

## Programs of Instruction

### Catalog under which a student may graduate

The catalog in use at the time a student first enrolls and completes credit classes offered through Eastern Wyoming College determines the degree or certificate requirements for graduation. However, returning students who have a two-semester break, not including the summer term, must meet the requirements of the catalog in use at the time of readmission.

Students changing their program of study from their initial enrollment are expected to fulfill graduation requirements under the catalog in effect at the time they begin classes for that program.

If courses originally required in the old catalog no longer exist, the college reserves the right to substitute one course for another in any program or degree. Refresher classes may be required for some skill courses.

### Second Associate Degree from EWC

1. Students who wish to do so may earn more than one degree at Eastern Wyoming College; however, no student may receive more than one Associate of Arts Degree or more than one Associate of Science Degree. They may receive multiple Associate of Applied Science Degrees if the areas of concentration are different.
2. Students must consult an advisor when planning a degree. The advisor must approve the planned program of study for the additional degree.
3. Students must complete the degree requirements listed in the current year's catalog for the second degree.
4. A student may receive as many different degrees at graduation as he or she has earned at that point.
5. A maximum of 52 semester hours of credit from the first degree may be applied toward the second degree.
6. For each degree earned, a student must satisfy a 12-hour residency requirement. A student may concurrently earn two degrees by achieving 24 hours in residency.

### Tech Prep

The primary goal of Tech Prep is to prepare students for high-skill occupations by teaching them workplace competencies without a duplication of effort between high school and college. Tech Prep emphasizes an integration between academic, applied, and cognitive learning to better equip students with skills as dictated by changes within the work environment.

Eastern Wyoming College has more than 25 articulation agreements with Wyoming High Schools in Business Office Technology, Computer Networking, Agriculture, and Welding & Joining Technology. These agreements allow high school students to earn college credit after one semester at EWC. For more information contact the Perkins Coordinator at 532.8323.

### General Education Requirements

Eastern Wyoming College expects that its graduates will have an educational foundation that prepares them for a complex and rapidly changing world. The curriculums offered will allow the development of general education competencies necessary for participation in society as well as the development of specialized knowledge necessary within a given discipline. Every EWC graduate will have demonstrated competencies in these five general education areas:

1. **Communication Skills:**  
Graduates will be able to understand and communicate ideas and information in written and spoken English that reveals a mastery of terminology appropriate to their disciplines.
2. **Analytical and Quantitative Reasoning:**  
Graduates will be able to solve problems through critical thinking involving analytical and quantitative reasoning at a level appropriate to their disciplines.
3. **Technology Skills:**  
Graduates will be able to demonstrate competence using technology appropriate to their disciplines.

## Programs of Instruction

**4. Social Awareness:**  
Graduates will be able to demonstrate an awareness of the relationship between the individual and the world.

**5. Information Literacy:**  
Graduates will be able to locate, evaluate, and use information effectively.

### Degree Requirements

#### General Transfer

The specific courses that fulfill each of the general transfer categories for the Associate of Arts and Associate of Science Degree are listed below. The process of assigning courses in each category is continually being updated. Students should contact their advisors for updated listings.

Category/Courses	Course Title	Hours
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#### Orientation

HMDV 1000	College Studies	1
HP 1000	Honors Experience	1

#### English Composition

ENGL 1010	English I: Composition	3
HP 1151	Freshman Honors Colloquium I	3

#### Intensive Writing

ENGL 1020	English II	3
HP 1151	Freshman Honors Colloquium II	3

#### Mathematics

COSC 1010	Introduction to Computer Science I	4
MATH 1000	Problem Solving	3
MATH 1105	Mathematics for the Elementary School Teacher II	3
MATH 1400	Pre-Calculus Algebra	4
MATH 1405	Pre-Calculus Trigonometry	3
MATH 1450	Algebra and Trigonometry	5
MATH 2200	Calculus I	5
MATH 2205	Calculus II	5
MATH 2210	Calculus III	5
MATH 2350	Business Calculus	4
PHYS 1120	General Physics II	4
STAT 2050	Fundamentals of Statistics	4

#### Lab Science

BIOL 1000	Principles of Biology	4
BIOL 1002	Discovering Science	4

BIOL 1010	General Biology I	4
BIOL 2020	General Biology II	4
CHEM 1000	Introductory Chemistry	4
CHEM 1002	Discovering Science	4
CHEM 1020	General Chemistry I	4
CHEM 1030	General Chemistry II	4
GEOL 1100	Physical Geology	4
GEOL 1200	Historical Geology	4
PHYS 1110	General Physics I	4
ZOO 1500	Introduction to Human Anatomy & Physiology	4
ZOO 2015	Human Anatomy	4
ZOO 2025	Human Physiology	4

#### Humanities

ENGL 2140	World Literature	3
ENGL 2210	English Literature I	3
ENGL 2220	English Literature II	3
ENGL 2310	American Literature I	3
ENGL 2320	American Literature II	3
ENGL 2370	Western American Literature	3
ENGL 2440	Literary Genres: Short Story	3
HIST 2290	North American Indians	3
HP 1151	Freshman Colloquium I	3
LIBS 2280	Literature for Children	3
PHIL 1000	Introduction to Philosophy	3
PHIL 2300	Ethics in Practice	3
RELI 1000	Introduction to Religion	3

#### Visual, Performing, Fine Arts

ART 1000	General Art: Studio	3
ART 1010	General Art: History	3
ART 1050	Beginning Drawing	3
ART 1310	Sculpture I	3
ART 2010	Art History I	3
ART 2020	Art History II	3
CO/M 1010	Public Speaking	3
ENGL 2480	Literary Genres: Drama	3
MUSC 1000	Introduction to Music	3
MUSC 1400	Collegiate Chorale	1
MUSC 2015	Introduction to the Music of the World's Peoples	3
MUSC 2050	Music History Survey I	3
MUSC 2055	Music History Survey II	3
THEA 1000	Introduction to Theatre	3

#### Social Science

(\*Must include POLS 1000 or HIST 1211 or HIST 1221, or HIST 1210 and HIST 1250: Students should consult with their advisor concerning transferability)

AGEC 1010	Agricultural Economics I	3
ANTH 1100	Intro to Physical Anthropology	3
ANTH 1200	Intro to Cultural Anthropology	3
CO/M 1030	Interpersonal Communication	3

## Programs of Instruction

CO/M 1040	Intro to Human Communication	3
ECON 1010	Macroeconomics	3
ECON 1020	Microeconomics	3
G&R 1000	Introduction to Geography	3
G&R 1030	Intro to World Regional Geography	3
*HIST 1210	United States History I	3
*HIST 1211	U.S. to 1865	3
HIST 1220	United States History II	3
*HIST 1221	U.S. from 1865	3
*HIST 1250	History of Wyoming	3
HIST 1290	History of US West	3
HIST 2290	North American Indians	3
*POLS 1000	American & Wyoming Government	3
POLS 1200	Non-Western Political Cultures	3
POLS 2000	Current Issues in American Govt.	3
PSYC 1000	General Psychology	4
SOWK 1000	Introduction to Social Work	4
SOC 1000	Sociological Principles	3
SOC 1100	Social Problems	3
SOC 2120	Fundamentals of Aging & Human Development	3
SOC 2200	Sociology of Human Sexuality	3

### Cultural Awareness

(May "double count"- A course in this category may simultaneously fulfill another general education requirement providing that the same course has been approved and is listed in that other category.)

AMST 2110	Cultural Diversity in America	3
ANTH 1100	Intro to Physical Anthropology	3
ANTH 1200	Intro to Cultural Anthropology	3
ART 2010	Art History I	3
ART 2020	Art History II	3
G&R 1000	Introduction to Geography	3
G&R 1030	Intro to World Regional Geography	3
HIST 1110	Western Civilization I	3
HIST 1120	Western Civilization II	3
HIST 2290	North American Indians	3
MKT 2100	Principles of Marketing	3
MUSC 1000	Introduction to Music	3
MUSC 2015	Introduction to the Music of the World's Peoples	3
POLS 1200	Non-Western Political Cultures	3
RELI 1000	Introduction to Religion	3

### Physical Education Activity

#### Area I-Fitness

PEAC 1032	Aerobic Cond. I/Fitness Center	1
PEAC 1033	Aerobic Cond. II/Fitness Center	1
PEAC 1034	Aerobic Cond. III/Fitness Center	1
PEAC 1035	Aerobic Cond. IV/Fitness Center	1
PEAC 2000	Wellness: PE Concepts/Fitness Course	1

#### Area II-General Physical Activity

PEAC 1008	Lifetime Sports	1
PEAC 1012	Beginning Swimming	1
PEAC 1020	Fitness and Conditioning	1
PEAC 1050	Beginning Tennis	1
PEAC 1252	Beginning Badminton	1
PEAC 1253	Beginning Bowling	1
PEAC 1255	Beginning Golf	1
PEAC 1257	Beginning Racquetball	1
PEAC 1260	Beginning Volleyball	1
PEAC 1271	Weight Loss Conditioning	1
PEAC 1273	Heavy Resistance Conditioning	1
PEAC 1281	Beginning Casting and Angling	1
PEAC 1283	Beginning Orienteering	1
PEAC 2011	Intermediate Swimming	1

## A. Associate of Arts Degree

The Associate of Arts Degree will be awarded students in transfer programs who complete the following requirements:

1. Completion of the program requirements in which the student is enrolled.
2. Completion of a minimum of 64 semester hours in courses numbered 1000 or above with a cumulative grade point average of 2.00 or better.
3. No more than six hours in courses numbered 1490, 1990, 2490, or 2990 will apply toward the degree. In addition, no course offered under the Developmental Studies department may be applied toward the degree.
4. Completion of at least 12 semester hours applicable towards graduation from Eastern Wyoming College.
5. Completion of the appropriate reading course (DVST 0515, DVST 0520), or an appropriate score on the reading exam.
6. Completion of the college-wide exit assessment and the outcomes assessment requirements specific to the major.

## Programs of Instruction

**7.** File graduation application with the office of the Dean of Student Services. The application is due eight weeks prior to the end of the semester in which the candidate expects to graduate.

**8.** Students who have an incomplete and plan to graduate have one semester or the summer session (whichever comes first) in which to finish the incomplete. If they do not finish the incomplete the graduation date moves to the semester in which they finish the incomplete. A new graduation application must be submitted to the office of the Dean of Student Services.

**9.** A grade of either “S” or “C” or better must be received in each course used to satisfy the general transfer requirements below. A grade of “S” may be earned through institutional challenge, CLEP, or advanced placement examinations.

**10.** All students are required to meet the constitutional requirement by taking one of the following: HIST 1210 United States History I and HIST 1250 History of Wyoming, HIST 1211 U.S. to 1865, HIST 1221 U.S. from 1865, POLS 1000 American & Wyoming Government.

The process of assigning specific courses that fulfill each of the general transfer categories listed below is continually being updated. Students are advised to contact their advisors for updated listings to ensure meeting the appropriate requirements for graduation or transfer.

Minimum Hours Required	General Transfer Categories
1	Orientation (College Studies) This course is highly recommended for all new students in their first semester at EWC. It must be completed by all students, including transfer students, before they have accrued 30 college credits. It must also be completed by transfer students who are on academic probation.
3	English Composition
3	Intensive Writing Course
3	College-level Mathematics
4	Lab Science
3	Humanities
3	Visual, Performing, Fine Arts
6	Social Science (includes state statutory requirement on the constitution)
3	Cultural Awareness (may double count)
2	Fitness (Area I)/Physical Education Activity (Area II)

All students, except those medically exempted, are required to take two different physical activity courses

which must be taken in separate semesters. Students must select a minimum of one physical education activity course from Area II. Medical exemptions will be allowed only on the receipt of a signed form from the certifying doctor.

### B. Associate of Science Degree

The Associate of Science Degree will be awarded students in transfer programs who complete the following requirements:

- 1.** Completion of the program requirements in which the student is enrolled.
- 2.** Completion of a minimum of 64 semester hours in courses numbered 1000 or above with a cumulative grade point average of 2.00 or better.
- 3.** No more than six hours in courses numbered 1490, 1990, 2490, or 2990 will apply toward the degree. In addition, no course offered under the Developmental Studies department may be applied toward the degree.
- 4.** Completion of at least 12 semester hours applicable towards graduation from Eastern Wyoming College.
- 5.** Completion of the appropriate reading course (HMDV 0515, HMDV 0520), or an appropriate score on the reading exam.
- 6.** Completion of the college-wide exit assessment and the outcomes assessment requirements specific to the major.
- 7.** File graduation application with the office of the Dean of Student Services. The application is due eight weeks prior to the end of the semester in which the candidate expects to graduate.
- 8.** Students who have an incomplete and plan to graduate have one semester or the summer session (whichever comes first) in which to finish the incomplete. If they do not finish the incomplete the graduation date moves to the semester in which they finish the incomplete. A new graduation application must be submitted to the office of the Dean of Student Services.
- 9.** A grade of either “S” or “C” or better must be received in each course used to satisfy the general transfer requirements below. A grade of “S” may be earned through institutional challenge, CLEP, or advanced placement examinations.
- 10.** All students are required to meet the constitutional requirement by taking one of the following: HIST 1210 United States History I and

## Programs of Instruction

HIST 1250 History of Wyoming, HIST 1211 U.S. to 1865, HIST 1221 U.S. from 1865, POLS 1000 American & Wyoming Government.

The process of assigning specific courses that fulfill each of the general transfer categories listed below is continually being updated. Students are advised to contact their advisors for updated listings to ensure meeting the appropriate requirements for graduation or transfer.

Minimum Hours Required	General Transfer Categories
1	Orientation (College Studies) This course is highly recommended for all new students in their first semester at EWC. It must be completed by all students, including transfer students, before they have accrued 30 college credits. It must also be completed by transfer students who are on academic probation.
3	English Composition
3	Intensive Writing Course
10	Lab Science/Mathematics, including one college level math course and one lab science
3	Humanities or Visual, Performing, Fine Arts
6	Social Science (includes state statutory requirement on the constitution)
3	Cultural Awareness (may double count)
2	Fitness (Area I)/Physical Education Activity (Area II)

All students, except those medically exempted, are required to take two different physical activity courses which must be taken in separate semesters. Students must select a minimum of one physical education activity course from Area II. Medical exemptions will be allowed only on the receipt of a signed form from the certifying doctor.

### C. Associate of Applied Science Degree

The Associate of Applied Science Degree will be awarded students in technical programs who complete the following requirements:

- 1.** Completion of the curriculum requirements and approved electives for the program in which the student is enrolled.
- 2.** Completion of at least 12 semester hours applicable towards graduation from Eastern Wyoming College.
- 3.** Completion of a minimum of 62 semester hours with a cumulative grade point average of 2.00 or better.

**4.** Completion of the appropriate reading course (HMDV 0515, HMDV 0520), or an appropriate score on the reading exam.

**5.** File graduation application with the office of the Dean of Student Services. The application is due eight weeks prior to the end of the semester in which the candidate expects to graduate.

**6.** Students who have an incomplete and plan to graduate have one semester or the summer session (whichever comes first) in which to finish the incomplete. If they do not finish the incomplete the graduation date moves to the semester in which they finish the incomplete. A new graduation application must be submitted to the office of the Dean of Student Services.

**7.** The minimum general education requirements for any Associate of Applied Science Degree are listed below. Specific program requirements vary and some courses may be of higher level than the minimum stated. A grade of either "S" or "C" or better must be received in any course used to satisfy the general education requirements. A grade of "S" may be earned through institutional challenge, CLEP, or advanced placement examinations.

**8.** Completion of the college-wide exit assessment and the outcomes assessment requirements specific to the major.

**9.** All students are required to meet the constitutional requirement by taking one of the following: HIST 1210 United States History I and HIST 1250 History of Wyoming, HIST 1211 U.S. to 1865, HIST 1221 U.S. from 1865, POLS 1000 American & Wyoming Government.

Minimum Hours Required	General Transfer Categories
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1	Orientation (College Studies) This course is highly recommended for all new students in their first semester at EWC. It must be completed by all students, including transfer students, before they have accrued 30 college credits. It must also be completed by transfer students who are on academic probation.
3	English TECH 1005 or higher level English based on placement examination.
3	Mathematics MATH 1515 or higher level mathematics based on placement examination.

