

Associate Degree Programs



Associate Degrees

To earn an Associate Degree, students must complete the required courses listed for the major along with general education, residency, institutional, unit and scholarship requirements. Refer to Academic Requirements for the Associate Degree for specific information, page 28.

General Education requirements for the Associate Degree can be earned by the completion of the Mendocino College Associate Degree pattern, page 29, the CSU pattern, page 31 or the Intersegmental General Education Transfer Curriculum (IGETC), page 32.

NOTE: Transfer students should satisfy the general education requirement for the Associate Degree by completing at least 39 units to meet the lower division general education certification to the California State University system or at least 37 units to meet the lower division intersegmental general education transfer curriculum (IGETC).

Students earning the Liberal Arts degree must complete the CSU or IGETC general education pattern.

Administration Of Justice

ASSOCIATE OF SCIENCE DEGREE

Administration of Justice major leads to the Associate in 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.

Required Courses - Major:

	Units
Adm. Justice 104 Legal Aspects of Evidence	3
Adm. Justice 108 Police Report Writing	3
Adm. Justice 200 Intro. Admin. of Justice	3
Adm. Justice 202 Concepts of Criminal Law	3
Adm. Justice 204 Community Relations	3
Plus 3 additional units selected from the following:	3
Adm. Justice 103 Patrol Procedures	3
Adm. Justice 106 Principles of Investigation	3
Adm. Justice 107 Crime Scene & Lab Techniques	3
Total Major units	18

Administrative Assistant

ASSOCIATE DEGREE

See Business Office Technology

Agriculture - Horticulture

ASSOCIATE OF SCIENCE DEGREE

Horticulture major leads to the Associate in 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 teaching.

Required Courses - Major:

	Units
Agriculture 100 Plant Pest and Disease Management	3
Agriculture 108 Soils and Fertility Management	3
Agriculture 140 Introduction to Horticulture	3
Agriculture 240 Plant Identification - Fall	3
Plus 9 additional units selected from the following:	9
Agriculture 102 Plant Propagation	3
Agriculture 142 Landscape Maintenance	3
Agriculture 144 Nursery Practices	3
Agriculture 147 Greenhouse Projects	3
Agriculture 151 Landscape Irrigation	2
Agriculture 154 Landscape Construction	3
Agriculture 196 Cooperative Work Experience Education	3
Agriculture 241 Plant Identification-Spring	3
Total Major units	21

Alcohol And Other Drugs Studies

ASSOCIATE OF SCIENCE DEGREE

Alcohol and Other Drugs Studies major addresses a wide range of issues in the field of substance use and abuse through its degree and certificate course work. Students vary from recent high school graduates to working professionals with advanced college degrees. Students who complete this specialized training, are able to apply what they have learned through required on-the-job field experiences in various public and private agencies, institutions and businesses.

Degree and certificate completers meet preparation requirements established by the California Certification Board of Alcohol and Drug Counselors (CCBADC) as well as those of the California Association of Alcohol and Drug Educators (CAADE). Completion of either the Associate of Science degree or the Certificate of Achievement will assist students in obtaining entry-level employment, job promotion/salary increases or transfer to a four-year college or university. (Note: Transfer credit may be limited by California State campuses. Please consult your Mendocino College counselor or Transfer Center for more information.)

Special Note:

The Associate of Science degree and/or Certificate of Achievement in Alcohol and Other Drugs Studies signifies readiness for working as a counselor-trainee, NOT as a "Licensed Addiction Counselor." This title is typically used to denote an individual with an earned Master or Doctoral degree with a specialization in Addiction Studies.

Field Practicum and Program Disqualification:

The Alcohol and Other Drugs faculty recognizes a responsibility to students whose attitudes and behavior indicate a suitability and readiness to carry out professional responsibilities in chemical treatment settings. A student may be denied or postponed placement in the supervised practicum courses (AOD 114 and 115) if he/she is deemed unready. The Director of Health and Human Services Programs and at least one Alcohol and Other Drugs faculty member will meet to make these determinations.

Required Courses - Major:

	Units
Alcohol/Drugs 53 Fundamentals of Interviewing and Counseling	3
Alcohol/Drugs 101 Alcohol and Other Drugs: Overview	3
Alcohol/Drugs 102 Skill Building for Helping Para-Professionals	3
Alcohol/Drugs 103 Physiological Effects of AOD	3
Alcohol/Drugs 105 Group Leadership and Group Process	3
Alcohol/Drugs 106 Case Management and Documentation	3
Alcohol/Drugs 108 Pre-Field Work: Agency Observation and Investigation	1
Alcohol/Drugs 110 Law, Ethics & Substance Abuse	3

Alcohol/Drugs 111 Family Counseling Approach to AOD	3
Alcohol/Drugs 114 Field Instruction & Practicum Seminar I	3.5
Alcohol/Drugs 115 Field Instruction & Practicum Seminar II	3.5
Total Major units	32

Art

ASSOCIATE OF ARTS DEGREE

Art major leads to the Associate in Arts 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 consultant, illustrator, teacher, artist or visual information specialist.

