CSU, UC
1.0 Units / 0.5 hours LEC; 1.5 hours LAB
Credit course for grade or Pass/No Pass
This course will focus on the technique of guitar performance including: reading notation, chord construction and accompaniment patterns, scales and performance of melodies.
- MUS-222B Guitar: Beginning II** CSU, UC
1.0 Units / 0.5 hours LEC; 1.5 hours LAB
Credit course for grade or Pass/No Pass.
This course will focus on the instruction of techniques in guitar performance and is a continuation of Music 222A. Reading melodies and chord changes from lead-sheet and score notation, chord construction and accompaniment patterns using the arpeggiation of seventh chords will be learned enabling students to play music written for guitar.
Recommended Preparation: MUS 222A
- MUS-222C Guitar: Beginning III** CSU, UC
1.0 Units / 0.5 hours LEC; 1.5 hours LAB
Credit course for grade or Pass/No Pass
This course will focus on the technique of guitar performance and is a continuation of Music 222B. Reading chord changes and melody from lead-sheet and score notation, improvisation over blues progressions, and chord construction using sus chords and added note chords will be learned enabling students to play music written for guitar.
Recommended Preparation: MUS 222B

MUS-222D Guitar: Beginning IV

CSU, UC

1.0 Units / 0.5 hours LEC; 1.5 hours LAB**Credit course for grade or Pass/No Pass**

This course will focus on the technique of guitar performance and is a continuation of Music 222C. Sight reading, chord construction, harmonization of melodies using chord inversions and cadential patterns and improvisation will be learned enabling students to play music written for guitar.

Recommended Preparation: MUS 222C

MUS-230A Beginning Voice

CSU, UC

1.0 Units / 0.5 hours LEC; 1.5 hours LAB**Credit course for grade or Pass/No Pass**

This course will focus on the art of singing with emphasis on the vocal mechanism and its care and use in solo and ensemble settings. Topics will include tone production, breath control, diction, and interpreting music notation.

MUS-230B Intermediate Voice

CSU, UC

1.0 Units / 0.5 hours LEC; 1.5 hours LAB**Credit course for grade or Pass/No Pass**

This course will focus on the art of singing with emphasis on the vocal mechanism and its care and use in solo and ensemble settings at the intermediate level. Topics will include tone production, breath control, diction, and interpreting music notation. It will include the interpretation of popular and classical repertoire, including foreign language repertoire.

Prerequisite: MUS 230A with a minimum grade of C

MUS-230C Singers' Repertoire I

CSU, UC

1.0 Units / 0.5 hours LEC; 1.5 hours LAB**Credit course for grade or Pass/No Pass**

This course will include the interpretation of classical and popular vocal repertoire. Material covered will include English, Italian, French, and German art songs; Italian, French, English, and German opera arias; songs from the musical theatre; and jazz and popular songs. Includes in-class and public performance.

Prerequisite: MUS 230B with a minimum grade of C

MUS-230D Singers' Repertoire II

CSU, UC

1.0 Units / 0.5 hours LEC; 1.5 hours LAB**Credit course for grade or Pass/No Pass**

This course will include the continuing development of vocal proficiency and differentiation of techniques for differing musical styles. Study of art songs in English, Italian, German, and French will continue, with opera arias in the same languages. Musical theatre and popular repertoire will continue to be developed. Includes in-class and public performances.

Prerequisite: MUS 230C with a minimum grade of C

MUS-250 Applied Music - Individual Instruction

CSU, UC

1.0 Units / 1.0 hours LEC**Credit course for letter grade only**

This course will provide individualized study of the appropriate techniques and repertoire for the specific instrument or voice being studied. The emphasis is on the progressive development of skills needed for solo performance.

Achievement is evaluated through a juried performance. Enrollment is subject to a standardized audition demonstrating basic competencies in technique and musicianship in the student's major performance medium. (C-ID MUS 160)

Corequisite: Enrollment in faculty approved music ensemble. Ensembles to be selected from the following: MUS 256; MUS 272; MUS 276; MUS 278; MUS 280; MUS 281; or MUS 285.

Limitation on Enrollment: Instructor permission and a successful audition are required.

May be taken for a maximum of 4 enrollments.

MUS-255 Mariachi Ensemble

CSU, UC

1.0 Units / 3.0 hours LAB**Credit course for grade or Pass/No Pass**

This course will provide students an opportunity to learn and perform a diverse range of mariachi ensemble repertoire. Students develop musical, technical and ensemble-playing skills on traditional and non-traditional Mariachi instruments and a variety of singing styles, while learning the history and traditions associated with the development of Mariachi music and culture. (C-ID MUS 180 and MUS 185)

Limitation on enrollment: Satisfactory audition required on first day

May be taken for a maximum of 4 enrollments

COURSES

MUS-256 Jazz Band

CSU, UC

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will include the study and performance of Big Band Jazz literature and will include the investigation of the fundamental techniques associated with jazz performance. The course includes an emphasis on the development of an appreciation for the integrity of both emotional and intellectual responses to music of Western and non-Western cultures. Attendance at scheduled rehearsals, sectionals and performances is required. (C-ID MUS 180)

Limitation on enrollment: Satisfactory audition required on first day

May be taken for a maximum of 4 enrollments

MUS-272 Symphonic Band

CSU, UC

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will include the study and performance of selected large-scale band literature. The emphasis will be repertoire scored for an ensemble with multiple part duplication. It will include the development of an appreciation for the integrity of both emotional and intellectual responses to music of Western and non-Western cultures.

Attendance at scheduled rehearsals and performances is required. (C-ID MUS 180)

Recommended Preparation: Ability to play a band instrument

May be taken for a maximum of 4 enrollments

MUS-276 Symphony Orchestra

CSU, UC

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will include the study and performance of selected large scale orchestral literature with an emphasis on repertoire scored for an ensemble with multiple part duplication. This course emphasizes both the emotional and the intellectual responses to Western and non-Western music. The student must demonstrate an ability to read printed music at sight on an orchestral instrument. Attendance at scheduled rehearsal and performances is required. (C-ID MUS 180)

Limitation on enrollment: Satisfactory audition required on first day

May be taken for a maximum of 4 enrollments

MUS-278 Chamber Orchestra

CSU, UC

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will include the study and performance of selected small-scale orchestral literature with an emphasis on repertoire scored for an ensemble with multiple part duplication. This course emphasizes both the emotional and intellectual responses to the assigned musical literature. Student must demonstrate an ability to read printed music at sight on an orchestral instrument. Attendance at scheduled rehearsals and performances is required. (C-ID MUS 180)

Limitation on enrollment: Satisfactory audition required on first day

May be taken for a maximum of 4 enrollments

MUS-280 Masterworks Chorale

CSU, UC

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will include the study and performance of selected large-scale choral literature accompanied by orchestra. The emphasis will be repertoire scored for an ensemble with multiple soprano, alto, tenor and bass part duplication. Attendance at scheduled rehearsals and performances is required. (C-ID MUS 180)

May be taken for a maximum of 4 enrollments

MUS-281 Concert Choir I

CSU, UC

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will focus on traditional choral music. The Concert Choir is a 40-60-voice mixed ensemble dedicated to the study, rehearsal, and performance of a cappella and accompanied choral literature from the Renaissance to the contemporary era. It is designed for the music major and students interested in singing great four-part choral music at the introductory level. The student will be required to attend scheduled rehearsals and performances. (C-ID MUS 180)

Limitation on enrollment: Satisfactory audition required on first day

May be taken for a maximum of 4 enrollments

MUS-285 Vocal Jazz Ensemble**1.0 Units / 3.0 hours LAB***Credit course for grade or Pass/No Pass*

This course will focus on the study and interpretation of vocal jazz styles. Emphasis is on improvisation, solo, and ensemble technique. Attendance at scheduled rehearsals and performances is required. (C-ID MUS 180)

Limitation on Enrollment: Instructor permission based on audition of sight reading and vocal technique skills.

May be taken for a maximum of 4 enrollments

MUS-510 Piano for Older Adults**0.0 Units / 1.50 hours LEC; 1.5 hours LAB***Noncredit course*

This course will introduce older adults to a variety of techniques unique to piano performance through an exploration of repertoire, history, and performance practices. The focus of the course is on the development of personal artistic interest, aptitude, creative self-expression, and enrichment of quality of life. Course activities will promote or help maintain physical, mental, social, and emotional well-being and accommodate varying skill levels. Instruction in technical and stylistic performance, cultural context, music appreciation, critical listening, and performance and practice techniques will be provided.

Course exempt from repeat provisions

MUS-522 Guitar for Older Adults**0.0 Units / 0.50 hours LEC; 1.5 hours LAB***Noncredit course*

This course will introduce older adults to a variety of techniques unique to guitar performance through an exploration of repertoire, history, and performance practices. The focus of the course is on the development of personal artistic interest, aptitude, creative self-expression, and enrichment of quality of life. Course activities will promote or help maintain physical, mental, social, and emotional well-being and accommodate varying skill levels. Instruction in technical and stylistic performance, cultural context, music appreciation, critical listening, and performance and practice techniques will be provided.

Course exempt from repeat provisions

MUS-530 Singing for Older Adults**0.0 Units / 0.50 hours LEC; 1.5 hours LAB***Noncredit course for Pass/No Pass or Satisfactory Progress*

This course will introduce older adults to a variety of techniques unique to vocal performance through an exploration of repertoire, history, and performance practices. The focus of the course is on the development of personal artistic interest, aptitude, creative self-expression and enrichment of quality of life. Course activities will promote or help maintain physical, mental, social and emotional well-being and accommodate varying skill levels. Instruction in technical and stylistic performance, cultural context, music appreciation, critical listening, and performance and practice techniques will be provided.

Course exempt from repeat provisions

MUS-556 Jazz Band for Older Adults**0.0 Units / 3.0 hours LAB***Noncredit Course*

This course will introduce older adults to a variety of techniques unique to instrumental performance through an exploration of jazz repertoire, history, and performance practices. The focus of the course is on the development of personal artistic interest, aptitude, creative self-expression and enrichment of quality of life. Course activities will promote or help maintain physical, mental, social and emotional well-being and accommodate varying skill levels. Instruction in technical and stylistic performance, cultural context, music appreciation, critical listening, and performance and practice techniques will be provided.

Limitation on enrollment Satisfactory audition required on first day

Course exempt from repeat provisions

COURSES

MUS-572 Symphonic Band for Older Adults

0.0 Units / 3.0 hours LAB

Noncredit Course

This course will introduce older adults to a variety of techniques unique to instrumental performance through an exploration of wind ensemble repertoire, history, and performance practices. The focus of the course is on the development of personal artistic interest, aptitude, creative self-expression and enrichment of quality of life. Course activities will promote or help maintain physical, mental, social and emotional well-being and accommodate varying skill levels. Instruction in technical and stylistic performance, cultural context, music appreciation, critical listening, and performance and practice techniques will be provided.

Limitation on enrollment Satisfactory audition required on first day

Course exempt from repeat provisions

MUS-576 Symphony Orchestra Band for Older Adults

0.0 Units / 3.0 hours LAB

Noncredit Course

This course will introduce older adults to a variety of techniques unique to instrumental performance through an exploration of orchestral repertoire, history, and performance practices. The focus of the course is on the development of personal artistic interest, aptitude, creative self-expression and enrichment of quality of life. Course activities will promote or help maintain physical, mental, social and emotional well-being and accommodate varying skill levels. Instruction in technical and stylistic performance, cultural context, music appreciation, critical listening, and performance and practice techniques will be provided.

Limitation on enrollment Satisfactory audition required on first day

Course exempt from repeat provisions

MUS-580 Masterworks Chorale for Older Adults

0.0 Units / 3.0 hours LAB

Noncredit Course

This course will introduce older adults to a variety of techniques unique to chorale performance through an exploration of repertoire, history, and performance practices. The focus of the course is on the development of personal artistic interest, aptitude, creative self-expression and enrichment of quality of life. Course activities will promote or help maintain physical, mental, social and emotional well-being and accommodate varying skill levels. Instruction in technical and stylistic performance, cultural context, music appreciation, critical listening, and performance and practice techniques will be provided.

Limitation on enrollment Satisfactory audition required on first day

Course exempt from repeat provisions

MUS-585 Vocal Jazz for Older Adults

0.0 Units / 3.0 hours LAB

Noncredit Course

This course will introduce older adults to a variety of techniques unique to vocal jazz performance through an exploration of repertoire, history, and performance practices. The focus of the course is on the development of personal artistic interest, aptitude, creative self-expression and enrichment of quality of life. Course activities will promote or help maintain physical, mental, social and emotional well-being and accommodate varying skill levels. Instruction in technical and stylistic performance, cultural context, music appreciation, critical listening, and performance and practice techniques will be provided.

Course exempt from repeat provisions

NATIVE AMERICAN LANGUAGES

NAL-200 Elementary Northern Pomo: Level I

CSU, UC

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will foster the acquisition of elementary Northern Pomo language within a cultural context. It is designed to develop listening, speaking, reading, and writing skills so that students can actively participate in the revitalization of this Indigenous language. The material is presented within the context of cultural practices, history, and tribal communities of Pomo people who have resided in Northern California for several thousand years. Because the language is dormant, with no living fluent speakers, students will interact both with speakers who have studied the language and with recordings of traditional fluent speakers.

NATURAL RESOURCES

NRS-199 Independent Study

CSU

0.5 - 4.0 Units / 1.5 - 12.0 hours LAB

Credit course for grade or Pass/No Pass

This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.

Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.

NRS-200 Environmental Science

CSU, UC, Cal-GETC (5A),
MC (5)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will introduce students to a field that brings aspects of biology, physics and chemistry together with geology and geography to understand the earth and its interrelated systems. The main emphasis is on sustainable use of Earth's resources and the reduction of pollution. The focus on objective physical and biological principles is critical when dealing with complex environmental problems that often have equity ramifications in our diverse society.

(C-ID ENV5 100; GEOL 130)

Recommended Preparation: ENGL C1000

NRS-200L Environmental Science Laboratory

CSU, UC, Cal-GETC (5C)

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will present hands-on, inquiry-based learning in topics associated with Environmental Science, including field trips to local sites. Experiences will include applications of physical science principles, ecological studies, and exposure to sustainability issues and environmental justice related to human society.

Prerequisite: NRS 200 with a minimum grade of C

Corequisite: NRS 200

NURSING

NUR-50 LVN-to-RN Transition

1.0 Units / 1.0 hours LEC

Credit course for letter grade only

This course will provide the concepts necessary to facilitate transition of the LVN to the changing role of the Registered Nurse. Emphasis will be on nursing process, role transitioning, evidence based practice and legal/ethical issues.

Prerequisite: Active California Licensed Vocational Nurse from a program with an OB and pediatric component and formal admission to Mendocino College LVN to RN Program

NUR-52A Nursing Technical Lab 1

1.0 Units / 3.0 hours LAB

Credit course for letter grade only

This course will prepare first-semester RN students to achieve proficiency in basic systems head-to-toe assessments.

Students will participate in assigned basic patient-care simulations and demonstrate proficiency in basic IV skills.

Limitation on Enrollment: Acceptance into the Mendocino College RN Program

Corequisite: NUR 102

NUR-52B Nursing Technical Lab II

1.0 Units / 3.0 hours LAB

Credit course for letter grade only

This course will prepare second-semester RN students to achieve proficiency in head-to-toe assessments focusing on pediatric and obstetrical clients. Students will participate in related patient-care simulations.