## Programs of Instruction

- 2-5 Political Science/History  
\*POLS 1000  
\*POLS 1050  
\*HIST 1210  
\*HIST 1250  
\*HIST 1211  
\*HIST 1221

\*Students must take POLS 1000, HIST 1211, HIST 1221, POLS 1050, or a combination of HIST 1210 and HIST 1250. Students should consult with their advisors concerning transferability.

Students should be aware of general education components that are incorporated into technical classes, such as computer skills.

Students should be aware of general education components that are incorporated within the certificate program coursework. This related education material emphasizes such critical topics as report writing, reading, mathematics, interpersonal skills, and computer skills.

### D. Certificate

Certificates will be awarded students in certificate programs who complete the following requirements:

1. Completion of the curriculum requirements specified for the respective programs, with a cumulative grade point average of 2.00 or better.
2. Completion of the appropriate reading course (HMDV 0510, HMDV 0515, HMDV 0520), or an appropriate score on the reading exam.
3. File certificate application with the office of the Dean of Student Services. The application is due eight weeks prior to the end of the semester in which the candidate expects to graduate.
4. Students who have an incomplete and plan to graduate have one semester or the summer session (whichever comes first) in which to finish the incomplete. If they do not finish the incomplete, the graduation date moves to the semester in which they finish the incomplete. A new certificate application must be submitted to the office of the Dean of Student Services.
5. Completion of the outcomes assessment appropriate to the program.

### E. Distance Learning

Eastern Wyoming College offers four complete Distance Learning Programs:

- Interdisciplinary Studies AA
- Interdisciplinary Studies AS
- Criminal Justice AA
- Business Administration AAS

The primary modes of delivery are internet, compressed video, and telecourse. Please see the website, ewc.wy.edu, for a complete listing of courses each semester. All previously listed degree requirements still pertain to distance degrees.

### Programs of Instruction

The following are suggested programs of instruction available at Eastern Wyoming College. Each program lists the degree offered; the various options, if any, within the program; the criteria for the degree; and program requirements.

Program electives are designated by asterisks (\*) and are generally listed immediately following suggested programs of instruction. In recognition that all student goals are not met with a single academic plan, the student, with his/her advisor's sign-off approval, may include substitute courses for those indicated by an asterisk. Students will be responsible to confer with their advisors in planning their schedules.

The suggested courses to fulfill the general education requirements are incorporated into each program of study. While some substitution of general education courses may be possible, students should consult with their advisors to ensure that all general education requirements are satisfied.

### ACCOUNTING/BUSINESS ADMINISTRATION

DEGREE:	CREDITS
ASSOCIATE OF SCIENCE	64

The suggested accounting/business administrative program allows the student to earn an Associate of Science Degree while completing the first two years of college work toward a bachelor's degree. Those majoring in accounting, marketing, management, finance or other specific areas of business generally take the same courses during the first two years.

## Programs of Instruction

Students must complete all program requirements, including approved electives, with a "C" or better.

### FRESHMAN YEAR

Fall Semester		Credit
ACCT 1010	Principles of Accounting I	3
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
or HMDV 1020	Orientation to Distance Learning	
	Constitutional Requirement	3
PEAC	Approved Activity/ Fitness Course	1
MATH 1400	Pre-Calculus Algebra	4
<b>Total</b>		<b>15</b>

Spring Semester		Credit
ACCT 1020	Principles of Accounting II	3
ENGL 1020	English II	3
STAT 2050	Fundamentals of Statistics	4
PEAC	Approved Activity/ Fitness Course	1
	Lab Science	4
<b>Total</b>		<b>15</b>

### SOPHOMORE YEAR

Fall Semester		Credit
ECON 1010	Macroeconomics	3
MATH 2350	Business Calculus	4
CO/M 1010	Public Speaking	3
ACCT 2450	Cost Accounting	3
MKT 2100	Principles of Marketing	3
	Elective credits	2
<b>Total</b>		<b>18</b>

Spring Semester		Credit
ECON 1020	Microeconomics	3
BADM 2010	Business Law I	3
MATH 2355	Mathematical Applications for Business	4
IMGT 2400	Introduction to Information Management	3
	Elective	3
	Outcomes Assessment: Departmental Exam and Core Competency Evaluation	
<b>Total</b>		<b>16</b>

\*Approved Electives: Any course at the 1000 or above level.

## AGRI-BUSINESS: FARM AND RANCH MANAGEMENT

DEGREE:	CREDITS
ASSOCIATE OF APPLIED SCIENCE	64
CERTIFICATE-BEEF PRODUCTION	33

## ASSOCIATE OF APPLIED SCIENCE- FARM AND RANCH MANAGEMENT

The Associate of Applied Science Degree in Farm and Ranch Management provides the basic subject matter and training for successful students to compete for employment.

Students must complete all program requirements, including approved electives, with a "C" or better.

### FRESHMAN YEAR

Fall Semester		Credit
AGRI 1010	Computers: Agriculture	3
or COSC 1200	Computer Information Systems	
ANSC 1010	Livestock Production I	4
BIOL 1000	Principles of Biology	4
or BIOL 1010	General Biology	
HMDV 1000	College Studies	1
MATH 1000	Problem Solving	3
or MATH 1515	Applied Technical Math	
	*Approved Electives	1
<b>Total</b>		<b>16</b>

Spring Semester		Credit
AGTK 1810	Beginning Hydraulics	3
AGEC 2350	Agricultural Commodities in Marketing	2
SOIL 2200	Applied Soils	3
TECH 1005	Applied Technical Writing	3
or ENGL 1010	English I: Composition	
	*Approved Electives	4
<b>Total</b>		<b>15</b>

### SOPHOMORE YEAR

Fall Semester		Credit
AGEC 1010	Agricultural Economics	3
ANSC 2030	Principles of Livestock Feeding	4
AGEC 2010	Farm-Ranch Business Records	3
	Constitutional Requirement	3
AGEC 1970	Agriculture Internship	2
	*Approved Electives	2
<b>Total</b>		<b>17</b>

## Programs of Instruction

Spring Semester		Credit
REWM 2000	Principles of Range Mgmt	3
AGEC 2020	Farm & Ranch Business Management	3
AGEC 2150	Agri-Business Finance	3
AGEC 2395	AG Capstone Project	2
	*Approved Electives	5
<b>Total 16</b>		

### \*Approved Agricultural Electives:

AGEC 1200	Economics & Management of Agricultural Equipment	2
AGEC 2300	Agricultural Marketing	2
AGEC 2350	Agricultural Commodities in Marketing	2
AGRI 2000	Agriculture Chemicals	2
AGTK 1910	Equipment Maintenance and Repair	2
ANSC 1035	Horse Production	3
ANSC 1100	Management of Reproduction	4
ANSC 1210	Beginning Livestock Judging I	2
ANSC 2110	Beef Production and Management	3
CROP 2200	Forage Crop Science	3
ELTR 1515	Electrical Concepts	2
EQST 1570	Horseshoeing I	1
EQST 1580	Horseshoeing II	1
EQST 1725	Rodeo Rough Stock I	2
or EQST 1740	Rodeo Timed Events I	2
MCHT 1500	General Machine Shop	2
or MCHT 1610	Machine Tool Technology I	2
REWM 1300	Introduction to Water Resources	3
REWM 2500	Rangeland Plant Identification	2
SOIL 2300	Soil Science & Fertilizer Technology	2
WELD1700	General Welding	3

### CERTIFICATE-BEEF PRODUCTION

The Beef Production Certificate program is an intensive curriculum designed to train the student for an entry level management position in the Production Livestock Industry. The program emphasizes hands-on learning through labs and practicum experience. New technologies used include: computer assisted ration formulation and record keeping, ultrasound equipment, software for cowherd management and farm management, and GPS.

Students must complete all program requirements with a "C" grade or better.

FRESHMAN YEAR		Credit
<b>Fall Semester</b>		
AGEC 2010	Farm-Ranch Business Records	3
ANSC 2030	Principles of Livestock Feeding	4
BIOL 1000	Principles of Biology	4
or BIOL 1010	General Biology	4
HMDV 1000	College Studies	1
ANSC 2110	Beef Production and Management	3
ANSC 1210	Beg. Livestock Judging	2
<b>Total 17</b>		

Spring Semester		Credit
AGEC 2150	Agri-Business Finance	3
REWM 2000	Princ. of Range Mgmt	3
ANSC 1100	Mgmt of Reproduction	4
AGTK 1550	Veterinary Elements	4
AGEC 1970	Ag Internship	2
	Exit Interview/Oral Exam (Outcomes Assessment)	
<b>Total 16</b>		

### AGRICULTURAL BUSINESS

DEGREE:	CREDITS
ASSOCIATE OF SCIENCE	64

The two-year agricultural-business program at Eastern Wyoming College is designed to provide advanced training for individuals with a desire to broaden their scope of career opportunities with marketing firms, agricultural supply installations, equipment and fertilizer companies, and other businesses serving agriculture. The curriculum was planned so that the student can transfer the credit earned to other colleges and universities should he/she decide to obtain an advanced degree.

The recommended courses listed below are designed to transfer to the UW College of Agriculture, Farm/Ranch Management Option. Other colleges may have other requirements.

Students must complete all program requirements, including approved electives, with a "C" or better.

FRESHMAN YEAR		Credit
<b>Fall Semester</b>		
MATH 1400	Pre-Calculus Algebra	4
	Constitutional Requirement	3
ENGL 1010	English I: Composition	3
COSC 1200	Computer Information Systems	3
HMDV 1000	College Studies	1

## Programs of Instruction

PEAC	Approved Activity/ Fitness Course	1
<b>Total</b>		<b>15</b>

<b>Spring Semester</b>		<b>Credit</b>
BIOL 1010	General Biology I	4
ENGL 1020	English II	3
CO/M 1010	Public Speaking	3
PEAC	Approved Activity/ Fitness Course	1
	Agriculture Electives	6
<b>Total</b>		<b>17</b>

### SOPHOMORE YEAR

<b>Fall Semester</b>		<b>Credit</b>
MATH 2350	Business Calculus	4
AGEC 1010	Agricultural Economics I	3
ACCT 1010	Principles of Accounting I	3
	Humanities or Visual, Performing, Fine Arts/ Cultural Awareness	3
	Agriculture Electives	3
<b>Total</b>		<b>16</b>

<b>Spring Semester</b>		<b>Credit</b>
STAT 2050	Fundamentals of Statistics	4
CHEM 1000	Introductory Chemistry	4
ECON 1020	Microeconomics	3
ACCT 1020	Principles of Accounting II	3
AGEC 2395	AG Capstone Project (Outcomes Assessment)	2
<b>Total</b>		<b>16</b>

<b>Approved Agricultural Electives:</b>		
AGEC 2150	Agri-Business Finance	3
ANSC 1010	Livestock Production I	4
REWM 2000	Principles of Range Management	3
CROP 2200	Forage Crop Science	3
AGEC 2350	Agricultural Commodities in Marketing	2
AGEC 2300	Agricultural Marketing	2
AGEC 2020	Farm-Ranch Business Management	3

## AGRICULTURAL ECONOMICS Refer to: Agriculture (General)

### AGRICULTURE

<b>DEGREE</b>	<b>CREDITS</b>
ASSOCIATE OF SCIENCE	
GENERAL AGRICULTURE	64
AGRICULTURE EDUCATION	68
RANGELAND ECOLOGY AND WATERSHED MANAGEMENT	68

### GENERAL AGRICULTURE

The general agricultural curriculum is offered for students who desire basic training in a number of agricultural subjects. It is recommended for training for professions which involve a broad knowledge of agriculture—operators and managers of general farms, county agricultural agents, agricultural writers, and many other types of commercial agricultural positions.

Students must complete all program requirements, including approved electives, with a “C” or better.

### FRESHMAN YEAR

<b>Fall Semester</b>		<b>Credit</b>
ANSC 1210	Beginning Livestock Judging	2
BIOL 1010	General Biology I	4
ANSC 1010	Livestock Production I	4
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
MATH 1400	Pre-Calculus Algebra	4
<b>Total</b>		<b>18</b>

<b>Spring Semester</b>		<b>Credit</b>
CO/M 1010	Public Speaking	3
ENGL 1020	English II	3
STAT 2050	Fundamentals of Statistics	4
PEAC	Approved Activity/ Fitness Course	1
REWM 2000	Principles of Range Management	3
<b>Total</b>		<b>14</b>

### SOPHOMORE YEAR

<b>Fall Semester</b>		<b>Credit</b>
AGEC 1010	Agricultural Economics I	3
AGEC 2010	Farm-Ranch Business Records	3
AGRI 1010	Computers: Agriculture	3
	Constitutional Requirement	3
CHEM 1000	Introductory Chemistry	4

## Programs of Instruction

PEAC	Approved Activity/ Fitness Course	1
<b>Total 17</b>		

<b>Spring Semester</b>		<b>Credit</b>
AGEC 2020	Farm-Ranch Business Management	3
ECON 1020	Microeconomics	3
CHEM 2300	Introductory Organic Chemistry	4
	Cultural Awareness, Humanities or Visual, Performing, Fine Arts	3
AGEC 2395	AG Capstone Project (Outcomes Assessment)	2
<b>Total 15</b>		

### AGRICULTURE EDUCATION

The agriculture education curriculum provides the student with a good preparation for transferring to a bachelor completion program at a four-year institution. It is designed for those interested in teaching in high schools, technical schools, and community colleges. This program emphasizes animal science and general agricultural courses. Education programs vary greatly at four-year institutions so the student should consult the catalog of the college or university of his/her choice for information on specific program requirements.

Students must complete all program requirements including approved electives with a "C" or better.

#### FRESHMAN YEAR

<b>Fall Semester</b>		<b>Credit</b>
EDFD 2020	Foundations of Education	3
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
MATH 1400	Pre-Calculus Algebra	4
PEAC	Approved Activity/ Fitness Course	1
ANSC 1210	Beginning Livestock Judging I	2
BIOL 1010	General Biology I	4
<b>Total 18</b>		

<b>Spring Semester</b>		<b>Credit</b>
ENGL 1020	English II	3
PEAC	Approved Activity/ Fitness Course	1
PSYC 1000	General Psychology	4
	Constitutional Requirement	3
CHEM 1000	Introductory Chemistry	4
	Agriculture Elective	3
<b>Total 18</b>		

#### SOPHOMORE YEAR

<b>Fall Semester</b>		<b>Credit</b>
EDUC 2100	Practicum in Teaching	2
	Humanities	3
AGEC 1010	Agricultural Economics I	3
STAT 2050	Fundamentals of Statistics	4
ANSC 1010	Livestock Production I	4
<b>Total 16</b>		

<b>Spring Semester</b>		<b>Credit</b>
EDEX 2484	Introduction to Special Education	3
	Cultural Awareness	3
ITEC 2360	Teaching with Microcomputers or AGRI 1010	3
CO/M 1010	Public Speaking	3
PSYC 2300	Developmental Psychology	3
EDFD 2451	Life Span-Adulthood	1
<b>Total 16</b>		

### RANGELAND ECOLOGY AND WATERSHED MANAGEMENT

Rangeland is a fundamental, renewable natural resource. Throughout the western U.S., it offers a wide-range of opportunities for the multiple uses of livestock and wildlife grazing, recreation, water production and natural beauty. The rangeland ecology and watershed management curriculum is designed for students wishing to study ecology, utilization and management of rangelands and wildland watersheds, and related resources including forestry, recreation, wildlife management, soil science, botany and zoology. The curriculum is designed so that students can transfer to four-year institutions and prepare for careers in natural resource management as Range Conservationists, Soil Conservationists, and Range or Forest Hydrologists.

Students must complete all program requirements, including approved electives, with a "C" or better.