Required Courses - Major:

	Units
Art 201 World Art History I	4
Art 202 World Art History II	4
Art 210 Drawing I	1.5-3
Art 213 Color and Composition	3
Art 214 Three-Dimensional Art and Design	3
Plus 6 additional units from the selected option:	6

Painting Option

Art 218/219 Painting - Oils	1.5-3
Art 222/223 Painting - Watercolors	1.5-3
Art 226/227 Painting - Acrylics	1.5-3
Art 229 Portrait Painting	1.5-3
Art 231 Life Drawing	1.5-3

Ceramics Option

Art 240/241 Ceramics	3-3
Art 244/245 Advanced Ceramics	3-3

Weaving Option

Art 170/171 Weaving	3-3
Art 174 Weaving Structures	3
Art 175 Rug & Tapestry Weaving	3
Art 176/177 Fabric Printing & Dyeing	3-3

Total Major units 21.5-23

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ASSOCIATE DEGREES

Automotive Technology

ASSOCIATE OF SCIENCE DEGREE

Automotive Technology prepares students for entry level positions in the automotive repair and maintenance service fields. To those students who are working in a branch of the Automotive Technology area, this program offers opportunities for advancement as well as expanding their basic knowledge of this career field. The program provides a knowledge range from contemporary basic automotive technology to advanced automotive electronics.

Required Courses - Major:

		Units
Auto. Tech 82	B.A.R. Certification Update	2.5
Auto. Tech. 140	Automotive Engines	4
Auto. Tech. 142	Brakes/Suspension Alignment	6
Auto. Tech. 144	Manual Transmissions/Power Trains	3
Auto. Tech. 145	Automatic Transmissions/Power Trains	4
Auto. Tech. 146	Automotive Air Conditioning/Heating Systems	2
Auto. Tech. 162	Automotive Electrical Systems	5
Auto. Tech. 166	Automotive Diagnosis and Tune-Up	6
Auto. Tech. 170	Adv. Engine & Emission Controls	6
Total Major units		38.5

Biological Science

ASSOCIATE OF SCIENCE DEGREE

Biological Science major leads to the Associate in 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.

Required Courses - Major:

		Units
Biology 255	Botany	5
Biology 257	Zoology	5
Chemistry 250	General Chemistry I	5
Chemistry 251	General Chemistry II	5
Total Major units		20

Business - Accounting

ASSOCIATE OF SCIENCE DEGREE

Accounting prepares students for positions of responsibility or advancement in the field of business. This major offers education for students desiring to enter the world of finances; upgrading for in-service personnel; certificate program; an Associate of Science degree; and preemployment education in the major or allied fields such as accounting clerk, bookkeeper, payroll clerk, accountant or budget clerk.

Required Courses - Major:

		Units
Business 50	Mathematical Applications in Business	3
Business 101	Computerized Accounting Practices	1
Business 111	Federal Tax Accounting	3
Business 200	Financial Accounting	4
Business 201	Managerial Accounting	4
Business 230	Introduction to Business	3
Comp. Sci. 201	Intro. to Windows Applications	3
Total Major units		21

Business Administration

ASSOCIATE OF SCIENCE DEGREE

Business Administration prepares students for positions of responsibility or advancement in various areas of business. This major includes a general education pattern, as well as lower division required courses. Students completing a business baccalaureate program may be hired in accounting, finance, marketing, management entry level positions in public accounting, industry accounting, financial investment, banking, sales and marketing, real estate and land development, salary and wage administration, government, consulting, management, and other areas of business.

Required Courses - Major:

		Units
Business 200	Financial Accounting	4
Business 201	Managerial Accounting	4
Business 212	The Legal Environment of Business	3
Economics 200	Economics (Macro)	3
Economics 201	Economics (Micro)	3
Plus 3 additional units selected from the following:		3
Computer Sci. 201	Intro. to Windows Applications	3
Computer Sci. 203	Programming in Visual Basic for Windows	3
Computer Sci. 204	Database Application Development using Access & VBA (Visual Basic for Applications)	3
Computer Sci. 213	Programming in C++	3
Total Major units		20

Business - Management

ASSOCIATE OF SCIENCE DEGREE

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:

	Units
Business 50 Mathematical Applications in Business	3
Business 136 Introduction to Management	3
Business 200 Financial Accounting	4
Business 230 Introduction to Business	3
Comp. Sci. 201 Introduction to Windows Applications	3
Plus 6 additional units selected from the following:	6
Business 60 Becoming an Entrepreneur	3
Business 132 Entrepreneurial Management	3
Business 134 Human Relations in Business	3
Business 150 Entrepreneurial Marketing	3
Business 151 Introduction to Marketing	3
Business 165 Introduction to E-Commerce	3
Business 170 Written Business Communication	3
Business 201 Managerial Accounting	4
Business 212 Legal Environment of Business	3
Total Major units	22

Business Office Technology: Administrative Assistant

ASSOCIATE OF SCIENCE DEGREE

Administrative Assistant prepares students for positions of responsibility in business, industry, government, and the professions. This major offers training for students desiring to qualify for administrative positions. This training involves a solid grounding in secretarial, word processing, and time management skills, as well as communication and interpersonal skills.

Required Courses - Major:

	Units
Business 108 Accounting with QuickBooks	3
Business 136 Introduction to Management	3
Bus Off. Tech. 55 Machine Transcription	2
Bus Off. Tech. 100 Beginning Typing/Keyboarding or 101 or Intermediate Typing/Keyboarding or 102 or Advanced Typing/Keyboarding	3
Bus Off. Tech. 110 Business Calculators	1
Bus Off. Tech. 111 Business Calculator Simulations	1
Bus Off. Tech. 120 Word Processing I on a Microcomputer	1.5
Bus Off. Tech. 121 Word Processing II on a Microcomputer	1.5
Bus Off. Tech. 133 Beginning Speedwriting	3
Bus Off. Tech. 134 Advanced Speedwriting	3
Bus Off. Tech. 140 Office Procedures	3
Bus Off. Tech. 144 Records & Database Management	2
Bus Off. Tech. 170 Written Communication for Business	3
Bus Off. Tech. 196 Cooperative Work Experience Education	1
Comp. Sci. 201 Intro. to Windows Applications	3
Plus 5 additional units selected from the following:	5
Business 134 Human Relations in Business	3
Bus Off. Tech. 50 Medical Terminology	3
Bus Off. Tech. 57 Medical Office Procedures	3
Bus Off. Tech. 65 Desktop Publishing	3
Bus Off. Tech. 75 Business Presentations	1.5
Bus Off. Tech. 122 Business Office Simulation	1
Bus Off. Tech. 160 Legal Office Training in Non-Court Documents	3
Bus Off. Tech. 161 Legal Office Training in Court Documents	3
Comp. Sci. 64 Electronic Spreadsheets	3
Comp. Sci. 66 Database Software	3
Total Major units	39

ASSOCIATE DEGREES

Child Development/ Family Relations

ASSOCIATE OF SCIENCE DEGREE

The Child Development Program prepares students for an Associate of Science Degree in Child Development/Family Relations or completion of a certificate in Child Development and levels of the Child Development Permits including Associate Teacher, Teacher, Master Teacher and Site Supervisor. 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.

Required Courses - Major:

		Units
Child Dev. 100	Principles in Preschool Programs	3
Child Dev. 101	Practices & Curriculum in Preschool Programs	3
Child Dev. 105	Multi-Cultural Perspectives	
or 106	or Children with Special Learning Needs	3
Child Dev. 180	Child, Family & Community	3
Child Dev. 200	Psy. of Development: Infancy through Adolescence	
or 201	or Psy. of Development: Middle Childhood through Adulthood	
or 90	or Intro. to Growth & Development of Children	3
Plus 6 additional units selected from the following:		6
Child Dev. 105	Multi-Cultural Perspectives	3
Child Dev. 106	Children with Special Learning Needs	3
Child Dev. 111	Observ. & Participation/Lab I	2
Child Dev. 117	Practicum in Community Setting	2
Child Dev. 120	Infants and Toddlers	3
Child Dev. 121	Curriculum for Infants & Toddlers	3
Child Dev. 122	Inclusion of Infants and Toddlers with Special Needs	3
Child Dev. 125	Creative Activities	3
Child Dev. 126	Music and Movement	3
Child Dev. 127	Early Literacy	3
Child Dev. 128	Math and Science	3
Child Dev. 130	Supervision & Administration of Preschools/Day Care Centers	3
Child Dev. 135	Supervision of Adults in a Child Development Program	3
Child Dev. 140	Working w/School-Aged Child	3
Child Dev. 151	Assessment of Preschool Children	3
Child Dev. 152	Working with Parents	3

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Child Dev. 153	Behavior Support Strategies	3
Child Dev. 161	Active Learning and Play	1
Child Dev. 162	Curriculum Planning	1
Child Dev. 163	Reflective Teaching	1
Child Dev. 196	Cooperative Work Experience Education	1-4
Health 110	Child Health, Nutrition & Safety	3

Total Major units **21**

Computer and Information Applications

ASSOCIATE OF SCIENCE DEGREE

Computer and Information Applications prepares students for entry level positions in computer programming, computer systems design/analysis, and other computer related positions. Career areas include jobs in computer software developing, computer hardware and software sales, education, general business firms and other high technology related fields.