Prerequisite: NUR 52A, with a minimum grade of C, or equivalent

Corequisite: NUR 112

COURSES

NUR-52C Nursing Technical Lab III

1.0 Units / 3.0 hours LAB

Credit course for letter grade only

This course will prepare third-semester RN students to achieve proficiency in moderately advanced head-to-toe assessments. Students will participate in patient-care simulations to augment theory taught in lecture.

Prerequisite: NUR 52B or NUR 52T, with a minimum grade of C, or equivalent

Limitation on Enrollment: Acceptance into the Mendocino College RN Program

Corequisite: NUR 122

NUR-52D Nursing Technical Lab IV

1.0 Units / 3.0 hours LAB

Credit course for letter grade only

This course will prepare fourth-semester RN students to achieve proficiency in advanced head-to-toe assessments. Students will participate in complex patient-care simulations including Mock Code.

Prerequisite: NUR 52C, with a minimum grade of C, or equivalent

Limitation on Enrollment: Acceptance into the Mendocino College RN Program

Corequisite: NUR 132

NUR-52T Nursing LVN-to-RN Transition Lab

1.0 Units / 3.0 hours LAB

Credit course for letter grade only

This course will prepare LVN-to-RN students to enter advanced nursing courses. This is a structured lab in which first-year RN skills will be verified and advanced skills developed. This course will also provide an opportunity for students to practice theory learned in the co-requisite NUR50 course.

Limitation on Enrollment: Active California-licensed vocational nurse from a program with an OB and pediatric component and formal admission to Mendocino College LVN-to-RN Program

Corequisite: NUR 50

NUR-102 Nursing Concepts and Skills I

CSU

10.0 Units / 5.0 hours LEC; 15.0 hours LAB

Credit course for letter grade only

This course will provide an introduction to nursing concepts and skills. Students are introduced to the application of critical thinking and the nursing process needed to provide basic care to clients. Emphasis is on promoting optimum health across the health-illness continuum.

Limitation on Enrollment: Acceptance into the Mendocino College RN Program

NUR-105 Pharmacology I

CSU

1.0 Units / 1.0 hours LEC

Credit course for letter grade only

This course will provide an introduction to the concepts of pharmacology and theory of medication administration for the Registered Nurse. Students will begin building their knowledge base regarding specific agents used to treat infectious diseases, acute and chronic pain, and diabetes.

Limitation on Enrollment: Acceptance into the Mendocino College RN Program

Corequisite: NUR 102

NUR-112 Nursing Concepts and Skills II

CSU

10.0 Units / 5.0 hours LEC; 15.0 hours LAB

Credit course for letter grade only

This course will continue nursing concepts and skills with a focus on common alterations of health and on promoting optimum health across the lifespan with emphasis on maternal/newborn and pediatric clients. Clinical experiences will include acute care and obstetric units and a wide variety of community care settings including pediatric clinics and outpatient perinatal services.

Prerequisite: NUR 102, with a minimum grade of C, or equivalent

NUR-115 Pharmacology II

CSU

1.0 Units / 1.0 hours LEC

Credit course for letter grade only

This course will continue to develop the concepts of pharmacotherapy for the registered nurse. Content focuses on pharmacological considerations for the pediatric and maternal/newborn clients, pediatric dosage calculations, reproductive health agents, antiviral therapy, and respiratory and cardiac medications.

Prerequisite: NUR 105, with a minimum grade of C, or equivalent

Corequisite: NUR 112

NUR-116 Introduction to Nursing Seminar

CSU

1.0 Units / 1.0 hours LEC*Credit course for letter grade only*

This course will introduce the second semester RN student to evidence-based practice, patient teaching, and utilization of library and internet resources to find professional nursing journal information.

Corequisite: NUR 112

NUR-121 Leadership and Management I

CSU

1.0 Units / 1.0 hours LEC*Credit course for letter grade only*

This course will provide an introduction to the roles of the Registered Nurse as care provider and teacher. The semester will focus on competencies expected of the graduate ADN, including leadership and followership, critical thinking skills, ethical dilemmas, legal mandates, communication, conflict resolution, role transition, prioritization, and delegation.

Corequisite: NUR 122

NUR-122 Complex Medical/Surgical Nursing I

CSU

8.0 Units / 4.0 hours LEC; 12.0 hours LAB*Credit course for letter grade only*

This course will introduce students to the specialty nursing areas of community health, psychiatric, emergency and disaster nursing. Emphasis will be on the pathological conditions of the neurological, cardiopulmonary, vascular, respiratory, genitourinary, and integumentary system as well as multisystem organ failure and shock. Students are expected to formulate and apply nursing care plans based on thorough assessment of patients in the clinical setting and on knowledge of pathophysiology and psychosocial needs of the patient.

Prerequisite: NUR 50 or NUR 112, with a minimum grade of C, or equivalent

NUR-125 Pharmacology III

CSU

1.0 Units / 1.0 hours LEC*Credit course for letter grade only*

This course will continue the concepts of pharmacotherapy for the Registered Nurse. Content includes pharmacological considerations for patients with degenerative diseases of the nervous system, seizure disorders, hypertension, dysrhythmias, heart failure, cardiac emergencies and shock, urinary or bladder disorders, and lower respiratory disorders.

Prerequisite: NUR 50 or NUR 115, with a minimum grade of C, or equivalent

Corequisite: NUR 122

NUR-126 Nursing Seminar I

CSU

2.0 Units / 2.0 hours LEC*Credit course for letter grade only*

This course will build on the use of evidence based practice introduced in NUR 116. Students will integrate nursing knowledge and theory with concurrent experiences in the clinical setting. This course includes practice in interpretation of research based nursing journal articles, group presentations, and participation in online discussions.

Prerequisite: NUR 50 or NUR 116, with a minimum grade of C, or equivalent

Corequisite: NUR 122

NUR-131 Leadership & Management II

CSU

1.0 Units / 1.0 hours LEC*Credit course for letter grade only*

This course will prepare the students to apply and interview for a new graduate nurse position. The course will build on concepts taught in previous leadership course with a focus on preparing for the application and interview process, roles in organization and planning, workplace safety, quality improvement and becoming an influential nurse.

Prerequisite: NUR 121, with a minimum grade of C, or equivalent

Corequisite: NUR 132

NUR-132 Complex Medical/Surgical Nursing II

CSU

8.0 Units / 4.0 hours LEC; 12.0 hours LAB*Credit course for letter grade only*

This course will expand on the area of psychiatric nursing introduced in NUR 122. Emphasis will be on the pathological conditions related to mental health, gastrointestinal system, biliary and hepatic system, hematologic and neoplasms disorders, obesity and endocrine disorders including diabetes and musculoskeletal disorders including musculoskeletal trauma.

Prerequisite: NUR 122, with a minimum grade of C, or equivalent

COURSES

NUR-135 Pharmacology IV CSU
1.0 Units / 1.0 hours LEC
Credit course for letter grade only
This course will provide a continuation of the concepts of pharmacotherapy for the Registered Nurse. Content includes pharmacological considerations for the patient with lipid disorders, mood disorders, psychosis, immunological disorders, gastrointestinal disorders, thyroid conditions, and neoplastic conditions.
Prerequisite: NUR 125, with a minimum grade of C, or equivalent
Corequisite: NUR 132

NUR-136 Nursing Seminar II CSU
2.0 Units / 2.0 hours LEC
Credit course for letter grade only
This course will continue to explore the integration of nursing knowledge and theory with concurrent clinical experiences in mental health, management, acute medical surgical nursing, and implicit bias.
Prerequisite: NUR 126, with a minimum grade of C, or equivalent
Corequisite: NUR 132

NUR-501 Nursing Mathematics Workshop
0.0 Units / 0.5 hours LAB
Noncredit Course
This course will offer incoming registered nursing program students the opportunity to develop competence in nursing mathematics through instruction and supervised practice.
Limitation on Enrollment: Acceptance into the Mendocino College RN Program
Course exempt from repeat provisions

PHILOSOPHY

PHL-210 Introduction to Ethics CSU, UC, Cal-GETC (3B),
MC (3)
3.0 Units / 3.0 hours LEC
Credit course for grade or Pass / No Pass
This course will explore the concepts of morality and values and examine representative ethical theories and concepts around ethical decision-making, codes of moral conduct, obligation, responsibility, permission, utilitarianism, Kantianism, virtue ethics, consequentialism, distributive justice, social justice, exploring the role of ethics in society and applications to contemporary moral problems. Moral problems that may be examined include abortion, euthanasia/assisted suicide, capital punishment, war, hunger and homelessness, global resource inequality, animal rights, the trolley problem, the free rider problem, the environment and future generations, racial and gender injustice, sexual and reproductive autonomy, exploitation, or personal and social responsibility and public policy. (C-ID LPPS 120; PHIL 120)
Recommended Preparation: ENGL C1000

PHL-220 Introduction to Philosophy CSU, UC, Cal-GETC (3B),
MC (3)
3.0 Units / 3.0 hours LEC
Credit course for grade or Pass / No Pass
This course will explore philosophical ideas and methods concerning knowledge, reality, and values through reading and analysis of fundamental assumptions and principles found in primary philosophical texts. Topics will include the sources and limits of knowledge (epistemology), the nature of reality (metaphysics), ethics (value), and argumentation (Logic). Other topics that may be examined are the philosophies of self, truth, religion, science, language, beauty and art, political theory, or mind. (C-ID PHIL 100)
Recommended Preparation: ENGL C1000

PHL-230 Religions of the World CSU, UC, Cal-GETC (3B),
MC (3, Culture)
3.0 Units / 3.0 hours LEC
Credit course for grade or Pass / No Pass
This course will analyze primary sources and authoritative texts to explore the philosophical study of the meaning and nature of religion. It includes the analyses of religious concepts, beliefs, terms, arguments, and practices of religious adherents and compares the origins, beliefs, rituals, and ideas of religions. Religions discussed include Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam. Further, one or more of the following traditions may be examined: Shinto, Jainism, Sikhism, Zoroastrianism, Greek, and Roman, as well as indigenous traditions from various cultures. Emphasis is placed on the relationship between individual belief and practice, and appreciation of the diversity of religious beliefs in relation to one's own.
Recommended Preparation: ENGL C1000

PHYSICAL EDUCATION - ADAPTIVE

PEA-550 Adaptive Physical Fitness and Resistance Training

0.0 Units/1.5 - 2.0 hours LAB

Noncredit Course

This course will cover the basic fundamentals of resistance training and physical fitness for students with disabilities. The major components of the lab will include muscular fitness (strength and endurance), cardiovascular endurance, and flexibility. Through individual and small group setting, students will learn proper techniques and skills that allow them to progress to a higher level of physical fitness and resistance according to each individual student's parameters.

Course exempt from repeat provisions

PHYSICAL EDUCATION - FITNESS

Course Families

Course families are groups of active participatory courses that are related in content. Students are limited to no more than four attempts (grade or 'W') within each family group.

Cardiovascular Fitness: PEF 80, PEF 201, PEF 202, PEF 280

Resistance Training: PEF 216, PEF 217, PEF 218

PEF-80 Individual Exercise Lab

1.0 - 2.0 Units/3.0 - 6.0 hours LAB

Credit course for grade or Pass/No Pass

This course will provide general conditioning, focused on participation in an individualized exercise program. Emphasis is placed on activities that contribute to lifelong wellness.

PEF-201 Sport Related Physical Fitness Training

CSU, UC

1.0 - 2.0 Units/3.0 - 6.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the physical training elements that enhance participation in sports. It is a physical activity course and includes cardiovascular endurance, muscle strength and endurance, speed, agility, and balance.

PEF-202 Low Impact Fitness

CSU, UC

1.0 Units/3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover physical conditioning to provide cardiovascular, strength, and flexibility fitness through active participation.

PEF-216 Weight Training

CSU, UC

1.0 Units/3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the general muscular endurance and strength components of physical fitness are enhanced and investigated through active participation in a resistance exercise program.

PEF-217 Circuit Weight Training

CSU, UC

1.0 Units/3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will provide physical conditioning through circuit weight training. Emphasis will be put on enhance muscular endurance and strength as it applies to health and fitness.

PEF-218 Power Weight Lifting

CSU, UC

1.0 Units/3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will introduce power lifting techniques for building power, strength and size in all muscle groups. It is an active participatory course.

COURSES

PEF-280 Physical Fitness

CSU, UC

1.0 - 2.0 Units / 3.0 - 6.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the techniques and application of an all-around physical fitness program. Students will gain an understanding of health and fitness through participation in a personal exercise program which emphasizes individual activities that contribute to lifelong wellness and fitness.

PHYSICAL EDUCATION - SPORT

Course Families

Course families are groups of active participatory courses that are related in content. Students are limited to no more than four attempts (grade or 'W') within each family group.

Team Sports: PES 204, PES 208, PES 224

Individual Sports: PES 264A, PES 264B, PES 273A, PES 273B

PES-204 Baseball

CSU, UC

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the fundamental skills, techniques, game strategies, and rules appropriate to baseball.

PES-208 Basketball

CSU, UC

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the fundamentals, rules, and strategies necessary to play basketball. Teaching proper techniques and skills through drills and games to enable the student to progress to a higher skill level.

PES-224 Soccer

CSU, UC

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the basic techniques and skill required to play soccer.

PES-230 Beginning Aikido

CSU, UC

1.0 Units / 3.0 hours LAB

Credit course for letter grade only

This course is designed for students who want to develop introductory skills in aikido. Aikido is a powerful martial art developed in Japan. The practice of Aikido includes warm up and flexibility exercises, practical combative and defensive techniques combined with an appreciation for formal etiquette. Students will develop a greater understanding of the relationship between mind, body, and spirit, which will help them deal with both physical and mental conflict in a more positive way.

PES-264A Tennis-Beginning

CSU, UC

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the basic fundamentals, rules and strategies necessary to play tennis. The focus is on teaching the proper techniques and skills to enable the student to progress to a higher skill level.

PES-264B Tennis-Intermediate

CSU, UC

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the intermediate techniques, rules and strategies required to play tennis. Proper techniques and skills learned will enable progress to an intermediate skill level.

PES-273A Beginning Foil Fencing

CSU, UC

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the fundamentals of the dynamic European martial art of foil fencing. Students will be instructed in the basics of the Italian School of Foil Fencing which will include (but not be limited to) proper foil fencing etiquette, vocabulary/terminology, placements of the weapon and corresponding hand positions, right-of-way rules, families of actions, proper footwork and movement patterns, and proper bouting etiquette.

PES-273B Intermediate Foil Fencing

CSU, UC

1.0 Units / 3.0 hours LAB*Credit course for grade or Pass / No Pass*

This course will cover the intermediate instruction in Classic Italian foil fencing. Students will be expected to possess a basic knowledge of foil fencing which includes: proper fencing etiquette; terminology; placements of the weapon and corresponding hand positions; right-of-way rules; families of actions; proper footwork and movement patterns, as well as proper bouting etiquette.

PES-274A Self Defense

CSU, UC

1.0 Units / 3.0 hours LAB*Credit course for grade or Pass / No Pass*

This course will introduce the fundamentals of self-defense and self-preservation. Students will be instructed in the basics of these fundamentals, which will include (but not limited to): the legal and moral aspects of self-defense; the social and psychological aspects of self-defense; verbal control and de-escalation; and, a wide variety of physical techniques for avoiding escalated conflict and protecting one's self in the event of a physical attack. Self-trauma assessment and immediate treatment of life-threatening wounds/injuries will also be taught.