#### FRESHMAN YEAR

<b>Fall Semester</b>		<b>Credit</b>
BIOL 1010	General Biology I	4
CHEM 1000	Introductory Chemistry	4
ENGL 1010	English I: Composition	3
MATH 1000	Problem Solving	3
REWM 2500	Rangeland Plant Identification	2
HMDV 1000	College Studies	1
PEAC	Approved Activity/ Fitness Course	1
<b>Total 18</b>		

## Programs of Instruction

<b>Spring Semester</b>	<b>Credit</b>
Constitutional Requirement	3
CO/M 1010 Public Speaking	3
REWM 1300 Introduction to Water Resources	3
REWM 2000 Principles of Range Management	3
ENGL 1020 English II	3
PEAC Approved Activity/ Fitness Course	1
<b>Total 16</b>	

### SOPHOMORE YEAR

<b>Fall Semester</b>	<b>Credit</b>
AGEC 1010 Agricultural Economics I	3
BIOL 2415 Ecology and Field Biology	4
ZOO 2450 Principles of Fish and Wildlife Management	3
Social Science	3
Cultural Awareness	3
CMAP 1765 Spreadsheet Applications: EXCEL	2
<b>Total 18</b>	

<b>Spring Semester</b>	<b>Credit</b>
STAT 2050 Fundamentals of Statistics	4
BOT 2100 Forest Management	3
SOIL 2200 Applied Soils	3
CROP 2200 Forage Crop Science	3
HMDV 2000 Sophomore Project (Outcomes Assessment)	3
<b>Total 16</b>	

## ANIMAL SCIENCE

<b>DEGREE:</b>	<b>CREDITS</b>
ASSOCIATE OF SCIENCE	66

The recommended courses listed below are designed to transfer to the University of Wyoming College of Agriculture, Animal Science Production option. Other colleges or universities may have other requirements and students should work with their EWC advisors to plan for other college requirements.

Students must complete all program requirements including approved electives with a "C" or better.

<b>FRESHMAN YEAR</b>		<b>Credit</b>
<b>Fall Semester</b>		
AGRI 1010 Computers: Agriculture		3
BIOL 1010 General Biology I		4
ENGL 1010 English I: Composition		3
HMDV 1000 College Studies		1
MATH 1400 Pre-Calculus Algebra		4
PEAC Approved Activity/ Fitness Course		1
<b>Total 16</b>		

<b>Spring Semester</b>	<b>Credit</b>
BIOL 2020 General Biology II	4
CO/M 1010 Public Speaking	3
ENGL 1020 English II	3
PEAC Approved Activity/ Fitness Course	1
Approved Agriculture Electives	6
<b>Total 17</b>	

### SOPHOMORE YEAR

<b>Fall Semester</b>	<b>Credit</b>
AGEC 1010 Agricultural Economics I	3
ANSC 1010 Livestock Production I	4
CHEM 1000 Introductory Chemistry	4
Constitutional Requirement	3
Approved Agriculture Electives	3
<b>Total 17</b>	

<b>Spring Semester</b>	<b>Credit</b>
STAT 2050 Fundamentals of Statistics	4
CHEM 2300 Introductory Organic Chemistry	4
Cultural Awareness	3
Humanities or Visual, Performing, Fine Arts	3
AGEC 2395 AG Capstone Project (Outcomes Assessment)	2
<b>Total 16</b>	

## Programs of Instruction

### ART

**DEGREE:** **CREDITS**  
 ASSOCIATE OF ARTS 68-69

Students must complete all program requirements, including approved electives, with a grade of C or better.

#### FRESHMAN YEAR

Fall Semester		Credit
ART 1050	Beginning Drawing	3
ART 1110	Foundation: Two Dimensional	3
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
PEAC	Approved Activity/ Fitness Course	1
	Humanities	3
	Lab Science	4
<b>Total 18</b>		

Spring Semester		Credit
ART 1130	Foundation: Color Theory	3
ART 2210	Beginning Painting	3
ART 1310	Sculpture I	3
ENGL 1020	English II	3
	Constitutional Requirement	3
	Approved Elective	3
<b>Total 18</b>		

#### SOPHOMORE YEAR

Fall Semester		Credit
ART 2410	Ceramics I	3
ART 2010	Art History I	3
CO/M 1010	Public Speaking	3
MATH 1000 or MATH 1400	Problem Solving Pre-Calculus Algebra	3-4
PEAC	Approved Activity/ Fitness Course	1
HIST 1110	Western Civilization I (or II Spring) or Approved Elective	3
<b>Total 16-17</b>		

Spring Semester		Credit
ART 2020	Art History II	3
PSYC 1000	General Psychology	4
HIST 1120	Western Civilization II (or I Fall) or Approved Elective	3
	Cultural Awareness	3
	Art Elective	3
	Outcomes Assessment: Exhibition/Demonstration	
<b>Total 16</b>		

#### Art Electives:

ART 1060	Drawing II	3
ART 2220	Painting II	3
ART 2420	Ceramics II	3
ART 1250	Water Based Media I	3
ART 1179	Adobe Photoshop I	3

#### Approved Electives:

MUSC 1000	Introduction to Music	3
SOC 1000	Sociological Principles	3
WELD 1700	General Welding	3
ENGL 2210	English Literature I	3
ENGL 2220	English Literature II	3
ENGL 2310	American Literature I	3
ENGL 2320	American Literature II	3
RELI 1000	Introduction to Religion	3
ANTH 1100	Intro to Physical Anth	3
ANTH 1200	Intro to Cultural Anth	3
G&R 1000	Introduction to Geography	3
G&R 1030	Introduction to World Regional Geography	3
PHIL 1000	Introduction to Philosophy	3
MUSC 2050	Music History Survey I	3
MUSC 2055	Music History Survey II	3

### BIOLOGY

**DEGREE:** **CREDITS**  
 ASSOCIATE OF SCIENCE 67-71  
 BIOLOGY 66-67  
 ENVIRONMENTAL SCIENCE

### BIOLOGY

The Biology major is a transfer program designed for students interested in training in the biological sciences. It enables students to combine courses in biology, botany, zoology, and molecular biology to meet specific interests.

Students must complete all program requirements including approved electives with a "C" or better.

#### FRESHMAN YEAR

Fall Semester		Credit
BIOL 1010	General Biology I	4
CHEM 1020	General Chemistry I	4
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
MATH 1400	Pre-Calculus Algebra	4
<b>Total 16</b>		

Spring Semester		Credit
BIOL 2020	General Biology II	4
CHEM 1030	General Chemistry II	4
ENGL 1020	English II	3
MATH 1405	Pre-Calculus	

## Programs of Instruction

PEAC	Trigonometry	3
	Approved Activity/ Fitness Course	1
	Social Science	3
<b>Total</b>		<b>18</b>

### SOPHOMORE YEAR

Fall Semester		Credit
BIOL 2415	Ecology and Field Biology	4
MOLB 2210	General Microbiology	4
CMAP 1765	Spreadsheet Applications II: Microsoft Excel	2-3
or COSC 1200	Computer Information Systems	
	*Approved Electives	7-8
<b>Total</b>		<b>17-19</b>

Spring Semester		Credit
PEAC	Approved Activity/ Fitness Course	1
	Constitutional Requirement	3
	Cultural Awareness	3
	Humanities or Visual, Performing, Fine Arts	3
	*Approved Electives	6-8
	Outcomes Assessment: Departmental Exam	
<b>Total</b>		<b>16-18</b>

#### \*Approved Electives:

BIOL 1080	Environmental Science	3
BIOL 2200	Genetics	3
BOT 2100	Forest Management	3
BOT 2120	Plant Taxonomy	4
CHEM 2320	Organic Chemistry I	4
CHEM 2340	Organic Chemistry II	4
GEOL 1100	Physical Geology	4
MOLB 2220	Pathogenic Microbiology	4
PHYS 1110	General Physics I	4
PHYS 1120	General Physics II	4
SPAN 1010	1st Year Spanish I	4
ZOO 2015	Human Anatomy	4
ZOO 2025	Human Physiology	4
ZOO 2400	Vertebrate Natural History	4
ZOO 2450	Principles of Fish and Wildlife Management	3

## ENVIRONMENTAL SCIENCE

The Environmental Science option provides students with a strong foundation to pursue academic transfer programs in Environmental Engineering, Environmental Quality, or Environmental Protection. The program will help prepare students for careers with state and federal agencies or the private sector.

Students must complete all program requirements including approved electives with a "C" or better.

### FRESHMAN YEAR

Fall Semester		Credit
BIOL 1010	General Biology I	4
CHEM 1020	General Chemistry I	4
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
MATH 1400	Pre-Calculus Algebra	4
PEAC	Approved Activity/ Fitness Course	1
<b>Total</b>		<b>17</b>

Spring Semester		Credit
CHEM 1030	General Chemistry II	4
ENGL 1020	English II	3
MATH 1405	Pre-Calculus Trigonometry	3
	Constitutional Requirement	3
PEAC	Approved Activity/ Fitness Course	1
	Global Studies	3
<b>Total</b>		<b>17</b>

### SOPHOMORE YEAR

Fall Semester		Credit
BIOL 2415	Ecology and Field Biology	4
CMAP 1765	Spreadsheet Applications II: Microsoft Excel	2-3
or COSC 1200	Computer Information Systems	
PHYS 1110	General Physics I	4
SOIL 2200	Applied Soils	3
GEOL 1100	Physical Geology	
or GEOL 1200	Historical Geology	4
<b>Total</b>		<b>17-18</b>

Spring Semester		Credit
BIOL 1080	Environmental Science	3
STAT 2050	Fundamentals of Statistics	4
	Humanities or Visual, Performing Fine Arts	3
REWM 2000	Principles of Range Mgmt	3
or BOT 2100	Forest Management Social Science	3
	Outcomes Assessment: Departmental Exam	
<b>Total</b>		<b>16</b>

## Programs of Instruction

### BUSINESS ADMINISTRATION

<b>DEGREES:</b>	<b>CREDITS</b>
ASSOCIATE OF SCIENCE	64
ASSOCIATE OF APPLIED SCIENCE	64

### ASSOCIATE OF SCIENCE

The suggested program in accounting/business administration allows the student to earn an Associate of Science Degree while completing the first two years of college work toward a bachelor's degree. Those majoring in accounting, marketing, management, finance or other specific areas of business generally take the same courses during the first two years.

Students must complete all program requirements, including approved electives, with a "C" or better.

#### FRESHMAN YEAR

Fall Semester		Credit
ACCT 1010	Principles of Accounting I	3
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
or HMDV 1020	Orientation to Distance Learning	
	Constitutional Requirement	3
PEAC	Approved Activity/ Fitness Course	1
MATH 1400	Pre-Calculus Algebra	4
<b>Total</b>		<b>15</b>

Spring Semester		Credit
ACCT 1020	Principles of Accounting II	3
ENGL 1020	English II	3
STAT 2050	Fundamentals of Statistics	4
PEAC	Approved Activity/ Fitness Course	1
	Lab Science	4
<b>Total</b>		<b>15</b>

#### SOPHOMORE YEAR

Fall Semester		Credit
ECON 1010	Macroeconomics	3
MATH 2350	Business Calculus	4
CO/M 1010	Public Speaking	3
ACCT 2450	Cost Accounting	3
MKT 2100	Principles of Marketing	3
	*Approved Electives	2
<b>Total</b>		<b>18</b>

Spring Semester		Credit
ECON 1020	Microeconomics	3
BADM 2010	Business Law I	3
MATH 2355	Mathematical Applications for Business	4

IMGT 2400	Introduction to Information Management	3
	*Approved Electives	3
	Outcomes Assessment: Departmental Exam and Core Competency Evaluation	
<b>Total</b>		<b>16</b>

**\*Approved Electives:** Any course at the 1000 or above level.

### ASSOCIATE OF APPLIED SCIENCE

The purpose of this flexible program is to provide an individual with entry level business skills. It emphasizes the accounting, office management, and computer areas. It is designed for the student who does not intend to transfer to another college to earn a bachelor's degree. In addition to fulfilling the requirements for the Associate of Applied Science Degree, a grade of "C" or better must be received in each of the required courses, including electives.

#### FRESHMAN YEAR

Fall Semester		Credit
**ACCT 1050	Practical Accounting I	2
BADM 1000	Introduction to Business	3
CMA 1610	Windows:	1
HMDV 1000	College Studies	1
ENGL 1010	English I: Composition	3
	*Approved Electives	6
<b>Total</b>		<b>16</b>

Spring Semester		Credit
ACCT 1060	Practical Accounting II	2
BADM 1005	Business Mathematics I	3
CMA 1700	Word Processing: WordPerfect	
or CMA 1715	Word Processing: Microsoft Word	2
	Constitutional Requirement	3
	*Approved Electives	6
<b>Total</b>		<b>16</b>

#### SOPHOMORE YEAR

Fall Semester		Credit
BADM 1020	Business Communications	3
BOTK 2750	Records & Information Management	3
CMA 1900	Integrated Applications: MS Office	2
ECON 1010	Macroeconomics	3
INET 1580	Web Page Authoring	1
	*Approved Electives	4
<b>Total</b>		<b>16</b>

## Programs of Instruction

Spring Semester	Credit
ACCT 2110 Microcomputer Accounting I	2
BOTK 1970 Occupational Internship I	3
BADM 2395 Business Office Capstone	3
CMAF 1765 Spreadsheet Applications	
II: Excel	2
*Approved Electives	6
Outcomes Assessment: Electronic Portfolio	
<b>Total</b>	<b>16</b>

**\*Approved Electives:** Any course at the 1000 or above level.  
**\*\* ACCT 1010** may be taken in place of ACCT 1050 and ACCT 1060.

### BUSINESS EDUCATION

DEGREE	CREDITS
ASSOCIATE OF SCIENCE	64-65

This program offers many of the education courses required for business education majors as well as office and computer skills necessary for employment in a business office. The program is designed for the student wishing to transfer after two years to complete a teaching degree in business education at a four-year institution. Education programs vary greatly at four-year institutions, so students should consult the catalog of the college or university of their choice for information on the specific requirements of that institution.

Students must complete all program requirements, including approved electives, with a "C" or better.

FRESHMAN YEAR	
Fall Semester	Credit
ECON 1010 Macroeconomics	3
EDFD 2020 Foundations of Education	3
ENGL 1010 English I: Composition	3
HMDV 1000 College Studies	1
MATH 1400 Pre-Calculus Algebra	4
PSYC 1000 General Psychology	4
<b>Total</b>	<b>18</b>
Spring Semester	
Fall Semester	Credit
EDFD 2100 Educational Psychology	3
ITEC 2360 Teaching with Microcomputers	3
EDUC 2100 Practicum in Teaching	2-3
PEAC Approved Activity/ Fitness Course	1
Cultural Awareness	3

Visual, Performing, Fine Arts	3
<b>Total</b>	<b>15-16</b>

### SOPHOMORE YEAR

Fall Semester	Credit
ACCT 1010 Principles of Accounting I	3
Constitutional Requirement	3
MKT 2100 Principles of Marketing	3
PEAC Approved Activity/ Fitness Course	1
Lab Science	4
*Approved Electives	3
<b>Total</b>	<b>17</b>

Spring Semester	Credit
ACCT 1020 Principles of Accounting II	3
HLED 1221 Standard First Aid & Safety	2
BADM 2010 Business Law I	3
ENGL 1020 English II Humanities	3
Outcomes Assessment: Portfolio	
<b>Total</b>	<b>14</b>

\*Approved Electives: Any course at the 1000 or above level.

### BUSINESS OFFICE TECHNOLOGY

DEGREE	CREDITS
ASSOCIATE OF APPLIED SCIENCE	64
CERTIFICATE	32

### ASSOCIATE OF APPLIED SCIENCE- BUSINESS OFFICE TECHNOLOGY

This program is an expanded coverage of the certificate program to allow students the opportunity to learn skills in the fields of accounting, and written and oral communications necessary for success in the business field. Students who complete one of the options for the Business Office Technology program will be able to transfer all of the coursework towards this A.A.S. degree.

Students must complete all program requirements, including approved electives, with a "C" or better.