Required Courses - Major:

		Units
Comp. Sci. 140	Introduction to Structured Systems Analysis & Design	3
Comp. Sci. 201	Introduction to Windows Applications	3
Comp. Sci. 203	Programming in Visual Basic for Windows	3
Comp. Sci. 204	Database Application Development Using Access & VBA (Visual Basic for Applications)	3
Comp. Sci. 220	Introduction to Computer Science	3
Plus 9 additional units selected from the following:		9
Art 181	Computer Graphics	3
Business 230	Introduction to Business	3
Bus Off. Tech. 65	Desktop Publishing w/Micros	3
Comp. Sci. 64	Electronic Spreadsheets	3
Comp. Sci. 66	Database Software	3
Comp. Sci. 89	Microcomputer Oper. Syst. I	1.5
Comp. Sci. 105	UNIX Operating System	1.5
Comp. Sci. 106	UNIX Operating System II	1.5
Comp. Sci. 110	Network Operating Systems	3
Comp. Sci. 130	Web Page Design & Development	3
Comp. Sci. 134	Developing Web Applications	3
Comp. Sci. 196	Cooperative Work Experience Education	1-4
Comp. Sci. 213	Programming in C++	3

Total Major units **24**

Computer and Information Sciences

ASSOCIATE OF SCIENCE DEGREE

Computer and Information Sciences major leads to the Associate in Science degree and prepares the student for transfer to a four-year institution. Students completing a baccalaureate program or a graduate degree may be hired for systems analysis, systems design, programming, and systems project leadership and systems management jobs.

Required Courses - Major:

		Units
Comp. Sci. 220	Introduction to Computer Science	3
Comp. Sci. 221	Programming and Algorithms I	3
Comp. Sci. 222	Programming and Algorithms II	3
Plus 6 additional units of languages:		6
Comp. Sci. 134	Developing Web Applications	3
Comp. Sci. 203	Programming in Visual Basic for Windows	3
Comp. Sci. 204	Database Application Development Using Access & VBA (Visual Basic for Applications)	3
Comp. Sci. 213	Programming in C++	3
Plus 6 additional units selected from the following:		6
Business 200	Financial Accounting	4
Comp. Sci. 105	UNIX Operating System	1.5
Comp. Sci. 106	UNIX Operating System II	1.5
Comp. Sci. 110	Network Operating Systems	3
Comp. Sci. 130	Web Page Design & Development	3
Comp. Sci. 137	Web Page Animation & Authoring	3
Comp. Sci. 140	Intro. to Structured Systems Analysis & Design	3
Comp. Sci. 196	Cooperative Work Experience Education 1-4	
Comp. Sci. 201	Intro. to Windows Applications	3
Total Major units		21

Dance

ASSOCIATE DEGREE

See Theatre Arts: Dance Option

English

ASSOCIATE OF ARTS DEGREE

English major leads to the Associate in Arts 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 journalist, editor, information specialist, legislative assistant, public relations officer, teacher, advertising writer, lawyer or technical writer.

Required Courses - Major:

		Units
English 201	Reading and Composition II	3
English 225	Introduction to Shakespeare	3
English 245	American Literature I	3
English 246	American Literature II	3
English 250	World Literature	3
Plus 3 additional units selected from the following:		3
English 210	Creative Writing	3
English 265	Intro to California Literature	3
Total Major units		18

Ethnic Studies

ASSOCIATE OF ARTS DEGREE

Ethnic Studies major leads to the Associate in 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.

Required Courses - Major

		Units
Anthropology 201	Cultural Anthropology	3
Sociology 202	Racial and Ethnic Relations	3
Sociology 235	Mexican American Culture	3
Sociology 241	Pacific Coast Indian Cultures	3
Plus 6 additional units selected from the following:		6
Anthropology 200	Physical Anthropology	3
History 220	Mexican History	3
Sociology 200	Sociology	3
Total Major Units		18

ASSOCIATE DEGREES

Foreign Language (FRENCH)

ASSOCIATE OF ARTS DEGREE

Foreign Language major leads to the Associate in Arts 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 an international business executive, civil service officer, immigration specialist, peace corps volunteer, foreign correspondent, teacher, travel agent, interpreter, foreign trade agent or foreign service officer.