PHYSICAL THERAPIST ASSISTANT**PHYSICAL THERAPIST ASSISTANT ACCREDITATION STATUS**

The Physical Therapist Assistant Program at Mendocino College is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 3030 Potomac Ave., Suite 100, Alexandria, Virginia 22305-3085; telephone: 703-706-3245; email: accreditation@apta.org; website: <http://www.capteonline.org>. If needing to contact the program or the institution directly, please call 707-467-1057 or email PTA@mendocino.edu.

PTA-100 Introduction to Physical Therapy

CSU

1.0 Units / 1.0 hours LEC*Credit course for grade or Pass / No Pass*

This course will introduce students to careers related to the field of physical therapy. It will outline job descriptions, educational background, labor market and practice settings for the different jobs related to physical therapy.

PTA-101 Physical Therapy Practice for the PTA

CSU

2.0 Units / 2.0 hours LEC*Credit course for letter grade only*

This course will introduce the students to the profession of Physical Therapist Assistant by covering the history, laws and ethics of the profession. Introduction to professional/ medical documentation and quality assurance issues will be presented. Students will also study communication techniques, interpersonal relationships and psychosocial considerations in healthcare.

*Prerequisite: Admission to the PTA Program***PTA-102 Pathology**

CSU

3.0 Units / 3.0 hours LEC*Credit course for letter grade only*

This course will introduce the pathophysiology of all major organ systems of the body. The etiology, signs, symptoms, diagnosis, prognosis and interventions related to common diseases and disorders seen in the physical therapy setting will be covered.

*Prerequisite: Admission to the PTA Program***PTA-103 Patient Care Skills Theory**

CSU

2.0 Units / 2.0 hours LEC*Credit course for letter grade only*

The course will introduce students to the theory of basic patient care skills performed by the physical therapist assistant including positioning, monitoring vital signs, infection control techniques, transfer training and gait training. Students will also be introduced to the assessment and treatment processes of the physical therapist assistant.

*Prerequisite: Admission to the PTA Program**Corequisite: PTA 103L*

COURSES

- PTA-103L Patient Care Skills Lab** CSU
1.5 Units / 4.5 hours LAB
Credit course for letter grade only
This course will provide practical training in basic care skills performed by the physical therapist assistant including position, monitoring vital signs, infection control techniques, transfer training and gait training. Students will also begin assessment and intervention techniques for the physical therapist assistant in this laboratory course.
Prerequisite: Admission to the PTA Program
Corequisite: PTA 103
- PTA-104 Clinical Kinesiology Theory** CSU
2.0 Units / 2.0 hours LEC
Credit course for letter grade only
This course will cover kinesiology and anatomy of the musculoskeletal and neuromuscular systems. Emphasis will be on musculoskeletal anatomy and physiology including arthrokinematics, static and dynamic movement systems and associated clinical applications. Principles of goniometry and manual muscle testing will also be introduced.
Prerequisite: Admission to the PTA Program
Corequisite: PTA 104L
- PTA-104L Clinical Kinesiology Lab** CSU
1.5 Units / 4.5 hours LAB
Credit course for letter grade only
This course will consist of the laboratory component of PTA 104 Clinical Kinesiology. Students will apply kinesiology and biomechanics principles of PTA 104 Clinical Kinesiology in a practical setting. Assessment of joint range of motion, muscle strength, posture and gait will be performed. Surface palpation skills will also be developed in this laboratory course.
Prerequisite: Admission to the PTA Program
Corequisite: PTA 104
- PTA-105 Therapeutic Exercise Theory** CSU
2.0 Units / 2.0 hours LEC
Credit course for letter grade only
This course will cover the use of exercise as a preventative and rehabilitative modality for the treatment of pathological conditions. Emphasis is placed on the physiologic effects of exercise as well as the design and application of exercise programs to improve strength, flexibility, posture and balance. This course will also address exercise specific to cardiac rehabilitation, aquatic physical therapy and work hardening.
Prerequisite: Admission to the PTA Program
Corequisite: PTA 105L
- PTA-105L Therapeutic Exercise Lab** CSU
1.5 Units / 4.5 hours LAB
Credit course for letter grade only
This course will provide the practical training for the use of exercise as a preventative and rehabilitative modality for the treatment of pathological conditions. It is the laboratory component of PTA 105 Therapeutic Exercise Theory and will allow for application of concepts taught in that course. Therapeutic exercise principles will be illustrated through practice for strength, flexibility, posture and balance. More specific programs of therapeutic exercise for cardiac rehabilitation, aquatic therapy and work hardening will also be covered.
Prerequisite: Admission to the PTA Program
Corequisite: PTA 105
- PTA-106 Therapeutic Agents Theory** CSU
2.0 Units / 2.0 hours LEC
Credit course for letter grade only
This course will cover the use of physical agents in the treatment of common conditions seen in the physical therapy setting. Various thermal, mechanical and electromagnetic agents will be presented with corresponding indications and contraindications. Evidence based rationale for use of physical agents will also be addressed.
Prerequisite: Admission to the PTA Program
Corequisite: PTA 106L

PTA-106L Therapeutic Agents Lab

CSU

0.5 Units / 1.5 hours LAB*Credit course for letter grade only*

This course will instruct students in the safe and effective use of physical agents in the treatment of common conditions seen in the physical therapy setting. Students will learn correct set up and application of thermal, mechanical and electromagnetic agents. This course is the laboratory course that corresponds with PTA 106 Physical Agents Theory.

*Prerequisite: Admission to the PTA Program**Corequisite: PTA 106***PTA-107 Orthopedic Management Theory**

CSU

2.0 Units / 2.0 hours LEC*Credit course for letter grade only*

This course will focus on dysfunction, disease and trauma of the musculoskeletal system. Concepts of tissue healing, signs and symptoms of orthopedic dysfunctions, surgical interventions and physical therapy interventions will be addressed. Students will be expected to integrate knowledge and skills from previous PTA coursework to the orthopedic patient.

*Prerequisite: Admission to the PTA Program**Corequisite: PTA 107L***PTA-107L Orthopedic Management Lab**

CSU

1.0 Units / 3.0 hours LAB*Credit course for letter grade only*

This course will provide the practical training for assessment and treatment of the orthopedic conditions seen in the physical therapy setting. It is the laboratory component of PTA 107 Orthopedic Management and will focus on application of concepts taught in that course. Treatment strategies for disorders of the spine, upper extremity and lower extremity will be covered. Students will be expected to integrate knowledge and skills from previous PTA coursework and apply it to the orthopedic patient.

*Prerequisite: Admission to the PTA Program**Corequisite: PTA 107***PTA-108 Neurology and Development Theory**

CSU

2.0 Units / 2.0 hours LEC*Credit course for letter grade only*

This course will cover basic neuroanatomy and neurophysiology with a focus on human growth and development from birth to the aged adult. It will cover the physical, cognitive, social and emotional changes with aging and their impact on functional movement. The process of motor development through motor control and motor learning will be addressed and applied to treatment of neurologic conditions through the lifespan.

*Prerequisite: Admission to the PTA Program**Corequisite: PTA 108L***PTA-108L Neurology and Development Lab**

CSU

1.0 Units / 3.0 hours LAB*Credit course for letter grade only*

This course will provide the practical training for the assessment and treatment of normal and abnormal neurodevelopment. It is the laboratory component of PTA 108 Neurology and Development and will focus on neurodevelopmental treatment techniques for pediatric patients and continuing through the lifespan. Fundamentals of treatment for neurological conditions in the adult and general treatment strategies related to geriatric patients will also be covered.

*Prerequisite: Admission to the PTA Program**Corequisite: PTA 108***PTA-109 Neurologic Management Theory**

CSU

2.0 Units / 2.0 hours LEC*Credit course for letter grade only*

This course will cover physical therapy interventions for common neurologic conditions. Additionally, assessment, medical management, environmental barriers, adaptive equipment, psychosocial issues and effective interdisciplinary management will also be covered as it applies to the patient with a neurologic condition. Students will apply neuroanatomy and developmental concepts learned in PTA 108 Neurology and Development to the adult patient with a neurologic condition.

*Prerequisite: Admission to the PTA Program**Corequisite: PTA 109L*

COURSES

- PTA-109L Neurologic Management Lab** CSU
1.0 Units / 3.0 hours LAB
Credit course for letter grade only
This course will cover the practical training for the assessment and treatment of common neurologic conditions by the physical therapist assistant. It is the laboratory component of PTA 109 Neurologic Management Theory and will apply principles of patient management taught in that course. It will incorporate treatment principles and progression from previous courses through the use of case studies.
Prerequisite: Admission to the PTA Program
Corequisite: PTA 109
- PTA-110 Advanced Procedures Theory** CSU
2.0 Units / 2.0 hours LEC
Credit course for letter grade only
This course will cover physical therapy care for unique patient populations including patients with respiratory dysfunction, women's health patients, oncology patients, amputees, patients with vestibular dysfunction, chronic pain patients and those with complex multi-system pathology. Topics include diagnoses, medical and physical therapy interventions, special considerations and equipment needs for these patient populations.
Prerequisite: Admission to the PTA Program
Corequisite: PTA 110L
- PTA-110L Advanced Procedures Lab** CSU
1.0 Units / 3.0 hours LAB
Credit course for letter grade only
This course will provide the practical training for physical therapy care for unique patient populations including patients with respiratory dysfunction, women's health patients, oncology patients, amputees, patients with vestibular dysfunction, patients with chronic pain and those with complex multi-system pathology. This is the laboratory portion of PTA 110 Advanced Procedures Theory. The focus of this course will be the application of concepts and interventions to patient treatment scenarios.
Prerequisite: Admission to the PTA Program *Corequisite: PTA 110*
- PTA-111 Professional Integration** CSU
2.0 Units / 2.0 hours LEC
Credit course for letter grade only
This course will cover issues related to practice management and encourage problem solving skills to integrate all knowledge and skills learned throughout the PTA Program. The course will be discussion based and focus on learning through case studies. This course will also prepare students for licensure as a PTA and include a comprehensive exam covering all information taught in the PTA Program.
Prerequisite: Admission to the PTA Program
- PTA-118 Clinical Development** CSU
1.0 Units / 3.0 hours LAB
Credit course for letter grade only
This course will provide students with the opportunity to observe physical therapy evaluation and treatment of patients by PTA program faculty. Students will observe physical therapy treatment during scheduled class time on campus as well as develop professional skills for clinical education experiences during semesters 3 and 4. This course will also familiarize students with the Clinical Performance Instrument to prepare them for future clinical education experiences in the program.
Prerequisite: Admission to the PTA Program and completion of PTA program semester 1 coursework
- PTA-121 Clinical Practicum I** CSU
6.0 Units / 19.0 hours LAB
Credit course for letter grade only
This course will provide students with the opportunity to observe and participate in patient care as directed by a clinical instructor. Students will be placed in a clinical setting for a full time (40 hrs/wk), eight-week clinical experience where they will apply knowledge and skills learned in semesters one, two and three of the PTA Program. Students will provide care as directed by a licensed physical therapist or physical therapist assistant for uncomplicated and complicated patients with the degree of supervision and guidance based on the patient and the environment. Students are expected to be operating at an intermediate level by the end of this clinical experience.
Prerequisite: Admission to the PTA Program and successful completion of all coursework prior to clinical practicum

PTA-122 Clinical Practicum II

CSU

6.0 Units / 19.0 hours LAB*Credit course for letter grade only*

This course will provide students with the opportunity to observe and participate in patient care as directed by a clinical instructor. Students will be placed in a clinical setting for a full time (40 hrs/wk), eight-week clinical experience where they will apply knowledge and skills learned in semesters one through four of the PTA Program. Students will provide care as directed by a licensed physical therapist or physical therapist assistant for uncomplicated and complicated patients with the degree of supervision and guidance based on the patient and the environment. Students are expected to provide patient care and fulfill the role of the physical therapist assistant at entry level by the end of this clinical experience.

Prerequisite: Admission to the PTA Program and successful completion of all coursework prior to clinical practicum

PHYSICS**PHY-202 Introductory Physics**CSU, UC, Cal-GETC (5A, 5C),
MC (5)**4.0 Units / 3.0 hours LEC; 3.0 hours LAB***Credit course for grade or Pass/No Pass*

This course will introduce classical and modern physics without the use of mathematics. Topics of study include motion, momentum, energy, thermodynamics, light, electricity and magnetism, relativity, atomic and nuclear physics.

Prerequisite: MTH 80 or high school Algebra II with a minimum grade of C

PHY-210 General Physics ICSU, UC, Cal-GETC (5A, 5C),
MC (5)**4.0 Units / 3.0 hours LEC; 3.0 hours LAB***Credit course for grade or Pass/No Pass*

This course will give students a non-calculus-based introduction to classical physics. Topics include vectors, kinematics and dynamics, Newton's Laws, work and energy, momentum, conservation principles, static equilibrium, vibrations and waves, fluids, sound, and thermodynamics. This course assumes knowledge of basic algebra and trigonometry and is recommended for students majoring in the life sciences and similar programs. (C-ID PHYS 105; PHYS 100 S when PHY 211 is also completed)

Prerequisite: MTH 121 with a minimum grade of C

PHY-211 General Physics IICSU, UC, Cal-GETC (5A, 5C),
MC (5)**4.0 Units / 3.0 hours LEC; 3.0 hours LAB***Credit course for grade or Pass/No Pass*

This course will continue the non-calculus based introduction to classical physics of PHY 210. Topics include electric charge, field and potential, DC and AC circuits, magnetism, electromagnetic waves, light, optics, and modern physics. This course assumes knowledge of basic algebra and trigonometry and is recommended for students majoring in the life sciences. (C-ID PHYS 110; PHYS 100 S when PHY 210 is also completed)

Prerequisite: PHY 210 or PHY 220 with a minimum grade of C

PHY-220 Physics for Scientists and Engineers ICSU, UC, Cal-GETC (5A, 5C),
MC (5)**4.0 Units / 3.0 hours LEC; 3.0 hours LAB***Credit course for letter grade only*

This course will begin a three-semester calculus-based physics sequence for scientists and engineers. This introduction to elementary mechanics includes the topics: vectors, Newton's laws, work and energy, rigid body rotation and angular momentum, conservation laws, gravitation, and oscillations. (C-ID PHYS 205; PHYS 200 S when PHY 221 and PHY 222 are also completed)

Prerequisite: MTH 210 with a minimum grade of C

Recommended Preparation: PHY 210 and/or high school physics strongly recommended.

PHY-221 Physics for Scientists and Engineers II

CSU, UC

4.0 Units / 3.0 hours LEC; 3.0 hours LAB*Credit course for letter grade only*

This course will be one of a three-semester calculus-based physics sequence for scientists and engineers. This introduction to electricity and magnetism includes the topics: electric charges and force, the electric field, the electric potential, electric current and resistance, the magnetic field and electromagnetic induction, DC and AC circuits, electromagnetic waves, and special relativity. (C-ID PHYS 210; PHYS 200 S when PHY 220 and PHY 222 are also completed)

Prerequisite: PHY 220 and MTH 211 with a minimum grade of C

Corequisite: MTH 211

Recommended Preparation: MTH 212

COURSES

PHY-222 Physics for Scientists and Engineers III

CSU, UC

4.0 Units / 3.0 hours LEC; 3.0 hours LAB

Credit course for letter grade only

This course will be one part of a three-semester calculus-based physics sequence for scientists and engineers. This introduction to thermodynamics, waves and modern physics includes the topics: heat and temperature, ideal gas laws, the first and second laws of thermodynamics, kinetic theory, heat engines and refrigerators, traveling and standing waves, interference, wave optics, geometrical optics, optical instruments, quantization, atomic physics, uncertainty, quantum mechanics, the nucleus and the Standard Model. (C-ID PHYS 215; PHYS 200 S when PHY 220 and PHY 221 are also completed)

Prerequisite: PHY 220 and MTH 211 with a minimum grade of C

POLITICAL SCIENCE

POLS-197 Political Science Internship

CSU

1.0 - 8.0 Units / Credit course for grade or Pass/No Pass.