FRESHMAN YEAR	
Fall Semester	Credit
BOTK 1645 Keyboarding Office Documents	3

## Programs of Instruction

TECH 1005 or Applied Technical Writing	3
Or ENGL 1010 English I: Composition	
CMAP 1715 Word Processing:	
MS Word	2
HMDV 1000 College Studies	1
BOTK 2750 Records and Information	
Management	3
INET 1580 Web Page Authoring	2
*Approved Electives	2

**Total 16**

Spring Semester	Credit
CMAP 1765 Spreadsheet Applications II:	
MS Excel	2
BOTK 1510 Office Skills and Services	3
BADM 1005 Business Mathematics I	3
CMAP 2630 Presentation Graphics:	
PowerPoint	1
BOTK 1970 Occupational Internship I	2
INET 1590 Web Page Design:	3
*Approved Electives	2

**Total 16**

### SOPHOMORE YEAR

Fall Semester	Credit
ACCT 1050 Practical Accounting I	2
BADM 1020 Business Communications	3
CO/M 1010 Public Speaking	3
Constitutional Requirement	3
*Approved Electives	5

**Total 16**

Spring Semester	Credit
ACCT 1060 Practical Accounting II	2
BOTK 2970 Occupational Internship II	3
BADM 2395 Business Office Capstone	3
*Approved Electives	8
Outcomes Assessment:	
Electronic Portfolio	

**Total 16**

\*For Associate of Applied Science—Business Office Technology approved electives: Eight (8) must be from approved business electives and five (5) can be general electives. Approved business electives may be from Computer Applications (CMAP), Business Office Technology (BOTK), Accounting (ACCT), Business Administration (BADM), Management (MGT), Economics (ECON), Computer Science (COSC), or Marketing (MKT).

### CERTIFICATE- BUSINESS OFFICE TECHNOLOGY

This program provides basic training in computer applications, business communication skills, and general office procedures. It is designed to compliment the Business Office Technology program because graduates may continue their studies to receive an Associate of Applied Science degree in Business Office Technology.

Students must complete all program requirements, including approved electives, with a “C” or better.

### FRESHMAN YEAR

Fall Semester	Credit
BOTK 1645 Keyboarding Office	
Documents	3
TECH 1005 Applied Technical Writing	3
or ENGL 1010 English I: Composition	
CMAP 1715 Word Processing:	
MS Word	2
HMDV 1000 College Studies	1
BOTK 2750 Records and Information	
Management	3
INET 1580 Web Page Authoring	2
Approved Electives	2

**Total 16**

Spring Semester	Credit
CMAP 1765 Spreadsheet Applications	
II: MS Excel	2
BOTK 1510 Office Skills and Services	3
BADM 1005 Business Mathematics I	3
CMAP 2630 Presentation Graphics:	
PowerPoint	1
BOTK 1970 Occupational Internship I:	2
INET 1590 Web Page Design	3
Approved Electives	2
Outcomes Assessment:	
Electronic Portfolio	

**Total 16**

## Programs of Instruction

### COMMUNICATION

DEGREE: CREDITS  
ASSOCIATE OF ARTS 65-68

Because there are so many possible majors within the field of communication, individual programs of study should be tailored to the student's specific interest and to the requirements of the college or university to which the student plans to transfer. General programs that are available for concentration include: Interpersonal Communication, Public Address, and Speech Pathology. Students who plan to become teachers should also consult the program for Secondary Education. While this is not a degree in journalism, students wishing to major in journalism should consult transfer programs and advisors for appropriate additional courses. The program shown below is particularly appropriate for liberal arts students planning to transfer to the University of Wyoming.

Students must complete all program requirements, including electives, with a grade of "C" or better.

#### FRESHMAN YEAR

Fall Semester	Credit	
ENGL 1010	English I: Composition	3
FREN 1010	1st Year French I	4
or SPAN 1010	1st Year Spanish I	
HMDV 1000	College Studies	1
MATH 1000	Problem Solving	3-4
or MATH 1400	Pre-Calculus Algebra	
SOC 1000	Sociological Principles	3
	*Approved Elective	3
<b>Total</b>		<b>17-18</b>

Spring Semester	Credit	
CO/M 1040	Intro to Human Communication	3
ENGL 1020	English II	3
FREN 1020	1st Year French II	4
or SPAN 1020	1st Year Spanish II	
	Constitutional Requirement	3
	Lab Science	4
<b>Total</b>		<b>17</b>

#### SOPHOMORE YEAR

Fall Semester	Credit	
CO/M 1030	Interpersonal Communication	3
COSC	Computer Elective	1-3
or CMAP		
PEAC	Approved Activity/ Fitness Course	1

PSYC 1000	General Psychology	4
	*Approved Electives	6
<b>Total</b>		<b>15-17</b>

Spring Semester	Credit	
CO/M 1010	Public Speaking	3
PEAC	Approved Activity/ Fitness Course	1
	*Approved Electives	6
	Cultural Awareness	3
	Humanities	3
CO/M 2395	Social Science Capstone Experience	
<b>Total</b>		<b>16</b>

#### \*Approved CO/M Electives:

ANTH 1100	Introduction to Physical Anthropology
ANTH 1200	Introduction to Cultural Anthropology
ART 1010	Introduction to Art
ART 2010	Art History I
ART 2020	Art History II
CO/M 2100	Reporting and Newswriting I
ENGL 2210	English Literature I
ENGL 2220	English Literature II
ENGL 2310	American Literature I
ENGL 2320	American Literature II
HIST 1110	Western Civilization I
HIST 1120	Western Civilization II
JOUR 1010	Publication Production I
MUSC 1000	Introduction to Music
MUSC 2015	Introduction to the Music of the World's Peoples
PHIL 1000	Introduction to Philosophy
PSYC 2330	Psychology of Adjustment
RELI 1000	Introduction to Religion

## Programs of Instruction

### COMPUTER SCIENCE

<b>DEGREE:</b>	<b>CREDITS</b>
CERTIFICATE-INFORMATION SUPPORT SPECIALIST	31
ASSOCIATE OF APPLIED SCIENCE-COMPUTER INFORMATION SYSTEMS	64
CERTIFICATE-WEB DESIGN	30
ASSOCIATE OF APPLIED SCIENCE-WEB DESIGN	62

### CERTIFICATE-INFORMATION SUPPORT SPECIALIST

The Information Support Specialist (ISS) certificate program will prepare graduates with the knowledge, skills, experience, and certifications necessary for a career in Information Technologies. Through on-line curricula, lab simulations and occupational internships, students will gain experience in computer hardware and software, local area and wide area networking technologies, wireless technologies, web page authoring, and soft skills as a remote support specialist. This program is designed to transition into the Computer Information Systems A.A.S. degree, or directly into the workforce. It is designed to be completed in two semesters.

Students must complete all program requirements, including approved electives, with a “C” or better.

Fall Semester		Credit
COSC 1200	Computer Information Systems	3
TECH 1005	Applied Technical Writing	3
or ENGL 1010	English I:Composition	
CMAP 1625	Introduction to OS and Hardware	4
INET 1580	World Wide Web Authoring	2
CMAP 1650	Local Area Networks I	3
HMDV 1000	College Studies	1
<b>Total 16</b>		
Spring Semester		Credit
CMAP 1995	Certification Preparation	2
CMAP 1930	LAN Wiring and Network Technologies	3

BADM 1005	Business Mathematics	3
or MATH 1000	Problem Solving	
CMAP 1940	LAN Server Installation and Configuration	4
CMAP 1970	Occupational Internship	3
	Outcomes Assessment: CompTIA A+ Exam and Cisco Certified Entry Network Technician (CCENT) Exam	

**Total 15**

Approved electives for Certificate-Information Support Specialist:  
Any 1000 or higher level course in COSC (Computer Science), CMAP (Computer Applications), and/or INET (Internet).

### ASSOCIATE OF APPLIED SCIENCE-COMPUTER INFORMATION SYSTEMS

The Computer Information Systems A.A.S. program will prepare graduates for a professional career in Information Technologies. Through on-line curricula, hands-on lab activities, and occupational internships, students will gain experience in computer hardware and software, local area and wide area networking technologies, wireless technologies, web page authoring, database management, computer programming and game design, security, network design and sustainability, communication skills, and soft skills as a remote support technician. This program is designed to be completed in four semesters.

Students must complete all program requirements, including electives, with a “C” or better.

Freshman Year		Credit
Fall Semester		Credit
COSC 1200	Computer Information Systems	3
TECH 1005	Applied Technical Writing	3
or ENGL 1010	English I: Composition	
CMAP 1625	Introduction to OS and Hardware	4
INET 1580	World Wide Web Authoring	2
CMAP 1650	Local Area Networks I	3
HMDV 1000	College Studies	1
<b>Total 16</b>		
Spring Semester		Credit
INET 1590	Web Page Design	3
CMAP 1930	LAN Wiring and Network Technologies	3
BADM 1005	Business Mathematics	3
or MATH 1000	Problem Solving	

## Programs of Instruction

CMAP 1940	LAN Server Installation and Configuration	4
CMAP 1970	Occupational Internship Electives	2 1

**Total 16**

### Sophomore Year

Fall Semester		Credit
COSC 1010	Intro to Computer Science I	4
BADM 1020	Business Communications	3
	Constitutional Requirement	3
CMAP 1955	LAN Design & Implementation	3
CMAP 1800	Database Applications I	2
	Electives	2

**Total 17**

Spring Semester		Credit
COSC 1030	Computer Science I, Programming with C ++	4
CMAP 1995	Certification Preparation	2
CMAP 2720	Systems Management	3
CMAP 2970	Occupational Internship	6

**Total 15**

### CERTIFICATE -WEB DESIGN

This certificate program is designed to prepare students for entry-level positions in the Information Technology (IT) industry with emphasis in Web Design.

Fall Semester		Credit
ART 1110	Foundation: Two-Dimensional	3
ART 1179	Photoshop I	3
CMAP 1715	Word Processing: MS Word	2
HMDV 1000	College Studies	1
INET 1510	Web Site Analysis	1
INET 1580	Web Page Authoring	2
	*Approved Electives	3

**Total 15**

Spring Semester		Credit
ART 2145	Digital Photography	3
CMAP 1850	Desktop Publishing	3
TECH 1005 or ENGL 1010	Applied Technical Writing English I: Composition	3
INET 1590	Web Page Design	3
INET 1700	Web Site Usability & Management	2
	*Approved Elective	1
	Outcomes Assessment: Capstone Web Page	1

**Total 15**

\*Approved Electives: Any course at the 1000 or above level.

### ASSOCIATE OF APPLIED SCIENCE- WEB DESIGN

The Web Design Associate of Applied Science degree is designed for students who have completed the Web Design Certificate program and desire to obtain advanced study and skills. The emphasis of the program is on graphics and layout, programming, an database-driven Web sites.

#### Freshman Year

Fall Semester		Credits
ART 1110	Foundation: Two-Dimensional	3
ART 1179	Photoshop I	3
CMAP 1715	Word Processing: MS Word	2
HMDV 1000	College Studies	1
INET 1510	Web Site Analysis	1
INET 1580	Web Page Authoring	2
	*Approved Electives	3

**Total 15**

Spring Semester		Credits
ART 2145	Digital Photography	3
CMAP 1850	Desktop Publishing	3
ENGL 1010 or TECH 1005	English I: Composition Applied Technical Writing	3
INET 1590	Web Page Design	3
INET 1700	Web Site Usability & Management	3
	Outcomes Assessment: Personal Web Page	1

**Total 15**

#### Sophomore Year

Fall Semester		Credits
CMAP 1800	Database Applications I: Access	2
COSC 1010	Intro to Computer Science	4
	Constitutional Requirement	3
MATH 1000	Problem Solving	3
MKT 2100	Principles of Marketing	3
	*Approved Electives	1

**Total 16**

Spring Semester		Credits
INET 1610	Dynamic Web Graphics	3
INET 2010	Database Driven Web Sites	3
INET 2620	Designing Effective Web Sites	4
	*Approved Electives	6

**Total 16**

\*Approved Electives: Any course at the 1000 or above level.

## Programs of Instruction

### CONSTRUCTION TECHNOLOGY

DEGREE	CREDITS
ASSOCIATE OF APPLIED SCIENCE	67
CERTIFICATE	38

The A.A.S. degree program allows students who have completed the Construction Technology certificate to further their general education. It provides the necessary preparation for students to transfer to a college or university that offers a Bachelor of Applied Science (B.A.S.) degree.

#### Freshman Year

Fall Semester	Credits
CNTK 1510 Safety and Tools in Construction	3
CNTK 1520 Residential Blueprint Reading	3
CNTK 1530 Site Preparation	3
CNTK 1540 Foundation Systems	3
<b>Total 12</b>	

Spring Semester	Credits
CNTK 1650 Framing: Floor and Stairs	2
CNTK 1652 Framing: Walls, Windows And Exterior Doors	2
CNTK 1654 Framing: Walls, Roof	2
CNTK 1550 Concrete Flatwork	2
CNTK 1658 Exterior: Siding, Trim, and Finishes	2
CNTK 1760 Mechanical Systems: Heating	2
CNTK 1764 Mechanical System: Electrical	2
<b>Total 14</b>	

Summer Semester	Credits
CNTK 1880 Interior: Drywall Applications	2
CNTK 1882 Interior: Taping, Mudding, and Texturing	2
CNTK 1884 Interior: Painting and Wallpaper	2
CNTK 1920 Interior Trim: Closets	2
CNTK 1924 Interior Trim: Cabinets	2
CNTK 1926 Interior Trim: Moldings	2
<b>Total 12</b>	

#### Sophomore Year

Fall Semester	Credits
HMDV 1000 College Studies	1
CO/M 1010 Public Speaking	3
	Constitutional Requirement 3
ACCT 1050 Practical Accounting	2
ENGL 1010 English I: Composition	3
PEAC Approved Activity/ Fitness Course	1

ENTK 2500 Computer Aided Drafting I	1
<b>Total 14</b>	

#### Spring Semester

ENGL 1020 English II	3
MATH 1000 Problem Solving	3
SOC 1000 Sociology Principles	3
	Lab Science 4
ACCT 1060 Practical Accounting II	2
	Outcomes Assessment: Construction Journal, CAAP Test
<b>Total 15</b>	

### CERTIFICATE -CONSTRUCTION TECHNOLOGY

The Technical Certificate for Construction Technology is an 11 month, open entry/exit program designed to prepare students for employment in residential home building. This is a three semester certificate program. Students will learn all phases of the latest cutting edge technologies. The courses are hands on, on site, and taught by highly qualified and educated instructors/contractors. This certificate program is designed for students to enter the world of work or to further their education.

Fall Semester	Credit
CNTK 1510 Safety & Tools in Construction	3
CNTK 1520 Residential Blueprint Reading	3
CNTK 1530 Site Preparation	3
CNTK 1540 Foundation Systems	3
<b>Total 12</b>	

Spring Semester	Credit
CNTK 1650 Framing: Floor and Stairs	2
CNTK 1652 Framing: Walls, Windows, and Exterior Doors	2
CNTK 1654 Framing: Walls, Roof	2
CNTK 1550 Concrete Flatwork	2
CNTK 1658 Exterior: Siding, Trim and Finishes	2
CNTK 1760 Mechanical Systems: Heating	2
CNTK 1764 Mechanical Systems: Electrical	2
<b>Total 14</b>	

Summer Semester	Credit
CNTK 1880 Interior: Drywall Appls	2
CNTK 1882 Interior: Taping, Mudding, and Texturing	2
CNTK 1884 Interior: Painting & Wallpaper	2
CNTK 1920 Interior Trim: Closets	2
CNTK 1924 Interior Trim: Cabinets	2
CNTK 1926 Interior Trim: Moldings	2
	Outcomes Assessment: Construction Journal
<b>Total 12</b>	

## Programs of Instruction

### COSMETOLOGY

**DEGREE** **CREDITS**  
 ASSOCIATE OF APPLIED SCIENCE 66-84

Other Options:

HAIR TECHNICIAN CERTIFICATE 30  
 NAIL TECHNICIAN CERTIFICATE 18  
 SKIN TECHNICIAN CERTIFICATE 25

### ASSOCIATE OF APPLIED SCIENCE- COSMETOLOGY

The cosmetology program includes not only the 2000 hours of cosmetology course work as required by Wyoming law, but additional studies to broaden the scope of opportunities in the field. Graduates of this program should possess a salable skill and be prepared to take the national examination for entry into the field of cosmetology. In addition to fulfilling the requirements for the Associate of Applied Science Degree, a grade of C or better must be received in all courses taken in cosmetology.

Students must complete all program requirements, including approved electives, with a "C" or better.