Required Courses - Major:

		Units
French 200	Elementary French-Level I	4
French 201	Elementary French-Level II	4
French 202	Intermediate French-Level III	4
French 203	Intermediate French-Level IV	4
Plus 4 additional units selected from the following:		4
French 102	Conversational French-Level III	2
French 103	Conversational French-Level IV	2
Spanish 100	Conversational Spanish-Level I	2
Spanish 101	Conversational Spanish-Level II	2
Spanish 102	Conversational Spanish-Level III	2
Spanish 103	Conversational Spanish-Level IV	2
Spanish 104	Advanced Spanish Conversation	2
Total Major units		20

Foreign Language (SPANISH)

ASSOCIATE OF ARTS DEGREE

Foreign Language major leads to the Associate in Arts 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 an international business executive, civil service officer, immigration specialist, peace corps volunteer, foreign correspondent, teacher, travel agent, interpreter, foreign trade agent or foreign service officer.

Required Courses - Major:

(For Non-Native Speakers)

		Units
Business 196*	Cooperative Work Experience Education	1
Spanish 200	Elementary Spanish-Level I	4
Spanish 201	Elementary Spanish-Level II	4
Spanish 202	Intermediate Spanish-Level III	4
Spanish 203	Intermediate Spanish-Level IV	4
Plus 4-5 additional units selected from the following:		4-5
French 100	Conversational French-Level I	2
French 101	Conversational French-Level II	2

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French 102	Conversational French-Level III	2
French 103	Conversational French-Level IV	2
Sociology 235	Mexican American Culture	3
Spanish 102	Conversational Spanish-Level III	2
Spanish 103	Conversational Spanish-Level IV	2
Spanish 104	Advanced Spanish Conversation	2

Total Major units 21-22

*Enrollment in Work Experience requires a meeting with the full-time instructor, Susan Janssen (468-3019), within the first two weeks of the semester.

Required Courses - Major:

(For Native Speakers)

		Units
Business 196*	Cooperative Work Experience Education	2
Sociology 235	Mexican American Culture	3
Spanish 104	Advanced Spanish Conversation	2
Spanish 203	Intermediate Spanish-Level IV	4
Spanish 210	Spanish for Spanish Speakers- Level I	3
Spanish 211	Spanish for Spanish Speakers- Level II	3
Plus 4-5 additional units selected from the following:		4-5
French 100	Conversational French-Level I	2
French 101	Conversational French-Level II	2
French 102	Conversational French-Level III	2
French 103	Conversational French-Level IV	2
Spanish 102	Conversational Spanish-Level III	2
Spanish 103	Conversational Spanish-Level IV	2
Spanish 104	Advanced Spanish Conversation	2

Total Major units 21-22

*Enrollment in Work Experience requires a meeting with the full-time instructor, Susan Janssen (468-3019), within the first two weeks of the semester.

General Studies

ASSOCIATE OF ARTS DEGREE

General Studies major leads to the Associate in Arts degree for the student who is not intending to transfer beyond the two-year college level. Students who complete this degree will show a general awareness of the scope of academic disciplines in the Liberal Arts and Sciences. Employment opportunities which require general cultural awareness at entry-level would be appropriate for General Studies majors.

The General Studies major consists of: 1) 18 units of degree applicable course work relevant to achieving educational, vocational, and personal goals, and may include up to 3 units of occupational work experience; 2) 18 units of General Education; and 3) 24 units of electives.

The major provides the maximum flexibility in program design leading to the Associate in Arts Degree.

Total Major units 18

Health Sciences

ASSOCIATE OF SCIENCE DEGREE

The Health Sciences degree is designed for students who wish to transfer to a four-year college or university to pursue a Baccalaureate or Masters degree in a health profession such as medical technology, nutrition, medicine, dentistry, pharmacy, physical therapy, veterinary science, etc.

Students interested in vocationally-specific training which prepares them for licensing examinations, such as Home Health Aide, EMT-1 paramedic, or Registered Nursing should look in the Mendocino College catalog under "Certificates of Achievement." Students who complete vocational training can apply the units earned in their certificate program as elective credits for an Associate of Science degree in Health Sciences.

For students planning on careers in Radiology, Dental Hygiene, Animal Health Technology, etc. (i.e. lower division level programs), Mendocino College offers the prerequisite courses and general education requirements for such Allied Health Occupation programs offered at other 2- and 4-year colleges. The lower division core requirements are similar from school to school, but the general education and institutional requirements for graduation can vary.

In order to receive a degree in Health Sciences from Mendocino College, students must complete the 28 units listed below, in addition to general education and institutional graduation requirements, and elective courses based on their academic and vocational goals—see your counselor for details.