This course will enable students to earn credit for completing a supervised internship in national, state, local or related political organizations or government agencies. Internships are courses in which students demonstrate knowledge and skills learned in the classroom in a real work situation, while developing new job-specific knowledge and skills. Internships also help students learn to work in a professional environment with others from a variety of backgrounds and experiences, better understand an occupation, and gauge their interest and compatibility with a specific career. Students can earn up to 8 units per semester (for a total of 14 combined Work Experience units).

Limitation on Enrollment: Requires Instructor consent. Students must meet criteria for internship work site.

Recommended Preparation: POLS 201, POLS 202, POLS 203, POLS 205, or POLS C1000

POLS-199 Independent Study

CSU

0.5 - 4.0 Units / 1.5 - 12.0 hours LAB

Credit course for grade or Pass/No Pass

This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.

Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.

POLS-C1000 American Government and Politics

CSU, UC, Cal-GETC (4),
MC (4, 4A)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. (C-ID POLS 110)

Recommended Preparation: ENGL C1000

POLS-201 Comparative Politics

CSU, UC, Cal-GETC (4),
MC (4)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will compare and contrast different kinds of political systems around the world, including analysis of race/ethnicity, political culture, key historical events, institutional structures and decision making processes. Case studies include industrialized democracies, former and current communist states, and states of the Global South. (C-ID POLS 130)

Recommended Preparation: ENGL C1000

POLS-202 Political Theory

CSU, UC, Cal-GETC (4),
MC (4)

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass/No Pass

This course will provide an introduction to classic and contemporary political theory, including Western political thought from Plato to the present, as well some comparative perspectives from other traditions. Course topics include fundamental concepts such as power, freedom, equality and justice; and modern political ideologies such as liberalism, conservatism, socialism, feminism and ecologism. (C-ID POLS 120; POLS 150)

Recommended Preparation: ENGL C1000

POLS-203 International Relations

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will provide an introductory survey of world politics involving a historical and theoretical analysis of the relations among states and international organizations. It will also explore from various perspectives contemporary issues in international affairs, including related to race, ethnicity and political culture; international institutions and global order; diplomacy and bargaining; war, terrorism, and weapons of mass destruction; international trade, finance and economic development; global environmental challenges; and human rights. (C-ID POLS 140)

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (4),
MC (4, Culture)**POLS-205 Native Americans and the U.S. Political System**

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will examine the relationship of Native Americans to the U.S. political system from the Colonial era to contemporary period. It includes analysis of Native American political structures and functions, Federal Indian policy, the relationship between tribes and states, and important issues affecting the American Indian community.

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (4),
MC (4)**POLS-206 Women in American Politics**

3.0 Units / 3.0 hours LEC

Credit course for letter grade only

This course will provide an introduction to women's participation and representation in American politics from the mid-19th century to the present. Combining a theoretical, historical and practical approach to understanding the challenges and opportunities for women in the U.S. political system, the course focuses on past and present struggles against gender bias and discrimination in seeking political rights, power, and equality via advocacy, elections and institutional leadership.

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (4),
MC (4)**PSYCHOLOGY****PSYC-199 Independent Study**

0.5 - 4.0 Units / 1.5 - 12.0 hours LAB

Credit course for grade or Pass / No Pass

This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.

Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.

CSU

PSYC-C1000 Introduction to Psychology

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. (C-ID PSY 110)

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (4),
MC (4, Wellness)**PSYC-206 Human Sexuality**

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course provides an introductory, theory-based overview of the social and behavioral science of human sexuality. Human sexual behavior will be examined through established psychological, biological, sociocultural, and historical theories, with an emphasis on scientific methods used to study sexuality. Major theoretical perspectives, empirical research, and cross-cultural data will be used to explore contemporary sexual norms as well as the social, interpersonal, and individual factors that shape sexual development and adjustment. (C-ID PSY 130)

*Recommended Preparation: ENGL C1000*CSU, UC, Cal-GETC (4),
MC (4, Wellness)

COURSES

- PSYC-208 Psychology of Loss and Death** CSU, UC, Cal-GETC (4),
3.0 Units / 3.0 hours LEC MC (4, Wellness)
Credit course for grade or Pass / No Pass
This course will examine the research and theories surrounding the human experience of death, loss, and grief. Topics include healthy vs. unhealthy grieving, psychological reactions to death and loss, cultural and religious variations in grief reactions, historical perspectives on loss and death, the real-life applications of understanding the grief process, and students' own attitudes about loss and death.
Recommended Preparation: ENGL C1000
- PSYC-210 Psychology of Life Span Development** CSU, UC, Cal-GETC (4),
3.0 Units / 3.0 hours LEC MC (4, Wellness)
Credit course for grade or Pass / No Pass
This course will study, from a psychological perspective, human development from conception through death. Biological, environmental (including culturally bound experiences) will be addressed. Theories and research of the normal and abnormal physical, cognitive, social development will be examined. (C-ID PSY 180)
Recommended Preparation: ENGL C1000
- PSYC-212 Personality Theories** CSU, UC, Cal-GETC (4),
3.0 Units / 3.0 hours LEC MC (4)
Credit course for grade or Pass / No Pass
This course will explore the major historical and contemporary theories of personality and the application of these theories to the understanding and analysis of human behavior. Topics will include cultural influences on personality, as well as issues of race and ethnicity.
Recommended Preparation: ENGL C1000
- PSYC-216 Social Psychology** CSU, UC, Cal-GETC (4),
3.0 Units / 3.0 hours LEC MC (4)
Credit course for grade or Pass / No Pass
This course will explore the myriad interactions between people. Topics include study of attitude formation and change, persuasion, compliance, conformity, obedience, group phenomena, social cognition, gender roles, stereotypes, and aggression. Special attention will focus on culturally bound psychosocial behaviors and diverse populations. (C-ID PSY 170)
Recommended Preparation: ENGL C1000
- PSYC-218 Abnormal Psychology** CSU, UC, Cal-GETC (4),
3.0 Units / 3.0 hours LEC MC (4)
Credit course for grade or Pass / No Pass
This course will provide an introduction to the branch of psychology that studies and treats mental illness and psychological disorders. Areas of study include the diagnosis, treatment, prognosis of mental illness and psychological disorders. The social, cultural, environmental, and biological influences on psychopathology will be addressed. (C-ID PSY 120)
Recommended Preparation: ENGL C1000 and PSYC C1000
- PSYC-220 Psychology of Gender** CSU, UC, Cal-GETC (4),
3.0 Units / 3.0 hours LEC MC (4, Culture)
Credit course for grade or Pass / No Pass
This course will examine the psychological and social implications of gender roles with consideration of sociocultural and historical influences. This course will explore classical and contemporary views of gender roles and the effects on individual development and relationships. Additional focus will be given to the effects of race, ethnicity, socioeconomic status, and other forms of culture on gender.
Recommended Preparation: ENGL C1000
- PSYC-225 Psychology of Personal and Social Adjustment** CSU, UC, Cal-GETC (4),
3.0 Units / 3.0 hours LEC MC (4, Wellness)
Credit course for grade or Pass / No Pass
This course will examine the biopsychosocial perspectives that shape personal and social adjustment. Students will evaluate the analytical foundations of adjustment theories across the lifespan considering the influence of culture, gender, ethnicity, historical cohort, and socioeconomic status. (C-ID PSY 115)
Recommended Preparation: ENGL C1000

PSYC-250 Research Methods in PsychologyCSU, UC, Cal-GETC (4),
MC (4)**3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass/No Pass***

This course will provide an introduction to scientific research methods in the social sciences. Topics will include research experimental and nonexperimental research designs and procedures, ethics, literature reviews, collecting and analyzing data, interpreting and reporting results, becoming familiar with American Psychological Association (APA) writing format, and critical analysis of scientific findings. Topics will be examined within the context of the various subdivisions of Psychology, as well as from culturally diverse perspectives. (C-ID PSY 200)

Prerequisite: PSYC C1000 and STAT C1000 with a minimum grade of C

PSYC-255 Introduction to PsychobiologyCSU, UC, Cal-GETC (5B),
MC (5)**3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass/No Pass***

This course will provide an introduction to the physiological basis of behavior, with an emphasis on the nervous and endocrine systems and their relationship to human behavior. Topics include: sensation, perception, emotion, motivation, thinking, learning, memory, language development, genetics, human evolution and psychological disorders. Research methods used to study behavior and mental processes will be addressed, along with the ethical and cultural implications of experimental research. (C-ID PSY 150)

Prerequisite: PSYC C1000 with a minimum grade of C

Recommended Preparation: ENGL C1000

PSYC-290 Introduction to the Counseling ProfessionCSU, UC,
MC (4)**3.0 Units / 3.0 hours LEC*****Credit course for grade or Pass/No Pass***

The course will introduce students to theories, and methodologies employed in psychotherapy and counseling, as related to human behavior. It will address counseling methods and techniques in terms of the psychological theories employed (e.g., psychodynamic, existential, humanistic, cognitive, behavioral), as well as special topics in counseling (e.g., cultural, couples/family, child/adolescent, group, career, school, mental health), and the research methodologies and interventions in clinical psychology. Special attention will be given to student's understanding of issues related to the implications of mental health and wellness from diverse and culturally bound perspectives.

Recommended Preparation: ENGL C1000 and PSYC C1000

REAL ESTATE**RLS-65 Fundamentals of Home Inspections****1.0 Units / 1.0 hours LEC*****Credit course for grade or Pass/No Pass***

This course will introduce real estate professionals and home owners to basic construction techniques and terminology that will allow for the recognition of the visual signs or indications of defects in a structure, including the property itself. Such areas where trouble spots may be found include drainage, foundations, roofs, electrical, plumbing, and mechanical systems. It will also cover environmental constraints that can affect the desirability and value of a home.

RLS-73 Real Estate Financial Calculations**0.5 Units / 0.5 hours LEC*****Credit course for grade or Pass/No Pass***

This course will prepare the student who is considering buying a home or enhance the skills of real estate professionals who are actively engaged in the field of real estate. The student will learn to utilize the Calculated Industries Real Estate Calculator to compute real estate financial calculations found in a typical real estate transaction, such as down payment amounts, loan amortizations, and calculation of interest payments.

RLS-74 Real Estate Licensing Preparation**1.0 Units / 1.0 hours LEC*****Credit course for grade or Pass/No Pass***

This course will prepare students to pass the State Real Estate Salesperson's or Broker's Examinations through a concentrated review of the principles of real estate. The course will emphasize topics typically covered in the state examinations, such as property ownership, encumbrances, real estate agency, real estate law, contracts, finance, title and escrow, taxation, appraisal and real estate mathematics. Additionally, the course will focus on test-taking techniques and current content of the state examinations.

COURSES

RLS-160 Real Estate Principles CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will survey the principles, concepts, and laws pertaining to the field of real estate. It is a prerequisite to and prepares the student for taking the real estate salesperson's license examination and applies toward the educational requirements for a broker's license.

RLS-161 Real Estate Practices CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will introduce the student to practical knowledge needed by persons engaged in the real estate business, relating to brokerage, salesmanship, marketing, overall procedures, forms, and contracts. Fulfills State licensing requirements for salesperson's and broker's license.

Recommended Preparation: RLS 160

RLS-162 Real Estate Appraisal CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will introduce students and real estate professionals to basic methods and techniques used in appraising real property; fundamental principles and techniques of valuation; types of appraisal reports; appraisal trade associations; and the code of ethics as it relates to residential property. This course fulfills State license requirements for salespersons and brokers.

Recommended Preparation: RLS 160 or real estate license

RLS-163 Real Estate Finance CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will focus on the regulations and procedures for financing real estate; types of lenders, loans, and types of financing; and the processes of qualifying buyers and property. Fulfills State license requirements for brokers and salespersons.

Recommended Preparation: RLS 160

RLS-164 Legal Aspects of Real Estate CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will introduce students to California real property law, including rights incident to property ownership and management, estates in land, agency, community property, contracts, conveyances, escrow, property taxation, trust deeds, foreclosure, land use and zoning controls, and landlord/tenant relationships, as well as recent legislation and litigation governing real estate transactions.

RLS-167 Real Estate Economics CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will examine the causes and effects of value fluctuations in real estate, including the economic factors affecting real estate; urban development; urban renewal, and regulation of land uses; business fluctuations and real estate cycles; the financial markets; and commercial, industrial, and residential income properties and trends. This course fulfills State license and educational requirements for brokers and salespersons.

RLS-170 Property Management CSU

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will review the principles and practices of managing residential, commercial, industrial, and special purpose income properties. Covers nature and types of property management, leases and contracts, collections, rent schedules, tenant selection and supervision, budgets, and purchasing. This course fulfills State license and educational requirements for brokers and salespersons.

RLS-172 Real Estate Investments

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will focus on the fundamentals of real estate investments and provide the student an understanding of real estate market activities that fluctuate as a function of supply and demand. Students will learn how investing in real estate can be profitable and/or be utilized as a tax shelter. Students will examine the various types of investment properties, such as residential, commercial and industrial, including environmental issues associated with land development.

CSU

SCIENCE**SCI-200 Exploration of STEM Fields and Careers**

1.0 Units / 1.0 hours LEC

Credit course for grade or Pass / No Pass

This course will provide an introduction to the many opportunities in STEM (Science Technology Engineering and Math) fields and careers. It is recommended for all students interested in exploring a STEM degree program.

CSU, UC

SOCIOLOGY**SOC-200 Introduction to Sociology**

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will provide a set of concepts and theories to describe and explain the social behavior of human beings and organization of society. Students examine subjects such as culture, deviance, sexuality, media, social stratification, and the institutions of the family, religion, education, politics, and the economy. (C-ID SOCI 110)

CSU, UC, Cal-GETC (4),
MC (4)**SOC-201 Social Problems**

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will provide an identification and analysis of contemporary social problems including the role of power, resources and ideology in the definition of social problems, their causes and consequences, evaluations of proposed solutions, and methods of intervention. Topics will vary. (C-ID SOCI 115)

CSU, UC, Cal-GETC (4),
MC (4, Culture)**SOC-203 Introduction to LGBTQ+ Studies**

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will examine a broad range of contemporary LGBTQ+ issues in various domestic and global contexts including bio-medical, sociological and political. Additionally, students have the opportunity to explore intersecting identities while developing research and critical thinking skills vital for further progress in the program. (C-ID SJS 130)

CSU, UC, Cal-GETC (4),
MC (4, Culture)*Recommended Preparation: ENGL C1000***SOC-210 Sociology of Families**

3.0 Units / 3.0 hours LEC

Credit course for grade or Pass / No Pass

This course will provide a systematic study of the family as a social and historical institution. The biological, psychological and sociological factors that impact family relationships are considered, including mate selection, courtship, human sexuality, marital adjustment, parenthood, cohabitation, divorce and economic and social policies. Successful students will be able to apply major sociological concepts and paradigms related to family life. (C-ID SOCI 130)

CSU, UC, Cal-GETC (4),
MC (4, Wellness)**SPANISH****SPN-100 Conversational Spanish: Level I**

2.0 Units / 2.0 hours LEC

Credit course for grade or Pass / No Pass

This course will be a beginning level development of verbal skills in Spanish by means of vocabulary acquisition, structural practice, and guided conversation. The course utilizes a practical conversational approach to acquiring a language and to communicate with Spanish speakers. Course may not meet transfer requirements. See your counselor for more information.