#### Freshman Year

Fall Semester		Credit
CSMO 1000	Intro to Nail Technology	6
CSMO 1550	General Cosmetology Science	3
CSMO 1020	Intro to Hair Technology	4
CSMO 1075	Pre-Clinic Assessment	1
CMAF 1610	Windows:	1
HMDV 1000	College Studies	1
<b>Total 16</b>		

Spring Semester		Credit
CSMO 1400	Cosmetology Lab I	1
CSMO 1405	Cosmetology Lab II	1
CSMO 1010	Intro to Skin Technology	6
CSMO 1500	Clinical Applications I	5
CSMO 1505	Clinical Applications II	4
ENGL 1010	English I:Composition	3
or TECH 1005	Applied Technical Writing	
<b>Total 20</b>		

#### Sophomore Year

Fall Semester		Credit
CSMO 1410	Cosmetology Lab III	1
CSMO 1415	Cosmetology Lab IV	1
CSMO 1560	Skin & Nail Technology	2
CSMO 1510	Clinical Applications III	5
CSMO 1515	Clinical Applications IV	5

BADM 1005 Business Mathematics I 3  
 or MATH 1515 Applied Technical Math  
**Total 17**

Spring Semester		Credit
CSMO 1420	Cosmetology Lab V	1-2
CSMO 1520	Clinical Applications V	5
CSMO 1525	Clinical Applications VI	1-5
CSMO 1570	Assessment Overview	2
CSMO 1430	Cosmetology Mentorship	1
CSMO 1575	Post Cosmetology Assessment 1	
	Constitutional Requirement 2-3	
<b>Total 13-19</b>		

#### Summer Option

CSMO 1530	Clinical Applications VII	1
CSMO 1535	Clinical Applications VIII	5
CSMO 1425	Techniques in Cosmetology	6
<b>Total 12</b>		

### HAIR TECHNICIAN CERTIFICATE

The Hair Technology Certificate is designed for the student who only desires education/training in the area of hair and its designs. This program begins in the spring semester **only** and is completed the following fall semester. Completion of this program prepares the student for national testing in the area of hair technology. Students must complete all program requirements with a grade of "C" or better.

Spring Semester		Credit
CSMO 1020	Intro to Hair Technology	4
CSMO 1550	General Cosmetology Science	3
CSMO 1405	Cosmetology Lab II	1
CSMO 1505	Clinical Applications II	4
<b>Total 12</b>		

Summer Semester		Credit
CSMO 1530	Clinical Applications VII	1
CSMO 1535	Clinical Applications VIII	5
<b>Total 6</b>		

Fall Semester		Credit
CSMO 1510	Clinical Applications III	5
CSMO 1515	Clinical Applications IV	5
CSMO 1370	Hair Assessment Overview	1
CSMO 1375	Hair Technician Assessment	1
<b>Total 12</b>		

## Programs of Instruction

### SKIN TECHNICIAN CERTIFICATE

This course will prepare the student for a career in the diversified area of skin care. This program begins in the spring semester **only** and is completed during the summer semester. The extensive training will also prepare the student for national testing in the area of skin care.

Students must complete all program requirements with a grade of "C" or better.

Spring Semester	Credit
CSMO 1010 Intro to Skin Technology	6
CSMO 1015 Skin Technology Lab	1
CSMO 1550 General Cosmetology Science	3
CSMO 1210 Esthetic Concepts I	4
CSMO 1215 Esthetic Clinicals I	4
<b>Total 18</b>	

Summer Semester	Credit
CSMO 1220 Esthetics Concepts II	3
CSMO 1225 Esthetics Clinical II	3
CSMO 1275 Esthetics Assessment	1
<b>Total 7</b>	

### NAIL TECHNICIAN CERTIFICATE

The Nail Technician Certificate is designed to train the student for an entry-level job in a high demand area of Cosmetology. It will also prepare the student for national testing in the area of nail technology. Students must complete all program requirements with a grade of "C" or better.

Fall Semester	Credit
CSMO 1000 Intro to Nail Technology	6
CSMO 1550 General Cosmetology Science	3
CSMO 1560 Skin and Nail Technology	2
CSMO 1100 Nail Technician Cosmetology I	6
CSMO 1175 Nail Technician Assessment	1
<b>Total 18</b>	

### CRIMINAL JUSTICE

DEGREE	CREDITS
ASSOCIATE OF ARTS- LAW ENFORCEMENT EMPHASIS	68
ASSOCIATE OF ARTS- CORRECTIONS EMPHASIS	66
ASSOCIATE OF APPLIED SCIENCE CORRECTIONS CERTIFICATE	66-67 32-33

### ASSOCIATE OF ARTS- CRIMINAL JUSTICE LAW ENFORCEMENT EMPHASIS

This program option is designed for the criminal justice student who is seeking a career in law enforcement. It may be used as a terminal degree or taken as preparation for transfer to a four-year program. Employment may be found in local, county, state, and federal law enforcement agencies.

Students must complete all program requirements, including approved electives, with a grade of "C" or better.

FRESHMAN YEAR		
Fall Semester		Credit
CRMJ 2120	Intro to Criminal Justice	3
CRMJ 2350	Introduction to Corrections II/I	3
SOC 1000	Sociological Principles Lab Science	3 4
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
<b>Total 17</b>		

Spring Semester		Credit
CRMJ 2550	Criminal Investigation I	3
CRMJ 2420	Juvenile Justice	3
CRMJ 2210	Criminal Law I	3
ENGL 1020	English II	3
MATH 1000	Problem Solving	3
PEAC	Approved Activity/ Fitness Course	1
<b>Total 16</b>		

SOPHOMORE YEAR		
Fall Semester		Credit
CRMJ	*Criminal Justice Electives	6
PSYC 1000	General Psychology	4
	Constitutional Requirement	3
	Cultural Awareness Elective	3
PEAC	Approved Activity/ Fitness Course	1
<b>Total 17</b>		

## Programs of Instruction

<b>Spring Semester</b>		<b>Credit</b>
CO/M 1010	Public Speaking	3
CRMJ 2690	Supervised Lab Experience	3
CRMJ 2895	Criminal Justice Capstone Project	1
	*Criminal Justice Elective	3
	Humanities	3
	Elective	3
<b>Total 16</b>		

**\*Approved Criminal Justice Electives:**

CRMJ 2125	Forensic Psychology	3
CRMJ 2280	Criminal Procedures	3
CRMJ 2560	Criminal Investigation II	3
CRMJ 2570	Criminalistics (Forensics)	3
CRMJ 2590	Drugs & Criminal Justice	3
CRMJ/SOC 2400	Criminology	3

### ASSOCIATE OF ARTS- CRIMINAL JUSTICE CORRECTIONS EMPHASIS

This program option is designed for the criminal justice student who is seeking a career in corrections. It may be used as a terminal degree or taken as preparation for transfer to a four-year program. Employment may be found in correctional institutions, probation and parole, juvenile probation, detention facilities, and community programs.

Student must complete all program requirements, including approved electives, with a "C" or better.

#### FRESHMAN YEAR

Fall Semester		Credit
CRMJ 2120	Intro to Criminal Justice	3
CRMJ 2350	Intro to Corrections II/I	3
SOC 1000	Sociological Principles	3
	Lab Science	4
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
<b>Total 17</b>		

Spring Semester		Credit
PSYC 1000	General Psychology	4
CRMJ 2420	Juvenile Justice	3
CRMJ 2210	Criminal Law I	3
MATH 1000	Problem Solving	3
ENGL 1020	English II	3
PEAC	Approved Activity/ Fitness Course	1
<b>Total 17</b>		

#### SOPHOMORE YEAR

Fall Semester		Credit
CRMJ 2590	Drugs & Criminal Justice	3
CRMJ 2400	Criminology	3
	Constitutional Requirement	3

	Visual, Performing, Fine Arts	3
	Cultural Awareness Elective	3
PEAC	Approved Activity/ Fitness Course	1
<b>Total 16</b>		

<b>Spring Semester</b>		<b>Credit</b>
CO/M 1010	Public Speaking	3
CRMJ 2690	Supervised Lab Experience	3
CRMJ 2895	Criminal Justice Capstone Project	1
CRMJ 2370	Institutional Corrections	3
CRMJ/PSYC 2125	Forensic Psychology	3
	Humanities	3
<b>Total 16</b>		

### ASSOCIATE OF APPLIED SCIENCE- CRIMINAL JUSTICE

Students must complete all program requirements, including approved electives, with a "C" or better.

#### FRESHMAN YEAR

Fall Semester		Credit
CRMJ 1510	Law Enforcement Procedures	3
CRMJ 2120	Intro to Criminal Justice	3
CRMJ 2350	Introduction to Corrections II/I	3
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
PEAC	Approved Activity/ Fitness Course	1
	Constitutional Requirement	2-3
<b>Total 16-17</b>		

Spring Semester		Credit
CRMJ 1520	Law Enforcement Operations	3
CRMJ 2420	Juvenile Justice	3
CRMJ 2550	Criminal Investigation I	3
MATH 1515	Applied Technical Mathematics or higher level math	3
	Electives	3
PEAC	Approved Activity/ Fitness Course	1
<b>Total 16</b>		

#### SOPHOMORE YEAR

Fall Semester		Credit
CRMJ 2781	Use of Force I	3
CRMJ 2560	Criminal Investigation II	3
PSYC 1000	General Psychology	4
CRMJ 2280	Criminal Procedures	3
CRMJ 2590	Drugs & Criminal Justice	3
<b>Total 16</b>		

Spring Semester		Credit
CRMJ 2791	Use of Force II	3
HLED 1221	Standard First Aid & Safety	2
CRMJ 2125	Forensic Psychology	3

## Programs of Instruction

CRMJ 2570	Criminalistics (Forensics)	3
CRMJ 2690	Supervised Lab Experience	3
CO/M 1010	Public Speaking	3
or CO/M 1030	Interpersonal Communication	
CRMJ 2895	Criminal Justice Capstone Project	1
<b>Total</b>		<b>18</b>

### CERTIFICATE-CORRECTIONS

The Corrections Certificate program is designed for both the pre-service student and current correctional employee. The program provides the academic background for an understanding of the criminal justice system and the role of corrections within it. It also provides the necessary foundation courses towards the pursuit of the Associate of Arts Degree in Criminal Justice.

#### FRESHMAN YEAR

Fall Semester		Credit
PSYC 1000	General Psychology	4
CRMJ 2120	Intro to Criminal Justice	3
CRMJ 2350	Intro to Corrections II/I	3
HMDV 1000	College Studies	1
MATH 1515	Applied Technical Math or higher level math course	3
	Constitutional Requirement	3
<b>Total</b>		<b>16-17</b>

Spring Semester		Credit
ENGL 1010	English Composition I	3
CRMJ 2210	Criminal Law I	3
CRMJ 2370	Institutional Corrections	3
CO/M 1030	Interpersonal Communications	3
CRMJ 2125	Forensic Psychology	3
PEAC	Approved Activity/ Fitness Course	1
	Outcomes Assessment: Departmental Paper	
<b>Total</b>		<b>16</b>

## ECONOMICS

<b>DEGREE</b>	<b>CREDITS</b>
ASSOCIATE OF SCIENCE	70

Students must complete all program requirements, including approved electives, with a "C" or better.

#### FRESHMAN YEAR

Fall Semester		Credit
COSC 1010	Intro to Computer Science I	4
ECON 1010	Macroeconomics	3
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
	Constitutional Requirement	3
PEAC	Approved Activity/ Fitness Course	1
	Elective	3
<b>Total</b>		<b>18</b>

Spring Semester		Credit
ECON 1020	Microeconomics	3
ENGL 1020	English II	3
MATH 1400	Pre-Calculus Algebra	4
PSYC 1000	General Psychology	4
	Lab Science	4
<b>Total</b>		<b>18</b>

#### SOPHOMORE YEAR

Fall Semester		Credit
ACCT 1010	Principles of Accounting I	3
CO/M 1010	Public Speaking	3
STAT 2050	Fundamentals of Statistics	4
MATH 2350	Business Calculus	4
PEAC	Approved Activity/ Fitness Course	1
	Humanities or Visual, Performing, Fine Arts	3
<b>Total</b>		<b>18</b>

Spring Semester		Credit
ACCT 1020	Principles of Accounting II	3
BADM 2010	The Legal Environment of Business	3
MATH 2355	Mathematical Applications for Business	4
IMGT 2400	Introduction to Information Management	3
	Cultural Awareness	3
	Outcomes Assessment: Departmental Paper	
<b>Total</b>		<b>16</b>

## Programs of Instruction

### EDUCATION

DEGREE	CREDITS
ASSOCIATE OF ARTS—	
EARLY CHILDHOOD EDUCATION	64
ELEMENTARY EDUCATION	65
SECONDARY EDUCATION	64-67
CERTIFICATE-	
EARLY CHILD CARE	18

The Associate of Arts Degree in Education provides freshman and sophomore level courses required for most students majoring in education. Education programs vary greatly at four-year institutions, so the student should consult the catalog of the college or university of his/her choice for information on specific program requirements.

The following courses are required for students majoring in elementary education and planning to transfer to the University of Wyoming: Educational Foundations 2451, Life Span: Adulthood (in addition to Psychology 2300, Developmental Psychology). Elementary Education majors must complete 3 specific science courses and seminars; please consult your advisor for more information.

Education majors planning to transfer to Chadron State College are well-advised to complete an Associate of Arts Degree at Eastern Wyoming College. Our articulation agreement with Chadron specifies that students with an A.A. Degree will have met all of their General Studies requirements except the 6 hours at the upper division level.

Middle school education requirements vary from state to state. In some states, students may add a middle school endorsement to an elementary or a secondary education program. Specific courses for this endorsement are not currently available at this community college.

Students must complete all program requirements, including approved electives, with a grade of "C" or better.

### ELEMENTARY EDUCATION

#### FRESHMAN YEAR

Fall Semester		Credit
ENGL 1010	English I: Composition	3
PSYC 1000	General Psychology	4
	Constitutional Requirement	3
PEAC	Approved Activity/ Fitness Course	1
HMDV 1000	College Studies	1
EDFD 2020	Foundations of Education	3
	<b>Total 15</b>	

Spring Semester		Credit
ENGL 1020	English II	3
EDUC 2100	Practicum in Teaching Visual, Performing, Fine Arts	2 3
MATH 1100	Mathematics for the Elementary School Teacher	3 3
	Suggested Electives	3
ITEC 2360	Teaching with Microcomputers	3 3
EDEL 1410	Elementary School Math Seminar I	1 1
	<b>Total 18 (minimum)</b>	

#### SOPHOMORE YEAR

Fall Semester		Credit
LIBS 2280	Literature for Children	3
MATH 1105	Mathematics for the Elementary School Teacher II	3 3
	Cultural Awareness	3
PEAC	Approved Activity/ Fitness Course	1 1
	*Approved Electives	2
	Lab Science	4
	<b>Total 16</b>	

Spring Semester		Credit
PSYC 2300	Developmental Psychology	3
MATH 2120	Geometry & Measurement for Elementary School Teachers	3 3
EDEL 2420	Elementary School Math Seminar II	1 1
EDEX 2484	Introduction to Special Education	3 3
	Area of Concentration/ Minor	6 6
	Outcomes Assessment: Student Portfolio	3 3
	<b>Total 16</b>	

## Programs of Instruction

### \*Suggested electives for elementary education majors planning to attend Chadron:

EDFD 2100	Educational Psychology	3
PEPR 2012	PE for Elementary Teachers	3
CO/M 1040	Introduction to Human Communication	3

### \*Suggested electives for education majors planning to attend the University of Wyoming

Elementary Education Majors:  
One course in each of the following areas:

Art, Music, Speech, and American Diversity	12
Three science courses	12
EDEL 1410 and EDEL 2420: Math seminars	2
EDEL 1430, EDEL 1440, EDEL 1450: Science seminars	3
EDFD 2451: Lifespan/Adulthood	1

Note: most coaching endorsements require HLED 1221.

### EARLY CHILDHOOD EDUCATION

The Early Childhood Education Associate of Arts degree is a four-semester program designed to prepare students for employment as teachers or aides in early childhood programs, preschools, and Head Start Programs. Students will gain background in child development and as well as planning and administering early childhood educational programs. The courses will combine lecture activities with observation and participation activities in early childhood settings. The associate's degree will allow students to enter the workforce or further their education as early childhood professionals.