Please review the various patterns with your counselor to make sure you understand your choices and the applicability of courses to majors at specific 4-year colleges / universities.

Major Requirements:

		Units
Biology 250	Principles of Biology	5
Chemistry 250	General Chemistry I	5
Chemistry 251	General Chemistry II	5
Chemistry 252	Organic Chemistry	9
Math 220	Statistics	4
Physics 210	Physics - Kinematics	4
	Total Major units	28

Some majors also require second semester physics (PHY 211), additional Biology (BIO 231, 255, 257, 259), and Calculus (MTH 210, 211). See your counselor for details.

Horticulture

ASSOCIATE OF SCIENCE DEGREE

See Agriculture-Horticulture Associate of Science Degree

Liberal Arts

ASSOCIATE OF ARTS DEGREE

Liberal Arts major leads to the Associate in Arts degree and prepares the student for transfer to a four-year institution and completion of the baccalaureate degree. Students in this field may be prepared to pursue careers in any business, industry or professional field in which a general cultural awareness at entry-level would be appropriate.

The Liberal Arts major consists of: 1) A minimum of 18 units toward lower-division major requirements at a four-year institution, which may include up to 3 units of occupational work experience; and 2) 37-39 units of General Education breadth requirements.

This major is also appropriate for students planning to transfer to institutions outside the CSU or UC system. Students planning to transfer should plan their programs using the latest catalog of the institution of their choice and the assistance of a Mendocino College counselor.

Total Major units 18

(All Mendocino College courses used to meet CSU requirements must be numbered 100-299; UC requirements must be numbered 200-299.)

LVN to RN Career Ladder

ASSOCIATE OF SCIENCE DEGREE

The LVN to RN Degree program requires one academic year, or two semesters, in addition to the completion of the prerequisite courses, non-nursing breadth requirements, and competencies. The LVN to RN Upgrade program represents the 3rd and 4th semesters of a full, generic RN curriculum. Graduates will earn the Associate of Science Degree in Nursing on completion of designated courses and competency requirements. Communication, natural and social science, and nursing courses must be completed with a grade of "C" or better to be eligible for licensure requirements of the State Board of Nursing.

Required Courses - Major:

		Units
Nursing 50	LVN-RN Transition	1
Nursing 121	Leadership and Management I	1
Nursing 122	Complex Med/Surg Nursing I	2
Nursing 124	Gerontology/Public Health Nursing	2
Nursing 126	Nursing Seminar I	2
Nursing 128	Advanced Clinical Nursing I	4
Nursing 130	Leadership and Management II	1
Nursing 132	Complex MS Nursing II	2
Nursing 134	Mental Health/Psych Nursing	2
Nursing 136	Nursing Seminar II	2
Nursing 138	Advanced Clinical Nursing II	4
	Total Major units	23

ASSOCIATE DEGREES

Mathematics

ASSOCIATE OF SCIENCE DEGREE

Mathematics major leads to the Associate in 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 computer scientist, engineer, statistician, teacher, financial analyst, systems analyst, auditor, controller, loan officer, tax collector or assessor.

Required Courses - Major:

		Units
Mathematics 210	Calculus & Analytic Geometry I	5
Mathematics 211	Calculus & Analytic Geometry II	5
Mathematics 212	Calculus & Analytic Geometry III	5

Plus 5-6 additional units selected from the following: 5-6

Chemistry 250	General Chemistry I	5
Mathematics 214	Linear Algebra	3
Mathematics 215	Differential Equations	3
Mathematics 220	Statistics	4
Physics 214	Calculus Physics - Kinematics	4
Total Major units		20-21

Music

ASSOCIATE OF ARTS DEGREE

Music major leads to the Associate in Arts 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 such as: VOCAL - a choir director, teacher, vocalist, entertainer, composer, or lyricist or; INSTRUMENTAL - music therapist, music librarian, entertainer, teacher, arranger, composer, or accompanist.

Required Courses - Major:

		Units
Music 201	Music Theory/Harmony I	3
Music 202	Music Theory/Harmony II	3
Music 203	Music History & Literature I	3
Music 204	Music History & Literature II	3
Music 205	Ear Training/Musicianship I	2
Music 206	Ear Training/Musicianship II	2
Music 210	Piano: Beginning I	2

Plus 10 additional units from either Vocal or Instrumental options: 10

Vocal Option

Music 230	Beginning Voice	1
Music 231	Intermediate Voice	1

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Music 232	Singers' Repertoire	1
Music 280	Masterworks Chorale	8
(total of 4 semesters)		

Instrumental Option

Music 211	Piano: Beginning II	2
Music 272	Symphonic Band	2-2
Music 276	Symphony Orchestra	1-1 or 2
(string players only)		

Total Major units 28

To fully benefit from the music program, students should also participate in small vocal and/or instrumental ensemble.