CSU

COURSES

- SPN-101 Conversational Spanish: Level II** CSU
2.0 Units / 2.0 hours LEC
Credit course for grade or Pass / No Pass
This course will continue the development of practical Spanish language skills with the emphasis on speaking and listening. The course utilizes a practical conversational approach to acquiring a language and to communicate with Spanish speakers. Students will interact with authentic language in a cultural context. Course may not meet transfer requirements. See your counselor for more information.
Recommended Preparation: SPN 100
- SPN-102 Conversational Spanish: Level III** CSU
2.0 Units / 2.0 hours LEC
Credit course for grade or Pass / No Pass
This course will continue the development of practical Spanish language skills with the emphasis on speaking and listening. Mastery of the language will be enhanced through vocabulary and practical usage. The course uses a practical conversational approach to learning a language to communicate with Spanish speakers. Course may not meet transfer requirements. See your counselor for more information.
Recommended Preparation: SPN 101
- SPN-199 Independent Study** CSU
0.5 - 4.0 Units / 1.5 - 12.0 hours LAB
Credit course for grade or Pass / No Pass
This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.
Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.
- SPN-200 Elementary Spanish: Level I** CSU, UC,
MC (3)
4.0 Units / 4.0 hours LEC
Credit course for grade or Pass / No Pass
This course will foster the acquisition of elementary Spanish language in a cultural context. It is designed to develop listening, speaking, reading, and writing skills to communicate with Spanish speakers. The material is presented within the context of cultures, histories, and peoples of Spanish-speaking societies, including the US. Students will interact with authentic language within a Spanish immersion environment.
(C-ID SPAN 100)
- SPN-201 Elementary Spanish: Level II** CSU, UC, Cal-GETC (3B),
MC (3)
4.0 Units / 4.0 hours LEC
Credit course for grade or Pass / No Pass
This course will continue the instruction of elementary Spanish language in a cultural context. It is designed to develop listening, speaking, reading, and writing skills to communicate with Spanish speakers. The material is presented within the context of cultures, histories, and peoples of Spanish-speaking societies, including the US. Students will interact with authentic language within a Spanish immersion environment. (C-ID SPAN 110)
Prerequisite: SPN 200, with a minimum grade of C, or two years of high school Spanish
- SPN-202 Intermediate Spanish: Level I** CSU, UC, Cal-GETC (3B),
MC (3)
4.0 Units / 4.0 hours LEC
Credit course for grade or Pass / No Pass
The course will continue the instruction and deepen the understanding, speaking, reading, and writing of Spanish at an intermediate level. Students will advance in their pronunciation, vocabulary, and conversational skills to communicate with Spanish speakers. The material is presented within the context of cultures, histories, and peoples of the Spanish-speaking world, including Latinos in the US. (C-ID SPAN 200)
Prerequisite: SPN 201, with a minimum grade of C, or three years of high school Spanish

SPN-203 Intermediate Spanish: Level II**4.0 Units / 4.0 hours LEC***Credit course for grade or Pass/No Pass*

This course will continue the development of Spanish language skills at an intermediate level, including listening comprehension, speaking, reading, and writing. Students will advance in their pronunciation, vocabulary, and conversational skills to communicate with Spanish speakers. The material is presented within the context of cultures, histories, and peoples of the Spanish-speaking world, including Latinos in the US. (C-ID SPAN 210)

Prerequisite: SPN 202, with a minimum grade of C, or four years of high school Spanish

CSU, UC, Cal-GETC (3B),
MC (3)

SPN-210 Spanish for Spanish Speakers: Level I**4.0 Units / 4.0 hours LEC***Credit course for grade or Pass/No Pass*

This course will assist in the development and advancement of oral and written Spanish for the Spanish Speaker or other linguistically qualified students. It provides instruction that builds upon the existing reading, writing, speaking and listening skills and the cultural heritage and knowledge of students. The course develops awareness of linguistic registers, and appreciation for Latino cultures as manifested in Spanish speaking countries and in the United States.

This course is conducted entirely in Spanish. (C-ID SPAN 220)

Prerequisite: SPN 201 with a minimum grade of C

CSU, UC, Cal-GETC (3B),
MC (3)

SPN-211 Spanish for Spanish Speakers: Level II**4.0 Units / 4.0 hours LEC***Credit course for grade or Pass/No Pass*

This course will continue to provide instruction for the advancement of oral and written Spanish for the Spanish speaker, by expanding the literacy skills acquired in Spanish 210. The course will continue working on linguistic registers, literature devices, and expand upon the appreciation for Hispanic Cultures and literatures as manifested in the Spanish speaking countries and Latinos in the United States. This course is entirely conducted in Spanish. (C-ID SPAN 230)

Prerequisite: SPN 210 with a minimum grade of C

CSU, UC, Cal-GETC (3B),
MC (3)

SPN-212 Spanish Language and Culture through Cinema**4.0 Units / 4.0 hours LEC***Credit course for grade or Pass/No Pass*

This course will introduce seminal works by Latin American, Spanish, and US Latino filmmakers. It explores Spanish-language and culture through a variety of films for the purpose of critique and analysis as a way to develop oral skills and advanced academic writing. Selected writings are thematically paired with films as tools to advance written expression in a variety of genres.

Prerequisite: SPN 203 or SPN 210 with a minimum grade of C

CSU, UC, Cal-GETC (3B),
MC (3, Studies in Culture)

SPN-500 Conversational Spanish for Older Adults: Level I**0.0 Units / 2.0 hours LEC***Noncredit course*

This course will be a beginning-level class for older adults to develop verbal skills in Spanish and their ability to communicate with Spanish speakers. Students will practice mental acuity while they develop language skills through vocabulary acquisition, structural practice, and guided conversation. The course utilizes a practical conversational approach to learning a language, providing older adults an opportunity to recall, organize, and share information as well as use the imagination. This approach will guide older adults to communicate about life experiences, referencing activities older adults may be interested in such as community, volunteering, and travel. Course may not meet major requirements at transfer institutions. See your counselor for more information.

Course exempt from repeat provisions

SPN-501 Conversational Spanish for Older Adults: Level II**0.0 Units / 2.0 hours LEC***Noncredit course*

This course will continue older adults' development of practical language skills with an emphasis on speaking and listening. The course utilizes a practical conversational approach to learning a language and to communicate with Spanish speakers. This approach aims to support older adults in practicing mental acuity by providing an opportunity to recall, organize, and share information through vocabulary development and verb practice. Course may not meet major requirements at transfer institutions. See your counselor for more information.

Recommended Preparation: SPN 500 or SPN 100

Course exempt from repeat provisions

COURSES

SPN-502 Conversational Spanish for Older Adults: Level III

0.0 Units / 2.0 hours LEC

Noncredit course

This course will continue older adults' development of practical language skills with an emphasis on speaking and listening. Mastery of the language is greatly enhanced through vocabulary and practical usage. The course utilizes a practical conversational approach to learning a language for older adults. Course may not meet major requirements at transfer institutions. See your counselor for more information.

Recommended Preparation: SPN 501 or SPN 101

Course exempt from repeat provisions

SPN-550 Elementary Spanish for Older Adults: Level I

0.0 Units / 4.0 hours LEC

Noncredit course

This course will foster the acquisition of elementary Spanish language for older adults within a cultural context. It is designed for older adults to develop listening, speaking, reading, and writing skills to communicate with Spanish speakers. The material is presented within the context of cultures, histories, and peoples of Spanish-speaking societies, including the US. Students will interact with authentic language within a Spanish immersion environment. This approach will guide older adults to communicate about life experiences, referencing activities students may be interested in such as community, volunteering, and travel.

Course exempt from repeat provisions

SPN-551 Elementary Spanish for Older Adults: Level II

0.0 Units / 4.0 hours LEC

Noncredit course

This course will continue the instruction of elementary Spanish language in a cultural context, fostering the acquisition of elementary Spanish language for older adults. It is designed for older adults to develop listening, speaking, reading, and writing skills to communicate with Spanish speakers. The material is presented within the context of cultures, histories, and peoples of Spanish-speaking societies, including the US. Students will interact with authentic language within a Spanish immersion environment. This approach will guide older adults to communicate about life experiences, referencing activities students may be interested in such as community, volunteering, and travel.

Recommended Preparation: SPN 550 or two years of high school Spanish

Course exempt from repeat provisions

STATISTICS

STAT-32 Just in Time Support for Statistics

2.0 Units / 2.0 hours LEC

Credit course for Pass / No Pass only

This course will provide a just in time review of core prerequisite skills, competencies, and concepts needed for success in Statistics and is intended for students who are concurrently enrolled in STAT C1000 - Introduction to Statistics. Topics include computational skills traditionally developed in pre-algebra and algebra courses, and descriptive statistics that are needed to understand the basics of college-level statistics. This course is intended for students with little or no recent knowledge of algebra.

Corequisite: STAT C1000

STAT-C1000 Introduction to Statistics

4.0 Units / 4.0 hours LEC

Credit course for letter grade only

CSU, UC, Cal-GETC (2),
MC (2)

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. Students who place into STAT C1000 with required corequisite may enroll in STAT C1000 if they concurrently enroll in STAT 32 or STAT 532.

Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra.

STAT-532 Just in Time Support for Statistics*0.0 Units / 2.0 hours LEC**Noncredit course*

This course will provide a just in time review of core prerequisite skills, competencies, and concepts needed for success in Statistics and is intended for students who are concurrently enrolled in STAT C1000 – Introduction to Statistics. Topics included computational skills traditionally developed in pre-algebra and algebra courses, and descriptive statistics that are needed to understand the basics of college-level statistics. This course is intended for students with little or no recent knowledge of algebra.

*Corequisite: STAT C1000**Course exempt from repeat provisions***SUSTAINABLE CONSTRUCTION AND ENERGY TECHNOLOGY****SCT-162 Safety Standards for Construction**

CSU

*1.0 Units / 1.0 hours LEC**Credit course for grade or Pass/No Pass*

This course will introduce students to important construction job site and workplace safety considerations, practices, and trade-related safety procedures. This course includes lecture and hands-on activities. This course provides curriculum to prepare students for the OSHA 10 Construction Training Certification card.

SCT-164 Construction Documents I: Understanding Blueprints

CSU

*3.0 Units / 2.0 hours LEC; 3.0 hours LAB**Credit course for grade or Pass/No Pass*

This course will cover the analysis and interpretation of blueprints, diagrams and schematics as generally used in construction, electrical, plumbing, HVAC, fabrication and related fields. Students are introduced to the importance and various uses of prints, diagrams and schematics, proper handling of documents on the job, common symbols, methods of interpretation, and checking for accuracy and completeness. This course includes review and application of basic math concepts needed for interpretation and extrapolation. This course provides beginning instruction in computer aided design and drafting, CADD.

SCT-166 Introduction to Construction Management

CSU

*2.0 Units / 2.0 hours LEC**Credit course for grade or Pass/No Pass*

This course will introduce students to the processes and practices of construction project management. The course is designed to give construction workers, owner/builders and facility managers an introduction to managing projects.

SCT-180A Construction Fundamentals and Green Building

CSU

*3.0 Units / 1.5 hours LEC; 4.5 hours LAB**Credit course for grade or Pass/No Pass*

This course will introduce students to the fundamentals of residential construction and remodeling. Students learn the basic concepts and skills needed to prepare for entry-level employment in the construction industry. This course includes instruction and practice in the application of basic math skills for construction and the safe use of construction power tools. Students are introduced to green building concepts, techniques, and materials as they relate to new code requirements and employment opportunities.

SCT-180B Advanced Construction Fundamentals

CSU

*3.0 Units / 1.5 hours LEC; 4.5 hours LAB**Credit course for grade or Pass/No Pass*

This course will provide the advanced beginning student with continued training in the fundamentals of residential construction and remodeling. Students continue to learn the basic concepts and skills needed to prepare for entry-level employment in the construction industry. This course includes instruction and practice in the application of basic math skills for construction and the safe use of construction power and hand tools. Students will continue to learn about construction practices and skills, and work independently on projects using skills covered in Construction Fundamentals and Green Building A.

Prerequisite: SCT 180A with a minimum grade of C.

COURSES

SCT-182 Residential Remodel and Repair

3.0 Units / 1.5 hours LEC; 4.5 hours LAB

CSU

Credit course for grade or Pass/No Pass

This course will introduce students to the techniques, materials, technology, and tools necessary to maintain, remodel, repair, or renovate existing residential buildings. Green processes and materials are highlighted. Students gain hands-on experience with common maintenance, repair, and remodel tasks and learn about business opportunities and customer service strategies.

SCT-186 Introduction to Residential Electrical Systems

3.0 Units / 1.5 hours LEC; 4.5 hours LAB

CSU

Credit course for grade or Pass/No Pass

This course introduces students to the fundamentals of electricity as applied in residential construction and renovation. Students are introduced to the general principles of electricity, job site considerations, and safety practices. Proper use of tools and materials will be demonstrated and applied in a lab setting. This course includes an introduction to the National Electric Code (NEC), content on energy efficiency, and prepares students for employment and certification options.

SCT-190A Introduction to Photovoltaics (Solar)

CSU

3.0 Units / 2.0 hours LEC; 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will introduce students to the fundamentals of photovoltaic (solar) technology and the process of residential PV system design and installation. This course includes instruction and practice in site evaluation, basic financial analysis, and code compliant PV system design and installation. Students learn basic concepts and skills needed to work with potential clients and prepare for entry-level employment in the solar PV industry.

SCT-190B Advanced Photovoltaics

CSU

3.0 Units / 2.0 hours LEC; 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will introduce students to advanced methods of photovoltaic (solar) technology and the process of residential PV system design and installation. This course includes instruction and practice in site evaluation, basic financial analysis, and code compliant PV system design and installation. Students learn advanced concepts and skills needed to work with potential clients and prepare for entry and mid-level employment in the solar PV industry.

Prerequisite: SCT 190 with a minimum grade of C

SCT-193 Building Performance and Weatherization

CSU

3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass/No Pass

This course will introduce students to the elements of residential design and construction that relate to energy efficiency, heating and cooling, air quality, and ventilation. Students learn how building performance is determined, gain hands-on experience using testing and monitoring equipment to assess a structure, and learn how to perform common efficiency upgrades. This course includes an introduction to the Home Rating System (HERS) and an overview of career and certification options.

SCT-194 Efficient Heating and Cooling

CSU

3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass/No Pass

This course will integrate energy efficiency and building performance principles with entry level HVAC knowledge and skill advancement. Students use an understanding of efficiency and performance principles to guide in the proper sizing, system design, and installation of typical residential heating and cooling technology. Students learn how to determine proper heat load and cooling load calculations using typical manual J methods, how to install, run ducts, wire, and program typical HVAC equipment. This course includes an overview of HVAC career opportunities and certification options.