#### FRESHMAN YEAR

Fall Semester		Credit
ENGL 1010	English I:Composition	3
EDFD 2020	Foundations of Education	3
EDEC 1020	Intro to Early Childhood Education	3
FCSC 2121	Child Development	4
PEAC	Approved Activity/ Fitness Course	1
HMDV 1000	College Studies	1

**Total 15**

Spring Semester		Credit
ENGL 1020	English II	3

EDEC 1100	Observation & Guidance of Young Children	2
EDEC 1105	Observation & Guidance of Young Children – Lab	1
MATH 1000	Problem Solving	3
ITEC 2360	Teaching with Microcomputers	3
PSYC 1000	General Psychology	4
PEAC	Approved Activity/ Fitness Course	1

**Total 17**

#### SOPHOMORE YEAR

Fall Semester		Credit
LIBS 2280	Literature for Children	3
FCSC 2131	Family Relationships	3
	Cultural Awareness	3
	Lab Science	4
EDEC 1200	Administration in Early Childhood Programs	3

**Total 16**

Spring Semester		Credit
EDEC 1300	Curriculum Planning and Development for Young Children	2
EDEC 1305	Curriculum Planning Lab	1
EDEX 2484	Intro to Special Education	3
HLED 1221	Standard First Aid & Safety	2
	Visual, Performing, Fine Arts3	
EDUC 2100	Practicum in Teaching	2
	Constitutional Requirement	3
	Outcomes Assessment: Student Portfolio	

**Total 16**

### EARLY CHILDHOOD CERTIFICATE

The early childhood certificate is a two-semester program designed to prepare students for employment in home-based or center-based early child care settings. Students will gain background in early child development, as well as planning and administering early childhood programs. The courses will combine lecture activities with observation and participation activities in early child care settings. This certificate program is designed for students to enter the world of work or to further their education as early childcare professionals.

## Programs of Instruction

<b>Fall Semester</b>		<b>Credit</b>
EDEC 1020	Intro to Early Childhood Education	3
FCSC 2121	Child Development	4
HLED 1221	First Aid & Safety (to include infant/child CPR)	2
EDEC 1200	Administration in Early Childhood Education	3
		<b>Total 12</b>

<b>Spring Semester</b>		<b>Credit</b>
EDEC 1100	Observation and Guidance of Young Children	2
EDEC 1105	Observation and Guidance of Young Children – Lab	1
EDEC 1300	Curriculum Planning and Development for Young Children	2
EDEC 1305	Curriculum Planning and Development for Young Children – Lab	1
		<b>Total 6</b>

### SECONDARY EDUCATION

#### FRESHMAN YEAR

<b>Fall Semester</b>		<b>Credit</b>
EDFD 2020	Foundations of Education	3
ENGL 1010	English I:Composition	3
HMDV 1000	College Studies	1
MATH 1000	Problem Solving or higher level math	3
PEAC	Approved Activity /Fitness Course	1
PSYC 1000	General Psychology	4
		<b>Total 15</b>

<b>Spring Semester</b>		<b>Credit</b>
ENGL 1020	English II	3
PEAC	Approved Activity/ Fitness Course	1
	Constitutional Requirement	3
	Area of Concentration	9
		<b>Total 16</b>

#### SOPHOMORE YEAR

<b>Fall Semester</b>		<b>Credit</b>
EDUC 2100	Practicum in Teaching	2
	Humanities	3
	Lab Science	4
	Area of Concentration	6-8
		<b>Total 15-18</b>

<b>Spring Semester</b>		<b>Credit</b>
EDEX 2484	Introduction to Special Education	3
	Cultural Awareness	3
ITEC 2360	Teaching With Microcomputers	3
	Visual, Performing, Fine Arts 3	3

Area of Concentration	6
Outcomes Assessment: Student Portfolio	
<b>Total 18</b>	

#### \*Suggested electives for secondary education majors:

EDFD 2100	Educational Psychology	3
CO/M 1040	Introduction to Human Communication	3
**PSYC 2300	Developmental Psychology	3
**EDFD 2451	Life Span: Adulthood (Required at UW)	1

Note: Most coaching endorsements require HLED 1221.

\*\*PSYC 2300 and EDFD 2451 must both be taken if you are planning to transfer to the University of Wyoming.

### ENGLISH

<b>DEGREE</b>	<b>CREDITS</b>
ASSOCIATE OF ARTS	65-68

The program in English is designed to provide freshman- and sophomore-level courses required of most students majoring in English or English education. The student should consult the catalog of the college or university of his/her choice for information on the specific requirements of that institution. Students planning to major in English can benefit from any additional study in writing, language, and other areas of the humanities and fine arts.

Students must complete all program requirements, including approved electives, with a grade of "C" or better.

#### FRESHMAN YEAR

<b>Fall Semester</b>		<b>Credit</b>
ENGL 1010	English I:Composition	3
FREN 1010	1st Year French I	4
or SPAN 1010	1st Year Spanish I	
HMDV 1000	College Studies	1
MATH 1000	Problem Solving	3-4
or MATH 1400	Pre-Calculus Algebra	
	Constitutional Requirement	3
	Social Science Elective	3
		<b>Total 17-18</b>

<b>Spring Semester</b>		<b>Credit</b>
CO/M 1030	Interpersonal Communication	3
ENGL 1020	English II	3

## Programs of Instruction

FREN 1020	1st Year French II	4
or SPAN 1020	1st Year Spanish II	
PEAC	Approved Activity/ Fitness Course	1
Elective:	COSC or CMAP	1-3
	Lab Science	4
<b>Total 16-18</b>		

### SOPHOMORE YEAR

Fall Semester	Credit	
ENGL 2210	English Literature I	3
or ENGL 2310	American Literature I	
	Visual, Performing, Fine Arts	3
	Cultural Awareness	3
PEAC	Approved Activity/ Fitness Course	1
	*Approved Electives	6
<b>Total 16</b>		

Spring Semester	Credit	
ENGL 2220	English Literature II	3
or ENGL 2320	American Literature II	
PSYC 1000	General Psychology	4
	*Approved Electives	9
	Outcomes Assessment: Choice of Research Project, Journal, or Essay	
<b>Total 16</b>		

#### \*Approved sophomore electives:

ART 2010	Art History I	3
ART 2020	Art History II	3
CO/M 1040	Human Communication	3
ENGL 2140	World Literature	3
ENGL 2370	Western American Literature	3
ENGL 2440	Literary Genres: Short Story	3
ENGL 2480	Literary Genres:Drama	3
HIST 1110	Western Civilization I	3
HIST 1120	Western Civilization II	3
PHIL 1000	Introduction to Philosophy	3
PHIL 2300	Ethics in Practice	3

## HISTORY

<b>DEGREE</b>	<b>CREDITS</b>
ASSOCIATE OF ARTS	64-69

Students must complete all program requirements, including approved electives with a grade of "C" or better.

### FRESHMAN YEAR

Fall Semester	Credit	
ENGL 1010	English I: Composition	3
HIST 1211	U. S. to 1865	3
HMDV 1000	College Studies	1
MATH 1000	Problem Solving	3-4
or MATH 1400	Pre-Calculus Algebra	

POLS	Political Science Elective	3
SPAN 1010	1st Year Spanish I	4
<b>Total 17-18</b>		

Spring Semester	Credit	
ENGL 1020	English II	3
HIST 1221	U. S. From 1865	3
HIST	Elective	3
SPAN 1020	1st Year Spanish II	4
PEAC	Approved Activity /Fitness Course	1
CMAP	Elective	1-3
<b>Total 15-17</b>		

### SOPHOMORE YEAR

Fall Semester	Credit	
G&R	Elective	3
HIST 1110	Western Civilization I	3
HIST	History Elective	3
	Humanities	3
	Lab Science	4
PEAC	Approved Activity/ Fitness Course	1
<b>Total 17</b>		

Spring Semester	Credit	
HIST 1120	Western Civilization II	3
HIST	Elective	3
PSYC 1000	General Psychology	4-3
or SOC 1000	Sociological Principles	
or SOC 1100	Social Problems	
	Visual, Performing, Fine Arts	3-4
	*Approved Elective	3
	Outcomes Assessment: Choice of Research Paper, Journal, or Essay	
<b>Total 15-17</b>		

## Programs of Instruction

### \*Approved Electives:

ANTH 1100	Introduction to Physical Anthropology	3
ANTH 1200	Introduction to Cultural Anthropology	3
ART 2010	Art History I	3
ART 2020	Art History II	3
CO/M 1010	Public Speaking	3
CO/M 1030	Interpersonal Communication	3
ECON 1010	Macroeconomics	3
ECON 1020	Microeconomics	3
ENGL 2140	World Literature	3
ENGL 2210	English Literature I	3
ENGL 2220	English Literature II	3
ENGL 2310	American Literature I	3
ENGL 2320	American Literature II	3
ENGL 2370	Western American Literature	3
G&R 1000	Introduction to Geography	3
G&R 1030	Introduction to World Regional Geography	3
MUSC 2050	Music History Survey I	3
MUSC 2055	Music History Survey II	3
PHIL 1000	Introduction to Philosophy	3
PHIL 2300	Ethics in Practice	3
POLS 1000	American and Wyoming Government	3
POLS 1200	Non-Western Political Cultures	3
RELI 1000	Introduction to Religion	3
STAT 2050	Fundamentals of Statistics	4

### HONORS PROGRAM

The Honors Program at Eastern Wyoming College is an interdisciplinary program designed to provide opportunities for academically ambitious and highly motivated students. Students are encouraged to be engaged learners and active citizens by experiencing curricular and co-curricular opportunities. Honors courses are designed to enhance the student's understanding of the humanities and the arts, cultivate student involvement, promote collaboration and critical thinking, and encourage a higher level of work. Through participation in the honors program, students will encounter diverse opinions and experiences, providing opportunities for academic and personal growth. Students will have opportunities to interact with faculty members in small, innovative classes, participate in field trips and cultural experiences, and other Honors events.

#### Admission

The Honors program is open to interested students who are academically ambitious and students who show potential for advanced academic performance. Students may apply for the program if they already have excellent academic records or if they have the

motivation to excel and have recently become aware of their potential.

Interested students should request an application from the Honors Program director. The admission process includes acceptance to EWC, completion of the Honors Program application, including a writing sample, submission of a high school transcript and submission of two letters of recommendation.

#### Eligibility Requirements

High School GPA of 3.5 and ACT score of 25 or higher (or 1200 SAT)

or

Letter of recommendation from an instructor familiar with your abilities and potential

or

College GPA of 3.5 for students in their sophomore year

#### Benefits

Students who enroll in the Honors program and complete the Honors Program coursework are recognized for their achievements at graduation. Throughout the program, Honors students have access to smaller classes, opportunities to participate in off-campus events and conferences, and various social and cultural events.

#### Honors Courses

Honors courses are designed to fulfill degree requirements for general transfer degrees at Eastern Wyoming College.

Freshman Year	
HP 1000	Honors Experience: Communities (Fulfills HMDV 1000) 1
HP 1151	Freshman Colloquium I (Fulfills ENGL 1010 and Humanities requirement) 3
HP 1161	Freshman Colloquium II (Fulfills ENGL 1020) 3
Sophomore Year	
HP 2151	Honors Sophomore Seminar 3 (Fulfills Visual, Performing, Fine Arts requirement or Cultural Awareness requirement)
Total 10	

For current EWC students who wish to participate in the honors program, a project may be completed, in consultation with the Honors Director, instead of HP 1151 and HP 1161 if the student has already taken ENGL 1010 and ENGL 1020.

Honors courses are restricted to honors program students; exceptions must be approved by the Honors Program Director.

## Programs of Instruction

### INTERDISCIPLINARY STUDIES

DEGREE	CREDITS
ASSOCIATE OF ARTS	64-67
ASSOCIATE OF SCIENCE	64-68

The purpose of this program is to offer a student an opportunity for a broad-based degree rather than focusing on any one major area. Specific courses listed meet the general education requirements for EWC. It is suggested that you work with your advisor to select other electives. Degree requirements vary greatly at four-year institutions, so the student should consult the catalog of the college or university of his/her choice for information on specific program requirements. Also, the student should be aware that the Associate of Arts degree is considered the traditional "transfer" degree, so it may be a better choice for students.

Students must complete all program requirements, including approved electives, with a "C" or better.

### ASSOCIATE OF ARTS INTERDISCIPLINARY STUDIES

#### FRESHMAN YEAR

Fall Semester		Credit
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
MATH 1000 or MATH 1400	Problem Solving Pre-Calculus Algebra	3-4
PEAC	Approved Activity/ Fitness Course	1
	Computer Electives (COSC/CMAP/ITEC courses)	2-3
	Approved Electives	6
<b>Total 16-18</b>		

Spring Semester		Credit
ENGL 1020	English II	3
	Cultural Awareness	3
	Social Science	3-4
PEAC	Approved Activity/ Fitness Course	1
	Approved Electives	6
<b>Total 16-17</b>		

#### SOPHOMORE YEAR

Fall Semester		Credit
	Constitutional Requirement	3
	Lab Science	4
	Visual, Performing, Fine Arts	3
	Approved Electives	6
<b>Total 16</b>		

Spring Semester	Credit
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	Humanities	3
	Approved Electives	10
*HMDV 2000	Sophomore Project (Outcomes Assessment)	3
<b>Total 16</b>		

**\*Note:** If a student has completed 24-28 credit hours of program requirements in Business Administration, AA Degree; Pre-professional, AS Degrees; or Education, AA & AS Degrees; he/she may be eligible to take those program Outcomes Assessment activities instead of HMDV 2000. This requires the permission of one of the Division Chairs.

### ASSOCIATE OF SCIENCE INTERDISCIPLINARY STUDIES

#### FRESHMAN YEAR

Fall Semester		Credit
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
MATH 1000 or MATH 1400	Problem Solving Pre-Calculus Algebra	3-4
PEAC	Approved Activity/ Fitness Course	1
	Computer Electives (COSC/CMAP/ITEC courses)	2-3
	Electives	6
<b>Total 16-18</b>		

Spring Semester		Credit
ENGL 1020	English II	3
	Cultural Awareness	3
	Social Science	3-4
PEAC	Approved Activity/ Fitness Course	1
	Electives	6
<b>Total 16-17</b>		

#### SOPHOMORE YEAR

Fall Semester		Credit
	Constitutional Requirement	3
	Lab Science	4
	Science or Mathematics	3-4
	Electives	6
<b>Total 16-17</b>		

Spring Semester		Credit
	Humanities or Visual, Performing Fine Arts	3
	Electives	10
*HMDV 2000	Sophomore Project (Outcomes Assessment)	3
<b>Total 16</b>		

**\*Note:** If a student has completed 24-28 credit hours of program requirements in Business Administration, AA Degree; Pre-professional, AS Degrees; or Education, AA & AS Degrees; he/she may be eligible to take those program Outcomes Assessment activities instead of HMDV 2000. This requires the permission of one of the Division Chairs.

## Programs of Instruction

### LANGUAGES (FOREIGN)

DEGREE	CREDITS
ASSOCIATE OF ARTS	66-67

Eastern Wyoming College students desiring a major in French or in Spanish should concentrate on fulfilling the general requirements for a transfer program. Those students interested in earning a teaching credential should add courses in education and in psychology.

Language courses offered are 1010, 1020, 2030, and 2475 in French and Spanish. College credit may be obtained by means of an examination. (For regulations governing credit by examination, check that section in the catalog.)

Students must complete all program requirements, including approved electives, with a "C" or better.