Natural Resources

ASSOCIATE OF SCIENCE DEGREE

Natural Resources major leads to the Associate in 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 conservationist, timber harvester, game warden, pollution analyst, naturalist, site selection consultant, ecologist, waste control specialist, resource development specialist or energy conservation specialist.

Required Courses - Major:

		Units
Biology 200	Concepts of Biology	3
Biology 201	Concepts of Biology Lab	1
Biology 255	Botany	5
Biology 257	Zoology	5
Geography 206	Physical Geography	4
Natural Res. 200	Environmental Science	3
Total Major units		21

Physical Education/Kinesiology

ASSOCIATE OF ART DEGREE

Physical Education/Kinesiology major leads to the Associate in Arts 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 teacher, coach, exercise physiologist, biomechanics, motor learning specialist, athletic trainer, physical therapist, sports psychologist, adaptive physical education specialist, personal fitness trainer, aerobic fitness instructor, health/fitness club manager or exercise testing technologist.

Required Courses - Major:

		Units
Biology 230	Human Anatomy	5
Biology 231	Human Physiology	5
Health 202	First Aid, Emergency Care and Cardiopulmonary Resuscitation* or *Current CPR/First Aid Certification	0-3
P.E. Activity	Minimum of one activity course from the category of Fitness and one course from the category of Sports	3
P.E. Major 200	Introduction to Kinesiology	3

Plus 9 additional units from either the Exercise Science/Wellness, General or Sports Medicine options

9

Exercise Science/Wellness Option

9 units selected from the following:

9

Business 134	Human Relations in Business	3
Health 114	Foods & Nutrition	3
Health 210	Care & Prevention of Athletic Injuries	3
P.E. Major 109	Fitness Instructor Trng.	3
P.E. Major 203	Concepts of Fitness	3

General Option

3 units selected from the following:

3

P.E. Major 109	Fitness Instructor Trng.	3
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Plus 6 activity units (minimum of one activity course from the category of Fitness and one course from the category of Sports)

6

Sports Medicine Option

9 units selected from the following:

9

Co-Op Ed 195	General Work Experience	1-3
Health 210	Care & Prevention of Athletic Injuries	3
P.E. Major 203	Concepts of Fitness	3

Total Major units**25-28****Physical Science**

ASSOCIATE OF SCIENCE DEGREE

Physical Science major leads to the Associate in 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 chemist, geophysicist, hydrologist, seismologist, environmental analyst, consumer safety officer, science educator or technical writer.

Required Courses - Major:

		Units
Astronomy 200	Astronomy	3
or 203	or Stellar Astronomy	
or 204	or Planetary Astronomy	
Chemistry 250	General Chemistry I	5
Geography 206	Physical Geography	4
Physical Sci. 210	Weather and Climate	3
Plus 8 additional units selected from the following:		8
Physics 210	Physics-Kinematics	4
Physics 211	Physics-Electricity Magnetism	4
Physics 214	Calculus Physics - Kinematics	4
Physics 215	Calculus Physics-Elec. Magnetism	4
Total Major units		23

ASSOCIATE DEGREES

Psychology

ASSOCIATE OF ARTS DEGREE

Psychology major leads to the Associate in Arts degree and prepares the student to transfer to a four-year institution. Students completing the baccalaureate program or graduate work may be hired for social work, education, counseling, clinical, research or industrial psychology, law, and criminal justice.

Required Courses - Major:

		Units
Psychology 205	Introductory Psychology	3
Psychology 206 or 220	Human Sexuality or Psychology of Gender	3
Psychology 250	Research Methods for Social Sciences	3
Plus 9 additional units selected from the following:		9
Child. Dev. 200	Psychology of Development: Infancy through Adolescence	3
Child. Dev. 201	Psychology of Development: Middle Childhood - Adulthood	3
Psychology 181	Surviving Grief, Loss & Death	3
Psychology 190	Introduction to Counseling	3
Psychology 206	Human Sexuality	3
Psychology 212	Personality Theories	3
Psychology 215	Psychology of Personal Growth	3
Psychology 216	Social Psychology	3
Psychology 218	Abnormal Psychology	3
Psychology 220	Psychology of Gender	3
Psychology 255	Introduction to Psychobiology	3
Total Major units		18

Social Science

ASSOCIATE OF ARTS DEGREE

Social Science major leads to the Associate in Arts 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 political scientist, sociologist, psychologist, urban planner, anthropologist, archivist, historian, genealogist, demographer or archaeologist.