SCT-200 Sustainability Overview

CSU, UC, Cal-GETC (4),

3.0 Units / 3.0 hours LEC

MC (4)

Credit course for grade or Pass/No Pass

This course will introduce students to the concepts and principles that define Sustainability in current political, scientific and economic discourse. Through examination of the current state of the world students develop sustainability literacy in relation to environmental, social, and economic systems. Students are introduced to current and evolving responses to sustainability challenges and learn to assess potential viability and impact of these responses. An emphasis is placed on preparing students to take an active role in addressing sustainability challenges personally and professionally. Student projects help students integrate sustainability strategies into their own lives.

SCT-500 Introduction to the Construction Trades**0.0 Units / 2.5 hours LEC****Noncredit course for Pass / No Pass or Satisfactory Progress**

The course will review the entire building process, introducing each trade for each of the building steps in a construction project. Students will be introduced to skills and tools required in fundamental trades such as project estimation, masonry carpentry, plumbing, and electric work, and will participate in hands-on demonstrations of these skills.

*Course exempt from repeat provisions***SCT-505 Introduction to the Construction Trades Lab****0.0 Units / 2.5 hours LAB****Noncredit course for Pass / No Pass or Satisfactory Progress**

This course will provide an opportunity for students to participate in hands-on practice of building trades skills, which may include operating power tools, framing walls, floors and roofs, basic plumbing and electrical exercises, masonry, and other related trade skills. This course may include field trips to work sites and participation in building projects.

*Course exempt from repeat provisions***SCT-515 Fork and Scissor Lift Basics****0.0 Units / 0.25 hours LEC; 0.25 hours LAB****Noncredit course for Pass / No Pass or Satisfactory Progress**

This course will introduce students to power lift equipment common on construction sites, and provide training in their safe operation, including powered industrial trucks (forklifts) and scissor lifts, and other heavy equipment. Students will participate in demonstrations of equipment use, and receive certificates of course completion after successfully completing the course.

*Course exempt from repeat provisions***SCT-540 Construction Math A****0.0 Units / 1.0 hours LEC****Noncredit course for Pass / No Pass or Satisfactory Progress**

This course will introduce students to the computational skills needed in construction. Topics include measurement, number sense, estimation, basic statistics, trigonometric functions, and algebraic thinking.

*Course exempt from repeat provisions***SCT-541 Construction Math B****0.0 Units / 1.0 hours LEC****Noncredit course for Pass / No Pass or Satisfactory Progress**

This course will introduce students to the computational skills needed in construction. Topics include geometry, measurement, number sense, estimation, basic statistics, trigonometric functions, and algebraic thinking.

*Prerequisite: SCT 540**Course exempt from repeat provisions***SCT-562 Safety Standards for Construction****0.0 Units / 1.0 hours LEC****Noncredit course for Pass / No Pass or Satisfactory Progress**

This course will introduce students to important construction job site and workplace safety considerations, practices, and trade-related safety procedures. This course includes lecture and hands-on activities as well as providing curriculum to prepare students for the OSHA 10 Construction Training Certification card, which will be issued upon successful completing of the course.

Course exempt from repeat provisions

THEATRE ARTS

Course Families

Course families are groups of active participatory courses that are related in content. Students are limited to no more than four attempts (grade or 'W') within each family group.

DANCE FAMILIES

Ballet: THE 242A, THE 242B, THE 242C, THE 242D

Contemporary Dance: THE 230A, THE 230B, THE 230C, THE 230D

Dance Composition: THE 250A, THE 250B, THE 250C, THE 250D

Dance Performance and Repertory: THE 265A, THE 265B, THE 265C, THE 265D

Dance – World Dance Forms: THE 223, THE 227A, THE 227B, THE 244A, THE 244B, THE 247A

Jazz: THE 238E, THE 238F, THE 238G, THE 238H

Pilates: THE 228A, THE 228B, THE 228C, THE 228D

Tap: THE 234A, THE 234B

Yoga: THE 236A, THE 236B

THEATRE FAMILIES

Acting Performance: THE 220A, THE 220B, THE 220C, THE 220D

Physical Theatre: THE 214A, THE 214B, THE 214C

Playwriting and Development: THE 105A, THE 105B, THE 105C, THE 105D

Musical Theatre: THE 233, THE 260, THE 262, THE 268

Specialty and Support: THE 160, THE 212A, THE 212B, THE 212C

Studio Acting: THE 210A, THE 210B, THE 210C, THE 210D

Technical Performance: THE 225A, THE 225B, THE 225C, THE 225D

Technical Production: THE 208A, THE 208B, THE 216A, THE 216B

Theatrical Design: THE 217D, THE 235

Theatrical Textile: THE 217A, THE 217B, THE 217C

THE-105A Narrative Theatre

CSU

3.0 Units / 2.5 hours LEC; 1.5 hours LAB

Credit course for grade or Pass/No Pass

This course will provide an opportunity for students to develop an original ensemble theatre production based on an established theme. Material may be drawn from original writing, personal stories, community-based interviews, or historical research. The focus will be on the development of ensemble performance skills, techniques for creating original performance material, and the role of theatre as community story telling. Students will learn to utilize theatre to reflect upon political, social, and cultural dynamics of a particular community; listen across cultural divides; and/or to give voice to personal stories. Topics will include the history, principles, and theatrical techniques of community-based and ensemble theatre.

THE-105B Play Development I

CSU

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will provide an opportunity for playwrights, directors and actors to collaborate on the development of new plays. Through a workshop process, actors and directors will support playwrights in the revision and development of their work, culminating in a public presentation.

Prerequisite: A successful audition and/or interview is required for entry into course.

THE-105C Play Development II

CSU

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will provide an opportunity for intermediate level playwrights, directors and actors to practice intermediate level collaborative techniques for the development of new plays.

Prerequisite: THE 105B, with a minimum grade of C, an audition and/or interview is required.

THE-105D Play Development III

CSU

1.0 Units / 3.0 hours LAB

Credit course for grade or Pass/No Pass

This course will provide opportunity for experienced playwrights, directors and actors to practice more challenging collaborative techniques for the development of new plays. Actor roles, directorial script assignments and playwrights' topics / themes will reflect the more advanced level of this course.

Prerequisite: THE 105C, with a minimum grade of C, and a successful audition/interview

THE-160 Audition Techniques

CSU

1.0 Units / 3.0 hours LAB**Credit course for grade or Pass/No Pass**

This course will help students prepare for professional, community and academic theatre auditions. This class is recommended especially for students planning to transfer to professional acting conservatories and/or baccalaureate acting programs. Each student develops a repertoire of classical and contemporary comic and serious audition pieces. Practice in cold readings is also provided. Introduction to career preparation topics such as resumes, union agents, and employment opportunities is also included.

Recommended Preparation: ENGL C1000 and THE 210B

THE-199 Independent Study

CSU

0.5 - 4.0 Units / 1.5 - 12.0 hours LAB**Credit course for grade or Pass/No Pass**

This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.

Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.

THE-200 Introduction to TheatreCSU, UC, Cal-GETC (3A),
MC (3)**3.0 Units / 3.0 hours LEC****Credit course for grade or Pass/No Pass**

This course will introduce students to the principles and purposes of theatre. It will survey Western drama from its origins in ancient Greece through the Medieval, Renaissance, Modern and Contemporary periods. Students will also examine non-Western theatrical styles, multi-cultural approaches and cross-cultural theatrical directions. Students will investigate the creative contributions of playwrights, actors, directors, designers, stage managers, and technicians. Lectures, films, theatre attendance, assigned reading, and practical "hands-on" projects will acquaint students with some of the joys and challenges of creative work in the theatre. (C-ID THTR 111)

THE-201 Introduction to FilmCSU, UC, Cal-GETC (3A),
MC (3)**3.0 Units / 3.0 hours LEC****Credit course for grade or Pass/No Pass**

This course will introduce students to the history and key formal elements of film. It will help students cultivate an appreciation for the contributions made by actors, directors, writers and technicians in the film industry. Through examination of a variety of film styles and periods, students will become more familiar with the history and present day realities of the film industry.

THE-202 Dramatic Literature and Script AnalysisCSU, UC, Cal-GETC (3A),
MC (3)**3.0 Units / 3.0 hours LEC****Credit course for grade or Pass/No Pass**

This course will introduce students to techniques for reading, analyzing and understanding play scripts as literature intended for production. Students will read and discuss a variety of significant culturally diverse dramatic texts, with an emphasis on modern American plays. Students will develop the ability to critically analyze play scripts, exploring such topics as theme, plot, character, dramatic structure, cultural perspective and historical context. Careful attention will be given to the analytical and conceptual viewpoints of the actor, director and designer. (C-ID THTR 114)

THE-204 History and Appreciation of DanceCSU, UC, Cal-GETC (3A),
MC (3)**3.0 Units / 3.0 hours LEC****Credit course for letter grade only**

This course will introduce students to the history of Western theatrical dance, from early pre-Christian civilizations to the present. The course will trace the history and evolution of ballet, from early court dance in Renaissance Europe through the flowering of ballet and other forms of theatrical dance, such as modern and jazz, which emerged at the turn of the 20th century. The course will explore how dance influences and is influenced by the social and political culture at various times in history. By examining key events in dance history and the art of dance, students will learn to appreciate dance as a powerful form of human expression throughout human history.

Recommended Preparation: ENGL C1000

COURSES

- THE-206 Dance in World Cultures** CSU, UC, Cal-GETC (3A),
3.0 Units / 3.0 hours LEC MC (3, Culture)
Credit course for grade or Pass / No Pass
This course will explore dance around the world and how it interacts with customs and beliefs within specific cultural groups. The course explores dance as an expression of religious worship, social order, power, cultural mores, as a theatrical art form, and as an emblem of cultural identity.
Recommended Preparation: ENGL C1000
- THE-208A Stagecraft I** CSU, UC
3.0 Units / 2.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass / No Pass
This course will introduce students to technical aspects of theatre production (including set construction, painting, rigging and shifting, basic lighting, properties construction, and stage management). Lab activities will relate to the college play in production. (C-ID THTR 171)
- THE-208B Stagecraft II** CSU, UC
3.0 Units / 2.0 hours LEC; 3.0 hours LAB
Credit course for letter grade only
This course will explore advanced technical theatre production techniques in areas of scenery, props, scenic painting, rigging and stage management, through individual projects and participation in major productions and group projects.
Prerequisite: THE 208A with a minimum grade of C
- THE-210A Acting Improvisation** CSU, UC
3.0 Units / 2.5 hours LEC; 1.5 hours LAB
Credit course for grade or Pass / No Pass
This class will function as an improv ensemble, creating improvised theatre that is spontaneous, energetic and engaging. Fundamental acting techniques such as commitment, spontaneity and concentration will be addressed through exercises and performance. Most importantly, the course strives to create an environment of creative risk taking in which each student's full imagination may flourish. No previous theatre experience or preparation required.
- THE-210B Beginning Acting** CSU, UC,
3.0 Units / 2.5 hours LEC; 1.5 hours LAB MC (3)
Credit course for grade or Pass / No Pass
This course will introduce students to fundamental acting techniques and terminology. While the class is challenging and useful for students with varying levels of experience, no prior work in theatre is required. Through exercises, scene work, and improvisation, students will develop their ability to "live truthfully under imaginary circumstances." The course focuses on Stanislavky's technique of realistic action (objectives) for characterization and script analysis. The class will explore fundamental acting skills, such as: relaxation, concentration, listening and spontaneity. The course culminates in a public performance of student scenes. (C-ID THTR 151)
Recommended Preparation: ENGL C1000
- THE-210C Intermediate Acting: Scene Study** CSU, UC
3.0 Units / 2.5 hours LEC; 1.5 hours LAB
Credit course for grade or Pass / No Pass
This course will continue to develop fundamental acting techniques and terminology, with an increased emphasis on physicalization, ensemble techniques and personalization of given circumstances. The course culminates in a public performance of a group project. (C-ID THTR 152)
Prerequisite: THE 210B with a minimum grade of C
Recommended Preparation: ENGL C1000
- THE-210D Acting Styles** CSU, UC,
3.0 Units / 2.5 hours LEC; 1.5 hours LAB MC (3)
Credit course for grade or Pass / No Pass.
The course will explore the special demands of non-realistic and poetic drama. Students will rehearse and perform a variety of contemporary and classical scenes, including the works of Shakespeare, Moliere and the Greek tragedians. Special topics such as improvisation, vocal production, physicalization, commedia del arte, stage combat, and audition techniques may also be included as they relate to the material being studied. (C-ID THTR 152)
Prerequisite: THE 210B with a minimum grade of C

THE-212A The Actor's Voice I

CSU, UC

1.0 Units / 3.0 hours LAB*Credit course for grade or Pass/No Pass*

This course will introduce students to effective techniques for vocal production for the stage. Students will develop the basic skills of relaxation, breath, resonance and articulation. Students will combine ongoing physical and vocal exercises with practical applications through rehearsal and performance of dramatic material.

THE-212B The Actor's Voice II

CSU, UC

1.0 Units / 3.0 hours LAB*Credit course for grade or Pass/No Pass*

This course will expand upon the techniques developed in The Actor's Voice I. Students will deepen their proficiency in the skills of relaxation, breath, resonance and articulation while additionally investigating various approaches and theories of voice production, developing a personal warm-up and learning the fundamentals of the International Phonetic Alphabet.

Prerequisite: THE 212A with a minimum grade of C

THE-212C The Actor's Voice III

CSU, UC

1.0 Units / 3.0 hours LAB*Credit course for grade or Pass/No Pass*

This course will expand upon the skills developed in The Actor's Voice II. Students will attain mastery and consistency in the fundamental skills of relaxation, breath, resonance and articulation. Additionally, students in this class will perform dramatic material utilizing dialect and apply vocal techniques to classic and period texts.

Prerequisite: THE 212B with a minimum grade of C

THE-214A Physical Theatre I

CSU, UC

1.0 Units / 3.0 hours LAB*Credit course for grade or Pass/No Pass*

This course will explore the fundamentals of movement & physical techniques for actors. Topics covered will include foundational work of relaxation and presence onstage, flexibility and expressiveness of movement, and varieties and qualities of gesture.

THE-214B Physical Theatre II

CSU, UC

1.0 Units / 3.0 hours LAB*Credit course for grade or Pass/No Pass*

The course will build upon the fundamentals of movement and physical techniques for actors addressed in Physical Theatre I. Topics covered will continued work on relaxation and presence, flexibility, expressiveness of movement, and varieties and qualities of gesture. It will also introduce physical techniques for the creation of character and storytelling.

Prerequisite: THE 214A with a minimum grade of C

THE-214C Physical Theatre III

CSU, UC

1.0 Units / 3.0 hours LAB*Credit course for grade or Pass/No Pass*

The course will build upon the physical and movement techniques for actors addressed in Physical Theatre I and Physical Theatre II. Topics covered will include more advanced explorations of relaxation and presence, flexibility, expressiveness of movement, and varieties and qualities of gesture, as well as physical techniques for the creation of character and storytelling. This third-level class will also introduce practice in clowning and approaches to period movement and style. The class will culminate with ensemble creation of a devised physical theatre project.