#### FRESHMAN YEAR

Fall Semester		Credit
ENGL 1010	English I:Composition	3
FREN 1010	1st Year French I	4
or SPAN 1010	1st Year Spanish I	
HMDV 1000	College Studies	1
PEAC	Approved Activity/ Fitness Course	1
	Constitutional Requirement	3
	Lab Science	4
<b>Total</b>		<b>16</b>

Spring Semester		Credit
ENGL 1020	English II	3
FREN 1020	1st Year French II	4
or SPAN 1020	1st Year Spanish II	
MATH 1000	Problem Solving	3-4
or MATH 1400	Pre-Calculus Algebra	
	Elective: Visual, Performing, Fine Arts	3
	Elective: Global Studies	3
<b>Total</b>		<b>16-17</b>

#### SOPHOMORE YEAR

Fall Semester		Credit
COSC 1010	Intro to Computer Science I	4
FREN 2030	2nd Year French I	4
or SPAN 2030	2nd Year Spanish I	
PSYC 1000	General Psychology	4
	Elective: Humanities	3
	*Approved Elective	3
<b>Total</b>		<b>18</b>

Spring Semester		Credit
PEAC	Approved Activity/ Fitness Course	1

Elective: Social Science	3
General Electives	6
*Approved Electives	6
Outcomes Assessment: Choice of Research Project, Journal, or Essay	
<b>Total 16</b>	

#### \*Approved electives:

ART 2010	Art History I	3
ENGL 2210	English Literature I	3
ENGL 2220	English Literature II	3
ENGL 2310	American Literature I	3
ENGL 2320	American Literature II	3
MUSC 2050	Music History Survey I	3
PSYC 2330	Psychology of Adjustment	3

### MATHEMATICS

DEGREE	CREDITS
ASSOCIATE OF SCIENCE	65
ASSOCIATE OF ARTS— SECONDARY EDUCATION	66- 67

It is impossible to overemphasize the value of mathematics as a tool in other fields, notably engineering, physical science, and statistics. Recent developments in the biological, behavioral, and social sciences have drawn attention to the power of mathematics in these fields also. Along with the teaching of mathematics and research into pure mathematics, students majoring in mathematics also have many other options open to them. The courses listed below provide a strong background for specialization during the student's junior and senior years.

Students must complete all program requirements, including approved electives, with a grade of "C" or better.

### ASSOCIATE OF SCIENCE- MATHEMATICS

FRESHMAN YEAR		
Fall Semester		Credit
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
PEAC	Approved Activity/ Fitness Course	1
MATH 2200	Calculus I	5
	Approved Electives	3
	Lab Science	4
<b>Total</b>		<b>17</b>

## Programs of Instruction

Spring Semester	Credit
ENGL 1020 English II	3
MATH 2205 Calculus II	5
PEAC Approved Activity/ Fitness Course	1
STAT 2050 Fundamentals of Statistics	4
Lab Science	4

**Total 17**

### SOPHOMORE YEAR

Fall Semester	Credit
COSC 1010 Intro to Computer Science I	4
MATH 2210 Calculus III	5
Social Science	3
Global Studies	3

**Total 15**

Spring Semester	Credit
COSC 1030 Computer Science I, Programming With C++	4
MATH 2250 Elementary Linear Algebra	3
Approved Electives	3
Humanities & Visual & Performing Fine Arts	3
Outcomes Assessment: Departmental Exam	3

**Total 16**

### ASSOCIATE OF ARTS-SECONDARY EDUCATION, MATHEMATICS

#### FRESHMAN YEAR

Fall Semester	Credit
EDFD 2020 Foundations of Education	3
ENGL 1010 English I: Composition	3
HMDV 1000 College Studies	1
MATH 2200 Calculus I	5
PEAC Approved Activity/ Fitness Course	1
PSYC 1000 General Psychology	4

**Total 17**

Spring Semester	Credit
ENGL 1020 English II	3
MATH 2205 Calculus II	5
STAT 2050 Fundamentals of Statistics	4
EDFD 2100 Educational Psychology	3
Visual, Performing, Fine Arts	3

**Total 18**

#### SOPHOMORE YEAR

Fall Semester	Credit
COSC 1010 Intro to Computer Science I	4
MATH 2210 Calculus III	5
PEAC Approved Activity/ Fitness Course	1
Constitutional Requirement	3
Cultural Awareness	3

**Total 16**

Spring Semester	Credit
ITEC 2360 Teaching with Microcomputers	3
EDUC 2100 Practicum in Teaching	2-3
MATH 2250 Elementary Linear Algebra	3
Humanities	3
Lab Science	4
Outcomes Assessment: Departmental Exam	4

**Total: 15-16**

**\*Note: Students planning to transfer to the University of Wyoming should also take PSYC 2300, EDFD 2451, and EDEX 2484 Introduction to Special Education.**

### MUSIC

DEGREE	CREDITS
ASSOCIATE OF ARTS—	
MUSIC (APPLIED)	67-69
MUSIC EDUCATION	73-80

### MUSIC (APPLIED)

The Associate of Arts in Music (Applied) provides the freshman and sophomore level courses required by most colleges and universities for a Bachelor's of Music. Although many of the basic courses are the same, students planning on transferring to a four-year institution should contact their chosen school for degree and transfer requirements during the beginning of their first year of instruction.

There are three possible outcomes assessments available to those seeking a Music (Applied) degree. One of the three assessments must be chosen during the first semester of the sophomore year in preparation for the work during the final semester. The three possible assessment projects in music are:

1. Performance recital of at least 1/2 hour of music approved by applied music instructor, with a written critique by faculty and a non-departmental individual.

2. A lengthy scholarly paper and classroom presentation on a music theory or music history topic, chosen by the advisor. The paper will receive a written critique by faculty and a non-departmental individual.

3. A written musical composition, for solo instrument or duet of at least 20 minutes in length or a 5-10 minute large ensemble work,

## Programs of Instruction

to be presented at a student recital. The composition will receive a written critique by faculty and a non-departmental individual.

Students must complete all program requirements, including approved electives, with a grade of "C" or better.

### FRESHMAN YEAR

Fall Semester		Credit
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
MUSC 1415	Introduction to Music Technology	2
MUSC 1030	Written Theory I	3
MUSC 1035	Aural Theory I	1
MUSC	Applied Music Lessons	2
MUSC 1000	Introduction to Music	3
MUSC	Approved Music Ensemble	1
PEAC	Approved Activity/ Fitness Course	1
<b>Total</b>		<b>17</b>

Spring Semester		Credit
ENGL 1020	English II	3
MUSC 1040	Written Theory II	3
MUSC 1045	Aural Theory II	1
MUSC	Applied Music Lessons	2
MUSC 2015	Introduction to the Music of the World's Peoples	3
MUSC	Approved Music Ensemble	1
PEAC	Approved Activity/ Fitness Course Constitutional Requirement	3
<b>Total</b>		<b>17</b>

### SOPHOMORE YEAR

Fall Semester		Credit
MATH	Approved Math Course (1000 or Higher)	3-5
MUSC	Approved Music Ensemble	1
MUSC 2030	Written Theory III	3
MUSC 2035	Aural Theory III	1
MUSC 2050	Music History Survey I	3
MUSC	Applied Music Lessons Lab Science	4
<b>Total</b>		<b>17-19</b>

Spring Semester		Credit
MUSC	Approved Music Ensemble	1
MUSC 2040	Written Theory IV	3
MUSC 2045	Aural Theory IV	1
MUSC 2055	Music History Survey II	3
MUSC	Applied Music Lessons Humanities Social Science Outcomes Assessment: Performance Recital With Outside Critique	3
<b>Total</b>		<b>16</b>

## MUSIC EDUCATION

The Associate of Arts in Music Education provides the freshman and sophomore level courses required by most colleges and universities for a Bachelor's of Music in Music Education. Although many of the basic courses are the same, students planning on transferring to a four-year institution should contact their chosen school for degree and transfer requirements.

Students must complete all program requirements, including approved electives, with a "C" or better.

### FRESHMAN YEAR

Fall Semester		Credit
EDFD 2020	Foundations of Education	3
ENGL 1010	English I:Composition	3
MUSC 1000	Introduction to Music	3
MUSC 1030	Written Theory I	3
MUSC 1035	Aural Theory I	1
MUSC	Applied Music Lessons	2
MUSC 1400	Collegiate Chorale	1
PSYC 1000	General Psychology	4
<b>Total</b>		<b>20</b>

Spring Semester		Credit
EDEX 2484	Introduction to Special Education	3
ENGL 1020	English II	3
MUSC 1040	Written Theory II	3
MUSC 1045	Aural Theory II	1
MUSC	Applied Music Lessons	2
MUSC 1410	Vocal Ensemble	1
PEAC	Approved Activity/ Fitness Course Constitutional Requirement	3
HMDV 1000	College Studies	1
<b>Total</b>		<b>18</b>

### SOPHOMORE YEAR

Fall Semester		Credit
MATH	Approved Math Course (1000 or Higher)	3-5
MUSC 1415	Introduction to Music Technology	2
MUSC 2030	Written Theory III	3
MUSC 2035	Aural Theory III	1
MUSC 2050	Music History Survey I	3
MUSC	Applied Music Lessons	2-4
MUSC 1410	Vocal Ensemble	1
BIOL 1010	General Biology I	4
<b>Total</b>		<b>19-23</b>

Spring Semester		Credit
EDUC 2100	Practicum in Teaching	2-3
MUSC 2040	Written Theory IV	3
MUSC 2045	Aural Theory IV	1

## Programs of Instruction

MUSC 2055	Music History Survey II	3
MUSC	Applied Music Lessons	2-4
MUSC 1410	Vocal Ensemble	1
PEAC	Approved Activity/ Fitness Course	1
	Humanities	3
	Outcomes Assessment: Performance Recital With Outside Critique	
<b>Total</b>		<b>16-19</b>

### PHYSICAL EDUCATION, HEALTH AND RECREATION

<b>DEGREE</b>	<b>CREDITS</b>
ASSOCIATE OF ARTS	64-65

The physical education department has three principal functions: 1) provide general physical activity and recreation activity classes to fulfill degree requirements for graduation, 2) prepare teachers for professional physical education, and 3) conduct the college intramural program for all students. A minimum of 100 noncredit contact hours with youth age 16 and under in each of the freshman and sophomore years will be required prior to matriculation at most four-year institutions.

Students must complete all program requirements, including approved electives, with a "C" or better.

#### FRESHMAN YEAR

Fall Semester		Credit
BIOL 1010	General Biology I	4
or BIOL 1000	Principles of Biology	
EDFD 2020	Foundations of Education	3
ENGL 1010	English I:Composition	3
HMDV 1000	College Studies	1
PEAC 2000	Wellness:PE Concepts/ Fitness Course	1
PEPR 1005	Intro to Physical Education	2
<b>Total</b>		<b>14</b>

Spring Semester		Credit
EDFD 2100	Educational Psychology	3
ENGL 1020	English II	3
PEAC	Approved Activity/ Fitness Course	1
PSYC 1000	General Psychology	4
	Constitutional Requirement	3
	Visual, Performing, Fine Arts	3
<b>Total</b>		<b>17</b>

#### SOPHOMORE YEAR

Fall Semester		Credit
FCSC 1141	Principles of Nutrition	3

MATH 1000	Problem Solving	3-4
or MATH 1400	Pre-Calculus Algebra	
ZOO 2015	Human Anatomy	4
HLED 1006	Personal Health	3
	Cultural Awareness	3
<b>Total</b>		<b>16-17</b>

Spring Semester		Credit
HLED 1221	Standard First Aid & Safety	2
ZOO 2025	Human Physiology	4
COSC 1200	Computer Information System	3
CO/M 1030	Interpersonal Communication	3
	Humanities	3
PEPR 2395	Physical Education	2
	Capstone Experience (Outcomes Assessment)	
<b>Total</b>		<b>17</b>

**Students planning to transfer to the University of Wyoming should take PSYC 2300 and EDFD 2451.**

### POLITICAL SCIENCE

<b>DEGREE</b>	<b>CREDITS</b>
ASSOCIATE OF ARTS	66-70

Students must complete all program requirements, including approved electives, with a grade of "C" or better. Political Science majors are also highly encouraged to take part in the Political Science Internship with the Wyoming State Legislature for a total of six (6) credit hours. The internship is offered every spring semester.

#### FRESHMAN YEAR

Fall Semester		Credit
CMAF	Elective	1-3
ENGL 1010	English I:Composition	3
HMDV 1000	College Studies	1
MATH 1000	Problem Solving	3-4
or MATH 1400	Pre-Calculus Algebra	
POLS 1000	American & Wyoming Government	3
SPAN 1010	1st Year Spanish I	4
<b>Total</b>		<b>15-18</b>

Spring Semester		Credit
ENGL 1020	English II	3
POLS	Political Science Elective	3
PEAC	Approved Activity/ Fitness Course	1
PSYC 1000	General Psychology	4
SOC 1000	Sociological Principles	3
SPAN 1020	1st Year Spanish II	4
<b>Total</b>		<b>18</b>

## Programs of Instruction

### SOPHOMORE YEAR

<b>Fall Semester</b>		<b>Credit</b>
ECON 1010	Macroeconomics	3
G&R	Geography Elective	3
	Humanities	3
	Lab Science	4
POLS	Political Science Elective	3
POLS 1070	Election Campaign	
	Politics	1-2
<b>Total 17-18</b>		

<b>Spring Semester</b>		<b>Credit</b>
PEAC	Approved Activity/ Fitness Course	1
PHIL 1000	Introduction to Philosophy	3
POLS	Political Science Elective	3
	Visual, Performing, Fine Arts	3
	*Approved Elective	6
	Outcomes Assessment: Choice of Research Paper, Journal or Essay	
<b>Total 16</b>		

#### \*Approved Electives

ANTH 1200	Introduction to Cultural Anthropology	3
CO/M 1010	Public Speaking	3
CO/M 1030	Interpersonal Communication	3
CO/M 1040	Introduction to Human Communication	3
CRMJ 2120	Introduction to Criminal Justice	3
ECON 1020	Microeconomics	3
G&R 1000	Introduction to Geography	3
G&R 1020	Human Geography	3
G&R 1030	Introduction to World Regional Geography	3
HIST 1110	Western Civilization I	3
HIST 1120	Western Civilization II	3
HIST 1211	U.S. to 1865	3
HIST 1221	U.S. from 1865	3
PHIL 2300	Ethics in Practice	3
RELI 1000	Introduction to Religion	3
SOC 1100	Social Problems	4
STAT 2050	Fundamentals of Statistics	4

### PREPROFESSIONAL PROGRAMS

<b>DEGREE</b>	<b>CREDITS</b>
ASSOCIATE OF SCIENCE— PRE-DENTISTRY	
OR PRE-MEDICINE	71
PRE-VETERINARY MEDICINE	64-72
PRE-MEDICAL TECHNOLOGY	70
PRE-NURSING	64-66
PRE-PHARMACY	66-67

The pre-professional curricula are designed to meet the requirements of the major institutions offering professional programs in these fields and can be varied if necessary to meet special requirements of specific professional schools. Most leading professional schools are presently requiring for entrance, three years or more in a college of arts and sciences. It is recommended that students contact the college to which they plan to transfer and secure direct information concerning their particular degree requirements.

Students must complete all program requirements, including approved electives, with a "C" or better.

\*\*The State of Wyoming has entered into a regional compact (Western Interstate Commission for Higher Education—WICHE) which provides education in disciplines not available in the state. Students who are residents of Wyoming desiring entrance to one of the colleges in the thirteen cooperating states should contact the WICHE certifying officer at the University of Wyoming for additional information.