Required Courses - Major:

		Units
History		
3 units selected from the following:		3
History 200	History of Western Civilization	3
History 201	History of Western Civilization	3
Culture		
3 units selected from the following:		3
Anthropology 201	Cultural Anthropology	3
Geography 201	Cultural Geography	3
Sociology 200	Sociology	3
Human Development		
3 units selected from the following:		3
Child Dev. 200	Psychology of Development: Infancy through Adolescence	3
Child Dev. 201	Psychology of Development: Middle Childhood through Adulthood	3
Psychology 205	Introductory Psychology	3
Psychology 215	Psychology of Personal Growth	3
Economics		
3 units selected from the following:		3
Economics 200	Economics (Macro)	3
Economics 201	Economics (Micro)	3
Plus 6 additional units selected from the following:		6
Anthropology 201	Cultural Anthropology	3
Child Dev. 180	Child, Family & Community	3
Geography 206	Physical Geography	4
History 210	United States History I	3
History 211	United States History II	3
History 212	United States History III	3
History 220	Mexican History	3
History 221	California History	3
History 260	Studies in History	3
Political Sci. 201	Comparative Government	3
Psychology 205	Introductory Psychology	3
Psychology 206	Human Sexuality	3
Psychology 216	Social Psychology	3
Psychology 220	Psychology of Gender	3
Sociology 200	Sociology	3
Sociology 201	Modern Social Problems	3
Sociology 202	Racial & Ethnic Relations	3
Total Major units		18

Speech

ASSOCIATE OF ARTS DEGREE

Speech major leads to the Associate in Arts 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 lawyer, salesperson, communication aide, teacher, public relations officer, publicity specialist or radio-television announcer.

Required Courses - Major:

		Units
Speech 200	Intro. to Public Speaking	3
Speech 210	Interpersonal Communication	3
Speech 211	Intercultural Communication	3

Plus 9 additional units selected from the following: 9

Anthropology 201	Cultural Anthropology	3
Philosophy 200	Logic	3
Philosophy 210	Ethics	3
Philosophy 220	Introduction to Philosophy	3
Psychology 215	Psychology of Personal Growth	3
Sociology 201	Modern Social Problems	3

Total Major units 18

Theatre Arts

ASSOCIATE OF ARTS DEGREE

Theatre Arts major leads to the Associate in Arts 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 teacher, actor/actress, radio/television announcer, public affairs officer, costume specialist, stage hand, lighting designer or dramatist, choreographer, commercial theatre dancer, concert dancer, dance critic, dance therapist, dance notator or movement analyst.

Required Courses - Major:

		Units
Theatre Arts 210	Beginning Acting	3
Theatre Arts 225	Production-Performance	2
Theatre Arts 230	Modern Dance: Beginning	2

Plus 3 additional performance units selected from: 3

Music 220	Opera Theatre-Performance	1-3
Theatre Arts 220	Acting-Performance	1-3
Theatre Arts 225	Production-Performance	1-2
Theatre Arts 260	Dance Performance	1-3
Theatre Arts 262	Dance for Musical Theatre	1-3
Theatre Arts 265	Dance Repertory: Apprentice	1-3
Theatre Arts 266	Dance Repertory	1-3

Plus 10 additional units from the selected option: 10

continued on next column

Theatre Option*

Theatre Arts 200	Introduction to Drama	3
Plus 7 additional units selected from the following		
Theatre Arts 60	Audition Techniques	1
Theatre Arts 202	Intro. to Dramatic Literature	3
Theatre Arts 209	Improvisation	2
Theatre Arts 211	Intermediate Acting: Scene Study	3
Theatre Arts 212	The Actor's Voice	1
Theatre Arts 213	Acting Styles	3
Theatre Arts 215	Stagecraft	3
Theatre Arts 216	Stage Lighting	3
Theatre Arts 217	Costume Construction	2

*English 225 is strongly recommended for all theatre emphasis majors. Additional courses in dance (THE 231, 234, 238, 239, 242, or 243) and voice (MUS 230 and 231) are also recommended for students with an acting focus.

Dance Option*

Eight units selected from the following:

Music 200	Fundamentals of Music	3
Theatre Arts 204	History & Appreciation of Dance	3
Theatre Arts 206	Dance in World Cultures	3
Theatre Arts 231	Modern Dance: Intermediate	2
Theatre Arts 242	Ballet: Beginning	2
Theatre Arts 250	Choreography	2

Plus 2 additional units selected from the following:

Theatre Arts 234	Tap Dance: Beginning	2
Theatre Arts 238	Jazz Dance: Beginning	2
Theatre Arts 239	Jazz Dance: Intermediate	2

Total Major units: 20

*Theatre Arts 204 or 206 are recommended for all individuals who are majoring in Dance to fulfill the general education requirement for the Associate Degree.