Prerequisite: THE 214B with a minimum grade of C

THE-216A Stage Lighting I

CSU, UC

3.0 Units / 2.0 hours LEC; 3.0 hours LAB*Credit course for grade or Pass/No Pass*

This course will introduce students to basic concepts of stage lighting, including planning, rigging and operation of lighting systems. Students will become familiar with optics, equipment, electricity and color. Basic lighting design concepts will also be introduced. (C-ID THTR 173)

COURSES

- THE-216B Stage Lighting II** CSU, UC
3.0 Units / 2.0 hours LEC; 3.0 hours LAB
Credit course for letter grade only
This course will explore advanced lighting techniques for theatre, dance and music, through individual projects and participation in major productions and group projects. (C-ID THTR 173)
Prerequisite: THE 216A with a minimum grade of C
- THE-217A Costume Construction I** CSU, UC
3.0 Units / 2.5 hours LEC; 1.5 hours LAB
Credit course for grade or Pass / No Pass
This course will introduce students to the crafts of building and coordinating theatrical costumes. Techniques of basic pattern drafting, cutting and fitting will be applied through practical work on the theatre department's current production. Basic elements of costume design, including period history and style, color choices, and characterization are discussed as they relate to the play under construction. (C-ID THTR 174)
- THE-217B Costume Construction II** CSU, UC
3.0 Units / 2.5 hours LEC; 1.5 hours LAB
Credit course for grade or Pass / No Pass
This course will enable students to further develop skills for building and coordinating theatrical costumes. Students will apply intermediate level techniques for pattern drafting, cutting and fitting through practical work on the theatre department's current production. Elements of costume design, including period style, color choices, and characterization will be discussed as they relate to the play under construction.
Prerequisite: THE 217A with a minimum grade of C
- THE-217C Costume Construction III** CSU, UC
3.0 Units / 2.5 hours LEC; 1.5 hours LAB
Credit course for grade or Pass / No Pass
This course will provide an opportunity for advanced students to explore specialty arts and crafts of theatrical costuming. Advanced level costuming techniques, are applied through practical work on the theatre department's current production as well as through individually designed student projects.
Prerequisite: THE 217B with a minimum grade of C
- THE-217D Introduction to Costume Design** CSU, UC
3.0 Units / 2.5 hours LEC; 1.5 hours LAB
Credit course for grade or Pass / No Pass
This course will introduce students to fundamental theories and practices of costume design for theatre. Topics covered will include: script analysis, period research, conceptualization, rendering and effective collaboration. Students will complete individual design projects in addition to assignments supporting the department's current productions.
Prerequisite: THE 217C with a minimum grade of C
Limitation on Enrollment: A successful interview is required for placement in this course.
- THE-219 Introduction to Directing** CSU, UC
3.0 Units / 3.0 hours LEC
Credit course for grade or Pass / No Pass
This class will introduce fundamental principles of directing. Students will study and practice the directorial process including research, script analysis, conceptualization, casting and rehearsal techniques.
Corequisite: THE 225A, THE 225B, THE 225C, THE 225D, THE 105B, THE 105C, or THE 105D
Recommended Preparation: THE 202 and THE 210B
- THE-220A Acting Performance I** CSU, UC,
MC (3)
3.0 Units / 9.0 hours LAB
Credit course for grade or Pass / No Pass
This course will provide an opportunity for students to participate in a college production as a performing ensemble member of the cast. Students will develop fundamental rehearsal and performance techniques. All actors are required to audition for roles. (C-ID THTR 191)
Limitation on Enrollment: A successful audition is required.

THE-220B Acting Performance II

CSU, UC

3.0 Units / 9.0 hours LAB***Credit course for grade or Pass/No Pass***

This course will enable students to participate in a college production as a principal performing member of the cast. Students will investigate increasingly sophisticated ensemble and performance techniques as well as develop more advanced approaches to script analysis and characterization. A successful audition is required.

Prerequisite: THE 220A with a minimum grade of C

Limitation on Enrollment: A successful audition is required.

THE-220C Acting Performance III

CSU, UC

3.0 Units / 9.0 hours LAB***Credit course for grade or Pass/No Pass***

This course will allow students to perform in a college production in a demanding principal role. Students will apply increasingly advanced rehearsal and performance techniques to the study of characters of great complexity and depth. A successful audition is required.

Prerequisite: THE 220B with a minimum grade of C

Limitation on Enrollment: A successful audition is required.

THE-220D Acting Performance IV

CSU, UC

3.0 Units / 9.0 hours LAB***Credit course for grade or Pass/No Pass***

This course will provide an opportunity for student actors to explore specific stylistic performance challenges, such as poetic text, operatic or musical roles, non-realistic performance styles, circus skills, mask work and others. Students will apply these advanced performance techniques as a principal actor in an appropriate college production. A successful audition is required.

Prerequisite: THE 220C with a minimum grade of C

Limitation on Enrollment: A successful audition is required.

THE-223 Salsa Rueda

CSU, UC

1.0 Units / 0.5 hours LEC; 1.5 hours LAB***Credit course for grade or Pass/No Pass***

This course will introduce students to Cuban style Salsa, which is danced in a circle. The leader calls different moves and the group simultaneously changes steps based on these calls. This class is for dancers of all levels with or without Salsa experience. No partner is necessary.

THE-224 Introduction to Playwriting

CSU, UC

3.0 Units / 3.0 hours LEC***Credit course for grade or Pass/No Pass***

This course will allow both beginning and experienced writers to explore the art of playwriting in a supportive, inquisitive environment. Through readings, writing exercises, and continual revision of our works-in-progress, we will explore how plays evolve from fledgling ideas to stage-ready scripts.

THE-225A Production Crew I

CSU, UC

1.0 - 2.0 Units / 3.0 - 6.0 hours LAB***Credit course for grade or Pass/No Pass***

This course will provide an opportunity for students to participate in a college production as a member of the technical crew. Students will focus on one or more of the following areas during the development of the play: scenery building and painting, stage lighting, make-up, costuming, stage operations, publicity, and/or house management. (C-ID THTR 192)

Limitation on Enrollment: Instructor approval required.

THE-225B Production Crew II

CSU, UC

1.0 - 2.0 Units / 3.0 - 6.0 hours LAB***Credit course for grade or Pass/No Pass***

This course will provide an opportunity for students to participate in a college production as a member of the technical crew or production staff at an intermediate level of responsibility. Students will focus on one or more of the following areas during the development of the play: scenery building and painting, stage lighting, make-up, costuming, stage operations, publicity, and/or house management. (C-ID THTR 192)

Prerequisite: THE 225A with a minimum grade of C

Limitation on Enrollment: Instructor approval required.

COURSES

- THE-225C Production Crew III** CSU, UC
1.0 - 2.0 Units / 3.0 - 6.0 hours LAB
Credit course for grade or Pass/No Pass
This course will provide an opportunity for intermediate students to participate at a leadership level as members of the production crew of a college production. Students will focus on one or more of the following areas during the development of the play: scenery building and painting, stage lighting, make-up, costuming, stage operations, theatrical design, stage management, publicity, and/or house management. (C-ID THTR 192)
Prerequisite: THE 225B with a minimum grade of C
Limitation on Enrollment: Instructor approval required.
- THE-225D Production Crew IV** CSU, UC
1.0 - 2.0 Units / 3.0 - 6.0 hours LAB
Credit course for grade or Pass/No Pass
This course will provide an opportunity for advanced technical production students to participate at a leadership level as members of the production crew, technical staff or design team of a college production. Students will focus on one or more of the following areas during the development of the play: scenery, lighting, make-up, costuming, stage operations, stage management, publicity, and/or house management.
Prerequisite: THE 225C with a minimum grade of C
Limitation on Enrollment: Instructor approval required.
- THE-227A Hip Hop Dance: Beginning** CSU, UC
0.5 - 1.0 Units / 1.5 - 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will introduce students to the basic movements of Hip Hop dance with an emphasis on conditioning, simple rhythmic identification and basic technique.
- THE-227B Hip Hop Dance: Intermediate** CSU, UC
0.5 - 1.0 Units / 1.5 - 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will provide training in intermediate level Hip Hop dance technique with an emphasis on form, style and performance.
- THE-228A Conditioning for Dance: Pilates Mat I** CSU, UC
0.5 - 1.0 Units / 1.5 - 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will provide instruction in beginning Pilates mat work for improved movement memory, balance, body alignment, strength, flexibility, control, coordination, breathing and overall somatic awareness. Exercises will focus on beginning level exercises and modifications appropriate for beginning students.
- THE-228B Conditioning for Dance: Pilates Mat II** CSU, UC
0.5 - 1.0 Units / 1.5 - 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will provide instruction in intermediate Pilates mat work, building upon the techniques developed in Pilates Mat I. This second-level course will emphasize exercises for improved movement memory, balance, body alignment, strength, flexibility, control, coordination, breathing and deepening work in overall somatic awareness.
Prerequisite: THE 228A with a minimum grade of C
- THE-228C Conditioning for Dance: Pilates Mat III** CSU, UC
0.5 - 1.0 Units / 1.5 - 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will provide instruction in advanced-intermediate level Pilates mat work emphasizing exercises for improved movement memory, balance, body alignment, strength, flexibility, control, coordination and breathing. Somatic awareness and the connection of Pilates training to performance as a dancer or actor will be integrated into the work on both a theoretical and a practical level.
Prerequisite: THE 228B with a minimum grade of C

THE-228D Conditioning for Dance: Pilates Mat IV

CSU, UC

*0.5 - 1.0 Units / 1.5 - 3.0 hours LAB**Credit course for grade or Pass / No Pass*

This course will provide instruction in advanced level Pilates mat work emphasizing exercises improved movement memory, balance, body alignment, strength, flexibility, control, coordination and breathing. Somatic awareness and the connection of Pilates training to the student's work as dancers, singers and/or actors will be integrated into all class work on both theoretical and practical levels.

Prerequisite: THE 228C with a minimum grade of C

THE-230A Contemporary Dance: Beginning

CSU, UC

*2.0 Units / 1.0 hours LEC; 3.0 hours LAB**Credit course for grade or Pass / No Pass*

This course will provide the beginning student with training in a variety of contemporary dance techniques that will increase body awareness, strength, flexibility, control and coordination. The history of contemporary dance from its beginnings through the 1950's will be covered, focusing on key pioneers and how they helped shape dance in America in its formative years. Students will also explore dance as recreation, a social activity, a form of spiritual expression and as a theatrical art form.

THE-230B Contemporary Dance: Advanced Beginning

CSU, UC

*2.0 Units / 1.0 hours LEC; 3.0 hours LAB**Credit course for grade or Pass / No Pass*

This course will provide the advanced beginning student with continued training in a variety of contemporary dance techniques that will increase awareness, strength, flexibility, control and coordination. The history of contemporary dance from the 1960's to the present will be covered, focusing on key innovators of the time. Students will also explore how contemporary dance mirrors our society and societies around the world. Basic anatomy, as it pertains to dance, will be studied in the context of safe movement practices.

THE-230C Contemporary Dance: Intermediate

CSU, UC

*2.0 Units / 1.0 hours LEC; 3.0 hours LAB**Credit course for grade or Pass / No Pass*

This course will provide training in intermediate level skills in contemporary dance technique, with greater emphasis on the creative process and further development of the body as an instrument of communication. An introduction to dance composition and dance criticism are included in this course.

Recommended Preparation: THE 230A and/or THE 230B

THE-230D Contemporary Dance: Advanced Intermediate

CSU, UC

*2.0 Units / 1.0 hours LEC; 3.0 hours LAB**Credit course for grade or Pass / No Pass*

This course will provide the advanced intermediate student with continued training in contemporary dance technique. Students will continue their exploration of the choreographic process including the fundamentals of music and the concept of musicality in dance performance.

Recommended Preparation: THE 230C

THE-232 History of American Musical TheatreCSU, UC, Cal-GETC (3A, 3B),
MC (3)*3.0 Units / 3.0 hours LEC**Credit course for grade or Pass / No Pass*

This course will explore the history of American musical theatre from its roots in vaudeville, burlesque, minstrel shows, revues, and operetta to shows currently running on Broadway. Major songwriters, performers, producers, choreographers, and directors will be discussed along with the landmark musicals that have shaped American musical theatre. The impact of culture on musical theatre will include discussions of emerging technologies, changing patterns of immigration, economic cycles, wars, and human rights.

THE-233 Musical Theatre Acting Workshop

CSU, UC

*3.0 Units / 2.5 hours LEC; 1.5 hours LAB**Credit course for grade or Pass / No Pass*

This course will explore the fundamentals of singing while acting, and acting while singing. Emphasis is placed on expressing character and dramatic content through solo, and small ensemble performance.

COURSES

- THE-234A Tap Dance: Beginning** CSU, UC
1.0 Units / 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will provide training in beginning tap dance technique with an emphasis on basic steps, rhythmic patterns, and style.
- THE-234B Tap Styles and Performance** CSU, UC
1.0 Units / 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will provide instruction in intermediate level tap dance technique with an emphasis on style and performance. Students will learn technique and step patterns of greater complexity, concentrating on speed, time steps and turning combinations.
Prerequisite: THE 234A with a minimum grade of C
- THE-235 Introduction to Scenic Design** CSU, UC
3.0 Units / 3.0 hours LEC
Credit course for grade or Pass/No Pass
This course will provide an introduction to the basic techniques used in scenic design for live performance with emphasis on the art of scenic design through drafting techniques, model making, ground plans, as well as script analysis for the practical application of these skills.
Recommended Preparation: THE 200 and THE 208A
- THE-236A Yoga: Beginning** CSU, UC
1.0 Units / 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will build and maintain balance, flexibility and strength through postures, exercises and breathing techniques. Sequences will provide a methodical way for the student to condition the body and calm the mind.
- THE-236B Yoga: Advanced Beginning** CSU, UC
1.0 Units / 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will build and maintain balance, flexibility and strength through postures, exercises and breathing techniques, at a beginning intermediate level. Sequences will provide a methodical way for the student to continue on conditioning the body and calm the mind.
Prerequisite: THE 236A with a minimum grade of C
- THE-238E Jazz Dance: Beginning** CSU, UC
2.0 Units / 1.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will provide the beginning student with training in a variety of jazz dance techniques that will increase body awareness, strength, flexibility, control and coordination. The history of jazz dance from its beginnings through the 1940's will be covered, focusing on key pioneers, styles and social dance forms that were influential during this time.
- THE-238F Jazz Dance: Advanced Beginning** CSU, UC
2.0 Units / 1.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will provide the advanced beginning student with continued training in a variety of jazz dance techniques that will increase body awareness, strength, flexibility, control and coordination. The history of jazz dance in the 1950's and 60's will be covered, focusing on key pioneers, styles and social dance forms that were influential during this time.
Recommended Preparation: THE 238E
- THE-238G Jazz Dance: Intermediate** CSU, UC
2.0 Units / 1.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass/No Pass
This course will provide training in intermediate level skills in jazz dance technique, with greater emphasis on the creative process and further development of the body as an instrument of expression. The history of jazz dance in the 1970's and 80's will be covered, focusing on key pioneers, styles and social dance forms that were influential during this time. An introduction to dance composition and dance criticism is included in this course.
Recommended Preparation: THE 238F

THE-238H Jazz Dance: Advanced Intermediate**2.0 Units / 1.0 hours LEC; 3.0 hours LAB*****Credit course for grade or Pass/No Pass***

This course will provide the advanced intermediate student with continued training in jazz dance technique. The history of jazz dance in the 1990's through the present will be covered, focusing on key pioneers, styles and social dance forms that were and are influential during this time. Students will continue their exploration of the choreographic process including the fundamentals of music and the concept of musicality in dance performance.

Recommended Preparation: THE 238G

CSU, UC

THE-242A Ballet: Beginning**2.0 Units / 1.0 hours LEC; 3.0 hours LAB*****Credit course for grade or Pass/No Pass***

This course will introduce the beginning student to the fundamentals of ballet technique; basic positions, body placement, barre exercises, and combinations essential to the development of the ballet dancer. The history of ballet, from its beginnings through the Romantic Era, will be covered.

CSU, UC

THE-242B Ballet: Advanced Beginning**2.0 Units / 1.0 hours LEC; 3.0 hours LAB*****Credit course for grade or Pass/No Pass***

This course will provide the advanced beginning student with continued training in ballet technique, emphasizing proper body alignment; increased flexibility and fluidity. The classical period in the history of ballet will be studied focusing on the contributions of Russian ballet innovators in the mid-19th century into the early 20th century.

Recommended Preparation: THE 242A

CSU, UC

THE-242C Ballet: Intermediate**2.0 Units / 1.0 hours LEC; 3.0 hours LAB*****Credit course for grade or Pass/No Pass***

This course will develop intermediate level skills and techniques within the discipline of classical ballet, with continued emphasis on body placement as well as adagio and allegro phrases. Students will be introduced to the basic concepts of dance composition and will explore the history of ballet in the early to the middle part of the 20th century.

Recommended Preparation: THE 242A and/or THE 242B

CSU, UC

THE-242D Ballet: Advanced Intermediate**2.0 Units / 1.0 hours LEC; 3.0 hours LAB*****Credit course for grade or Pass/No Pass***

This class will develop advanced intermediate skills and techniques in ballet with an emphasis on developing physical virtuosity and artistic expression through the execution of classical and contemporary ballet variations. Students will be introduced to the basic concepts of dance critique and will explore the evolution of ballet from the later part of the 20th century to the present.

Recommended Preparation: THE 242C

CSU, UC

THE-244A Mexican Folkloric Dance: Beginning**1.0 - 2.0 Units / 3.0 - 6.0 hours LAB*****Credit course for grade or Pass/No Pass***

This course will introduce students to folk dances from various regions in Mexico. Students will learn various expressive dances covering basic Mexican folk dance technique, movement sequences, body alignment, and choreography.

CSU, UC

THE-244B Mexican Folkloric Dance: Intermediate Technique and Performance**1.0 - 2.0 Units / 3.0 - 6.0 hours LAB*****Credit course for grade or Pass/No Pass***

This course will provide students with the technical skills to perform Ballet Folklorico. Students will learn intermediate level dance techniques and various dances representing a variety of regions from Mexico, as well as body alignment, choreography and costuming techniques.

CSU, UC

THE-247A Social Dance Forms: Beginning**1.0 Units / 3.0 hours LAB*****Credit course for grade or Pass/No Pass***

This course will introduce students to a variety of social dance forms. Students will learn vocabulary and movements for such elementary level partner dances as the waltz, fox-trot, swing, cha-cha, tango, jitterbug and salsa. Historical perspectives of these dance forms will be discussed.

CSU, UC

COURSES

- THE-250A Choreography: Introduction** CSU, UC
2.0 Units / 1.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass / No Pass
This course will introduce students to the basic choreographic theory and practice of dance composition in relation to design, dynamics, rhythm, theme, style, and musicality.
Recommended Preparation: THE 230A
- THE-250B Choreography: Solos** CSU, UC
2.0 Units / 1.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass / No Pass
This course will introduce students to the basic and intermediate choreographic theory and practice of dance composition for a single solo dancer, in relation to design, dynamics, rhythm, theme, style, and musicality.
Prerequisite: THE 250A with a minimum grade of C
Recommended Preparation: THE 230A
- THE-250C Choreography: Groups** CSU, UC
2.0 Units / 1.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass / No Pass
This course will introduce students to the basic and intermediate choreographic theory and practice of dance composition for a group of dancers, in relation to design, dynamics, rhythm, theme, style, and musicality.
Prerequisite: THE 250B with a minimum grade of C
Recommended Preparation: THE 230A
- THE-250D Choreography: Site-Specific and Intermediate** CSU, UC
2.0 Units / 1.0 hours LEC; 3.0 hours LAB
Credit course for grade or Pass / No Pass
This course will introduce students to the basic choreographic theory and practice of dance choreography for site-specific and intermediate compositions in relation to design, dynamics, rhythm, theme, style, and musicality.
Prerequisite: THE 250C with a minimum grade of C
Recommended Preparation: THE 230A
- THE-260 Dance Performance** CSU, UC
1.0 - 3.0 Units / 3.0 - 9.0 hours LAB
Credit course for grade or Pass / No Pass
This course will introduce students to the theory and practice of performing in a dance production. Students will learn performance techniques that will help them obtain confidence and greater skill level as a performing artist.
Recommended Preparation: THE 230A and THE 238E
- THE-262 Dance for Musical Theatre** CSU, UC
1.0 - 3.0 Units / 3.0 - 9.0 hours LAB
Credit course for grade or Pass / No Pass
This course will introduce students to the theory and practice of performing dance in a musical theater production. Students will learn performance techniques that will help them obtain confidence and greater skill as a performing musical theater artist.
- THE-265A Dance Repertory Apprentice I** CSU, UC
1.0 - 3.0 Units / 3.0 - 9.0 hours LAB
Credit course for grade or Pass / No Pass
This course will give students an opportunity to understudy and learn basics of performance. Perform, in a limited way, in a dance performance. Students will gain experience with the audition process; how to prepare for an audition and be successful.
Recommended Preparation: THE 230A
Limitation on Enrollment: Instructor permission required. Retention based on successful audition.

THE-265B Dance Repertory Apprentice II**1.0 - 3.0 Units / 3.0 - 9.0 hours LAB****Credit course for grade or Pass/No Pass**

This course will give students an opportunity to understudy, assist choreographer(s) and learn intricacies of a dance company. Perform, in a limited way, in a dance performance. Students will gain experience with the audition process; how to prepare for a performance and be successful.

*Recommended Preparation: THE 250A**Prerequisite: THE 265A with a minimum grade of C**Limitation on Enrollment: Instructor permission required. Retention based on successful audition.*

CSU, UC

THE-265C Dance Repertory I**1.0 - 3.0 Units / 3.0 - 9.0 hours LAB****Credit course for grade or Pass/No Pass**

This course will give students an opportunity to participate in a dance company, to dance professional choreography and perform dances in a production. Students will learn and engage in the practicalities of how to produce a dance performance.

*Prerequisite: THE 265B with a minimum grade of C**Limitation on Enrollment: Instructor permission required. Retention based on successful audition.*

CSU, UC

THE-265D Dance Repertory II**1.0 - 3.0 Units / 3.0 - 9.0 hours LAB****Credit course for grade or Pass/No Pass**

This course will give students an opportunity to participate in a dance company, to dance professional choreography, assist with choreography and perform advance dances in a production. Students will learn and engage in the practicalities of how to produce a professional dance performance.

*Prerequisite: THE 265C with a minimum grade of C**Limitation on Enrollment: Instructor permission required. Retention based on successful audition.*

CSU, UC

THE-268 Dance Rehearsal**0.5 - 2.0 Units / 1.5 - 6.0 hours LAB****Credit course for grade or Pass/No Pass**

This course will provide students with an opportunity to develop a variety of rehearsal skills in preparation for a dance performance.

CSU, UC

THE-528 Pilates for Older Adults**0.0 Units / 1.5 - 3.0 hours LAB****Noncredit course**

This course will provide instruction in Pilates mat work for improved movement memory, balance, body alignment, strength, flexibility, control, coordination, breathing and overall somatic awareness for older adults. Exercises will focus on mindful exploration of the Pilates method and movement to support the aging body. This class is appropriate for all levels.

*Course exempt from repeat provisions***THE-536 Yoga for Older Adults****0.0 Units / 3.0 hours LAB****Noncredit course**

This course is geared to the older adult and will provide yoga to build and maintain balance, flexibility and strength through postures, exercises and breathing techniques. Sequences will provide a methodical way for the student to support the fragile, aging body through therapeutic yoga and calming the mind. This class is appropriate for all levels and abilities.

*Course exempt from repeat provisions***WELDING****WLD-61 Beginning Welding****3.0 Units / 1.5 hours LEC; 4.5 hours LAB****Credit course for grade or Pass/No Pass**

This course will introduce students to welding technology and terminology as well as begin students on the development of the manual skill necessary to perform shielded metal arc and oxyacetylene welding and cutting in the flat and horizontal positions. All aspects of safety in the welding shop will be emphasized.

COURSES

WLD-62 Intermediate Welding

3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass/No Pass

This course will require students to perform welds in positions other than in the flat position. The content will enhance the ability of the students to perform welds out of position. The course includes welding safety, shielded metal arc welding (SMAW), gas metal arc welding (GMAW), plasma arc cutting (PAC), air carbon arc cutting and gouging (CAC-A) welding and cutting processes. These welds will be performed in the flat, horizontal, vertical, and overhead positions. It will also include base metal, shielded metal arc welding electrodes, joint fit-up and alignment, groove welds with backing, and open V-groove welds. All welds will meet the American Welding Society (AWS) qualification standards.

Recommended Preparation: WLD 61

WLD-65 Beginning Gas Tungsten Arc Welding

3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass/No Pass

This course will cover the technical understanding of Gas Tungsten Arc Welding (GTAW) fundamentals, arc characteristics, and welding safety. Development of the manual skills necessary to make high quality gas tungsten arc welds in all positions on mild steel, stainless steel, and aluminum will be covered.

WLD-70 Beginning Gas Metal Arc Welding

3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass/No Pass

This course will include the technical understanding of Gas Metal Arc Welding (GMAW) fundamentals, arc characteristics and welding safety. Development of the manual skills necessary to make high quality gas metal arc welds in all positions on mild steel will be included.

WLD-71 Advanced Gas Metal Arc Welding

3.0 Units / 1.5 hours LEC; 4.5 hours LAB

Credit course for grade or Pass/No Pass

This course will include a technical understanding of Gas Metal Arc Welding (MIG) fundamentals, using spray and short-circuiting mode. Continued development of the manual skills necessary to make high quality gas metal arc welds in all positions on aluminum, carbon and stainless steel is also covered.

Recommended Preparation: WLD 70 with a minimum grade of C

WLD-199 Independent Study

0.5 - 4.0 Units / 1.5 - 12.0 hours LAB

Credit course for grade or Pass/No Pass

This course will enable students to explore areas of interest independent of the usual instructional setting. Student and instructor agree upon a program of study, research, reading or activity which is individually tailored to the needs and interests of the student and which is outlined in an Independent Study Proposal. Units are earned based on satisfactory performance and completion of 48 hours of coursework per unit.

Limitation on Enrollment: The student must be enrolled and must have completed a minimum of 12 units of college work with a grade point average of 3.0 or better - The Independent Studies Proposal must be approved by the discipline instructor, area Dean, Director of Admissions and Records, and VP of Academic Affairs.

CSU

WOODWORKING

WOD-70A Introduction to Woodworking I

3.0 Units / 1.0 hours LEC; 6.0 hours LAB

Credit course for grade or Pass/No Pass

This course will provide an introduction to the craft of woodworking for domestic furniture. Topics include the safe use of power equipment and hand tools, lumber selection and milling, joinery, assembly and finishing.

Recommended Preparation: MTH 79

WOD-70B Introduction to Woodworking II

3.0 Units / 1.0 hours LEC; 6.0 hours LAB

Credit course for grade or Pass/No Pass

This course will continue instruction in the craft of woodworking begun in WOD70A. Topics include the safe use of power equipment and hand tools, basic casework, methods, layout and joinery, assembly and finishing.

Prerequisite: WOD 70A with a minimum grade of C

WOD-80A Fine Woodworking: Theory and Practice I**18.0 Units / 3.0 hours LEC; 45.0 hours LAB*****Credit course for grade or Pass/No Pass***

This course will introduce students to the principles and practices of traditional and contemporary cabinetmaking. Topics will include refinements in the use of joinery, tools, and the elements of design. Students will incorporate these into individual projects of their own choosing.

Limitation on Enrollment: Acceptance into the Mendocino College Fine Woodworking Program

WOD-80B Fine Woodworking: Theory and Practice II**18.0 Units / 3.0 hours LEC; 45.0 hours LAB*****Credit course for grade or Pass/No Pass***

This class will build on the material in WOD 80A. Students will have the opportunity to learn and apply fundamental furniture-making skills and to improve and strengthen their existing skills through different applications. A survey of the aesthetics of project design, construction procedures, and advanced techniques will be presented.

Prerequisite: WOD 80A with a minimum grade of C

WOD-81A Fine Woodworking: Special Studies in Cabinet Making**16.0 Units / 48.0 hours LAB*****Credit course for grade or Pass/No Pass***

This course will act as the first in a series of courses of individual study in advanced cabinetmaking. Course hours are divided among in-depth study of the technical and aesthetic aspects of cabinetmaking, machine techniques, and hand tool methods related to excellence in woodworking. Students will create fine furniture that combines personal expression with function and is pleasing and proper. Students will plan and stage a fine furniture exhibition.

Prerequisite: WOD 80B with a minimum grade of C

WOD-81B Fine Woodworking: Advanced Special Studies in Cabinet Making**16.0 Units / 48.0 hours LAB*****Credit course for grade or Pass/No Pass***

This course will act as the second in a series of courses of individual study in advanced cabinetmaking. Course hours are divided among in-depth study of the technical and aesthetic aspects of cabinetmaking, machine techniques, and hand tool methods related to excellence in woodworking. Students will independently design and create fine furniture that combines personal expression with function and is pleasing and proper. Students will plan and stage a fine furniture exhibition.

Prerequisite: WOD 81A with a minimum grade of C

WOD-88.1 Special Topics in Woodworking: Introduction to Furniture Design**1.0 Units / 0.50 hours LEC; 2.0 hours LAB*****Credit course for Pass / No Pass only***

This course will teach students how to design furniture, integrating functional and social concepts. Sketching and model-making techniques will be demonstrated during this class. Demonstrations and critiques—both individual and group—will be part of this class.

WOD-88.2 Special Topics in Woodworking: Introduction to Relief Carving**1.0 Units / 0.50 hours LEC; 2.0 hours LAB*****Credit course for Pass / No Pass only***

This class will introduce students to the tools, techniques and procedures involved in relief carving in wood and furniture. Demonstrations and critiques, both individual and group, will be part of this class.

WOD-98.1 Intermediate Woodworking**12.5 Units / 2.0 hours LEC; 32.0 hours LAB*****Credit course for grade or Pass / No Pass***

This class will introduce advanced techniques beyond the use of solid wood, specifically veneering, bent lamination, and glass in cabinet construction. Students will have the opportunity to learn and apply these techniques in a project, and to improve and strengthen their existing skills.

Prerequisite: WOD 70B with a minimum grade of C

WORK EXPERIENCE EDUCATION

WEE-196 Work Experience Education

CSU

0.5 - 14.0 Units / Credit course for grade or Pass / No Pass

This course will enable students to earn college credit for learning or improving skills or knowledge while working. Faculty and employers help students create meaningful educational experiences by developing specific learning objectives that connect academic curricula to applied experiential learning in the workplace. Units are degree applicable and transferable. Units are awarded based on the progress towards learning objectives; additionally, each unit of Work Experience requires students to document 51 hours over the course of the semester.

Students may repeat Work Experience Education subject to Administrative Procedures and Title V