### PRE-DENTISTRY OR PRE-MEDICINE

<b>FRESHMAN YEAR</b>		
<b>Fall Semester</b>		<b>Credit</b>
BIOL 1010	General Biology I	4
CHEM 1020	General Chemistry I	4
ENGL 1010	English I: Composition	3
MATH 2200	Calculus I	5
HMDV 1000	College Studies	1
PEAC	Approved Activity/ Fitness Course	1
<b>Total 18</b>		

<b>Spring Semester</b>		<b>Credit</b>
BIOL 2020	General Biology II	4
CHEM 1030	General Chemistry II	4
ENGL 1020	English II	3

## Programs of Instruction

PSYC 1000	Constitutional Requirement	3
	General Psychology	4
<b>Total</b>		<b>18</b>

### SOPHOMORE YEAR

Fall Semester		Credit
ZOO 2015	Intro to Human Anatomy and Physiology	4
CHEM 2320	Organic Chemistry I	4
	Cultural Awareness	3
PHYS 1110	General Physics I	4
	Humanities or Visual, Performing, Fine Arts	3
<b>Total</b>		<b>18</b>

Spring Semester		Credit
ZOO 2025	Human Physiology	4
CHEM 2340	Organic Chemistry II	4
MOLB 2220	Pathogenic Microbiology	4
PHYS 1120	General Physics II	4
PEAC	Approved Activity/ Fitness Course	1
	Outcomes Assessment: Portfolio/Rubrics Based Assessment	
<b>Total</b>		<b>17</b>

### PRE-VETERINARY MEDICINE

#### FRESHMAN YEAR

Fall Semester		Credit
BIOL 1010	General Biology I	4
CHEM 1020	General Chemistry I	4
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
MATH 1400	Pre-Calculus Algebra	4
PEAC	Approved Activity/ Fitness Course	1
<b>Total</b>		<b>17</b>

Spring Semester		Credit
ENGL 1020	English II	3
	Humanities or Visual, Performing, Fine Arts	3
	Science/Math Electives	10-12
<b>Total</b>		<b>16-18</b>

#### SOPHOMORE YEAR

Fall Semester		Credit
PEAC	Constitutional Requirement	3
	Approved Activity/ Fitness Course	1
	Arts/Humanities/ Social Sciences Electives	3
	Science/Math Electives	8-12
<b>Total</b>		<b>15-19</b>

Spring Semester		Credit
	Social Science	3
	Cultural Awareness	3
	Science/Math Electives	10-12
	Outcomes Assessment: Portfolio/Rubrics Based Asmnt	
<b>Total</b>		<b>16-18</b>

#### Science/Math Electives must be selected from the following list:

BIOL 2020	General Biology II	4
CHEM 1030	General Chemistry II	4
MATH 1405	Pre-Calculus Trigonometry	3
CHEM 2320	Organic Chemistry I	4
PHYS 1110	General Physics I	4
STAT 2050	Fundamentals of Statistics	4
MOLB 2210	General Microbiology	4
CHEM 2340	Organic Chemistry II	4
PHYS 1120	General Physics II	4
MOLB 2220	Pathogenic Microbiology	4
BIOL 2200	Genetics	3
MATH 2200	Calculus I	5

### PRE-MEDICAL TECHNOLOGY

#### FRESHMAN YEAR

Fall Semester		Credit
BIOL 1010	General Biology I	4
CHEM 1020	General Chemistry I	4
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
MATH 1400	Pre-Calculus Algebra	4
PEAC	Approved Activity/ Fitness Course	1
<b>Total</b>		<b>17</b>

Spring Semester		Credit
BIOL 2020	General Biology II	4
CHEM 1030	General Chemistry II	4
COSC 1200	Computer Information Systems	3
ENGL 1020	English II	3
	Constitutional Requirement	3
PEAC	Approved Activity/ Fitness Course	1
<b>Total</b>		<b>18</b>

#### SOPHOMORE YEAR

Fall Semester		Credit
MOLB 2210	General Microbiology	4
PSYC 1000	General Psychology	4
ZOO 2015	Human Anatomy	4
	Cultural Awareness	3
	Social Science	3
<b>Total</b>		<b>18</b>

Spring Semester		Credit
CO/M 1040	Introduction to Human Communication	3
MOLB 2220	Pathogenic Microbiology	4

## Programs of Instruction

STAT 2050	Fundamentals of Statistics	3
ZOO 2025	Human Physiology	4
	Humanities or Visual, Performing, Fine Arts	3
	Outcomes Assessment: Portfolio/Rubrics Based Assessment	

**Total 17**

### PRE-NURSING

This program provides students with the courses that meet the prerequisites for four-year (BSN) nursing programs at UW and UNMC. Those students preparing for a 2 year (ADN) program should consult with a pre-nursing advisor concerning courses that meet requirements for the school to which they intend to transfer.

Students must complete all program requirements including approved electives with a "C" or better.

#### FRESHMAN YEAR

Fall Semester		Credit
BIOL 1000 or BIOL 1010	Principles of Biology General Biology I	4
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
MATH 1000 or MATH 1400	Problem Solving Pre-Calculus Algebra	3-4
SOC 1000	Sociological Principles	3
PEAC	Approved Activity/ Fitness Course	1

**Total 15-16**

Spring Semester		Credit
ENGL 1020	English II Constitutional Requirement	3 3
CHEM 1000	Introductory Chemistry	4
PSYC 1000	General Psychology Cultural Awareness	4 3
PEAC	Approved Activity/ Fitness Course	1

**Total 18**

#### SOPHOMORE YEAR

Fall Semester		Credit
ZOO 2015	Human Anatomy	4
FCSC 1141	Principles of Nutrition Humanities or Visual, Performing, Fine Arts	3 3
	*Approved Electives	5-6

**Total 15-16**

Spring Semester		Credit
PSYC 2300	Child Psychology	3
EDFD 2451	Lifespan: Adulthood	1
MOLB 2220	Pathogenic Microbiology	4
ZOO 2025	Human Physiology	4

STAT 2050	Fundamentals of Statistics	4
	Outcomes Assessment: Portfolio/Rubrics Based Assessment	

**Total 16**

#### \*Approved Electives:

PHIL 2300	Ethics in Practice	3
FCSC 2121	Child Development	4
BIOL 1050	Medical Terminology	3
HLED 1221	Standard First Aid & Safety	2
BIOL 2200	Genetics	3
CO/M 1030	Interpersonal Communication	3
COSC/CMAP	(Computer Elective Courses)	
HLTK 1510	Nurse Assistant	4

### PRE-PHARMACY

This recommended program fulfills the first two years of a pharmacy curriculum. Students interested in transferring to a specific school of pharmacy should plan their second pre-professional year using the transfer institution's catalog.

Students must complete all program requirements, including approved electives, with a "C" or better.

#### FRESHMAN YEAR

Fall Semester		Credit
BIOL 1010	General Biology I	4
CHEM 1020	General Chemistry I	4
ENGL 1010	English I: Composition	3
MATH 2200	Calculus I	5
HMDV 1000	College Studies	1

**Total 17**

Spring Semester		Credit
BIOL 2020	General Biology II	4
CHEM 1030	General Chemistry II	4
ENGL 1020	English II Constitutional Requirement Cultural Awareness	3 3 3

**Total 17**

#### SOPHOMORE YEAR

Fall Semester		Credit
ZOO 2015	Human Anatomy	4
CHEM 2320	Organic Chemistry I Social Science Humanities or Visual, Performing, Fine Arts	4 3-4 3
PEAC	Approved Activity/ Fitness Course	1

**Total 15-16**

## Programs of Instruction

Spring Semester		Credit
ZOO 2025	Human Physiology	4
CHEM 2340	Organic Chemistry II	4
MOLB 2220	Pathogenic Microbiology	4
STAT 2050	Fundamentals of Statistics	4
PEAC	Approved Activity/ Fitness Course	1
	Outcomes Assessment: Portfolio/Rubrics Based Assessment	
<b>Total</b>		<b>17</b>

*Approved Science Elective (lab course)	4
*Approved Electives	3
<b>Total</b>	<b>16-19</b>

Spring Semester	Credit
*Approved Science Elective	4
*Approved Humanities Elective	3
Psychology Electives	7-9
Cultural Awareness	3
Outcomes Assessment: Departmental Essay	
<b>Total</b>	<b>17-19</b>

### PSYCHOLOGY

DEGREE	CREDITS
ASSOCIATE OF ARTS	64-72

The following program is suggested for those students who wish to transfer to the University of Wyoming and complete course requirements for the B.A. Degree in Psychology through the College of Arts and Sciences. Bachelor of Science options with emphasis on foreign language or foreign culture are also available through the University of Wyoming. Students intending to transfer to Chadron State College, or another institution, should secure a college catalog from that institution and develop a course of study with the assistance of their academic advisor.

Students must complete all program requirements, including approved electives, with a "C" or better.

#### FRESHMAN YEAR

Fall Semester	Credit
ENGL 1010	English I:Composition 3
HMDV 1000	College Studies 1
MATH 1000	Problem Solving 3-4
or MATH 1400	Pre-Calculus Algebra
PEAC	Approved Activity/ Fitness Course 1
PSYC 1000	General Psychology 4
	*Approved Electives 3-4
<b>Total</b>	
<b>15-17</b>	

Spring Semester	Credit
ENGL 1020	English II 3
PEAC	Approved Activity/ Fitness Course 1
PSYC	Elective 3-4
SOC 1000	Sociological Principles 3
	*Approved Electives 6
<b>Total</b>	
<b>16-17</b>	

#### SOPHOMORE YEAR

Fall Semester	Credit
	Constitutional Requirement 3
PSYC	Psychology Elective 3-6
CO/M 1010	Public Speaking 3

#### \*Approved Physical Science (lab), or Earth Science, or MATH (3-4 hours):

Physical Science (lab):	
CHEM 1000	Introductory Chemistry 4
CHEM 1020	General Chemistry I 4
CHEM 1030	General Chemistry II 4
PHYS 1110	General Physics I 4
Earth Science (lab):	
GEOL 1100	Physical Geology 4
GEOL 1200	Historical Geology 4
MATH Electives:	
MATH 2200	Calculus I 5
MATH 2205	Calculus II 5
MATH 2210	Calculus III 5
MATH 2350	Business Calculus 4
STAT 2050	Fundamentals of Statistics 4

#### \*Approved Social/Behavioral Science or Biological Science Electives (7-9 hours):

Social/Behavioral Science Electives:	
ANTH 1100	Introduction to Physical Anthropology 3
ANTH 1200	Introduction to Cultural Anthropology 3
CO/M 1030	Interpersonal Communication 3
CO/M 1040	Introduction to Human Communication 3
ECON 1010	Macroeconomics 3
ECON 1020	Microeconomics 3
G&R 1000	Introduction to Geography 3
HIST 1210	United States History I 3
HIST 1220	United States History II 3
POLS 1200	Non-Western Political Cultures 3
PSYC 2000	Research Psychological Methods 4
PSYC 2300	Child Psychology 3
PSYC 2330	Psychology of Adjustment 3
PSYC 2340	Abnormal Psychology 3
PSYC 2380	Social Psychology 3
SOWK 1000	Introduction to Social Work 4
SOC 1100	Social Problems 3
SOC 2200	Sociology of Human Sexuality 3

## Programs of Instruction

SOC 2350	Race & Ethnic Relations	3
SOC 2400	Criminology	3
<b>Biological Science Electives:</b>		
BIOL 1000	Principles of Biology	4
BIOL 1010	General Biology I	4
BIOL 2020	General Biology II	4
ZOO 2015	Human Anatomy	4
ZOO 2025	Human Physiology	4
<b>Approved Foreign Language</b>		
SPAN 1010	1st Year Spanish I	4
SPAN 1020	1st Year Spanish II	4
	Free Electives	3

### SOCIOLOGY

<b>DEGREE</b>	<b>CREDITS</b>
ASSOCIATE OF ARTS	64-65

The following program is suggested for those students who wish to transfer to the University of Wyoming and complete course requirements for the B.A. Degree in Sociology through the College of Arts and Sciences. Bachelor of Science options with emphasis in foreign language or foreign culture are also available through the University of Wyoming. All students intending to transfer to another institution should secure a general catalog from the college or university to which they plan to transfer, and they should plan a course of study with the advice of their academic advisor.

Students must complete all program requirements, including approved electives, with a "C" or better.

#### FRESHMAN YEAR

Fall Semester		Credit
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
MATH 1000	Problem Solving	3-4
or MATH 1400	Pre-Calculus Algebra	
PEAC	Approved Activity/ Fitness Course	1
SOC 1000	Sociological Principles	3
	*Approved Electives	3
<b>Total</b>		<b>14-15</b>

Spring Semester		Credit
ENGL 1020	English II	3
SOC	Elective	3
PEAC	Approved Activity/ Fitness Course	1
	Cultural Awareness	3
	Visual, Performing, Fine Arts	3
	*Approved Electives	3
<b>Total</b>		<b>16</b>

#### SOPHOMORE YEAR

Fall Semester		Credit
BIOL 1010	General Biology I	4
PSYC 1000	General Psychology	4
	Constitutional Requirement	3
	Approved Elective	3
	Humanities	3
<b>Total</b>		<b>17</b>

Spring Semester		Credit
	*Social/Behavioral Science Electives	6
	*Approved Electives: Physical Sciences (lab), Math, Earth Sciences, or Social Sciences	11-12
	Outcomes Assessment: Departmental Essays	
<b>Total</b>		<b>17-18</b>

#### \*Social/Behavioral Electives (6 credit hours):

ANTH 1100	Introduction to Physical Anthropology	3
ANTH 1200	Introduction to Cultural Anthropology	3
CO/M 1030	Interpersonal Communication	3
CO/M 1040	Introduction to Human Communication	3
ECON 1010	Macroeconomics	3
ECON 1020	Microeconomics	3
G&R 1000	Introduction to Geography	3
HIST 1210	United States History I	3
HIST 1220	United States History II	3
POLS 1200	Non-Western Political Cultures	3
SOWK 1000	Introduction to Social Work	4
SOC 1100	Social Problems	3
SOC 2200	Sociology of Human Sexuality	3
SOC 2350	Race & Ethnic Relations	3
SOC 2400	Criminology	3
PSYC 2000	Research Psychological Methods	4
PSYC 2300	Child Psychology	3
PSYC 2330	Psychology of Adjustment	3
PSYC 2340	Abnormal Psychology	3
PSYC 2380	Social Psychology	3

#### Approved Electives: Physical Science (lab), Math, Earth Science, or Social Science

Physical Science Electives (8-9 credits):		
CHEM 1000	Introductory Chemistry	4
CHEM 1020	General Chemistry I	4
CHEM 1030	General Chemistry II	4
PHYS 1110	General Physics I	4
Earth Science Electives:		
GEOG 1100	Physical Geology	4
GEOG 1200	Historical Geology	4

## Programs of Instruction

### MATH Electives:

MATH 2200	Calculus I	5
MATH 2205	Calculus II	5
MATH 2210	Calculus III	5
MATH 2350	Business Calculus	4
STAT 2050	Fundamentals of Statistics	4

### \*Approved Electives:

SPAN 1010	1st Year Spanish I	4
SPAN 1020	1st Year Spanish II	4

## STATISTICS

<b>DEGREE</b>	<b>CREDITS</b>
ASSOCIATE OF SCIENCE	67

Students must complete all program requirements, including approved electives, with a grade of "C" or better.

### FRESHMAN YEAR

Fall Semester		Credit
ECON 1010	Macroeconomics	3
ENGL 1010	English I: Composition	3
MATH 2200	Calculus I	5
HMDV 1000	College Studies	1
PEAC	Approved Activity/ Fitness Course	1
	Constitutional Requirement	3
	<b>Total</b>	<b>16</b>

Spring Semester		Credit
ECON 1020	Microeconomics	3
ENGL 1020	English II	3
MATH 2205	Calculus II	5
STAT 2050	Fundamentals of Statistics	4
CO/M 1010	Public Speaking	3
	<b>Total</b>	<b>18</b>

### SOPHOMORE YEAR

Fall Semester		Credit
ACCT 2010	Principles of Accounting I	3
COSC 1010	Introduction to Computer Science I	4
MATH 2210	Calculus III	5
PEAC	Approved Activity/ Fitness Course	1
	Lab Science	4
	<b>Total</b>	<b>17</b>

Spring Semester		Credit
ACCT 2020	Principles of Accounting II	3
BADM 2010	The Legal Environment of Business	3
MATH 2250	Elementary Linear Algebra	3
	Lab Science	4
	Cultural Awareness	3
	Outcomes Assessment: Departmental Exam	
	<b>Total</b>	<b>16</b>

## VETERINARY TECHNOLOGY

<b>DEGREE</b>	<b>CREDITS</b>
ASSOCIATE OF APPLIED SCIENCE	72-73

Veterinary Technology comprises an aggregate of techniques and skills required in the practice of Veterinary Medicine. Professional veterinary technicians work under the direction of a licensed veterinarian. They do not diagnose, prescribe or perform surgical operations.

Technicians work at veterinary hospitals, colleges, and laboratories. They may work for private individuals and institutions or they may be employed by federal or state agencies that have to do with the control of animal diseases. The work may include cleaning and sterilizing equipment, performing diagnostic tests, feeding and caring for animals, restraining animals for treatment, administering anesthetics, assisting in surgery, collecting of samples for diagnostic purposes, maintaining and repairing equipment, obtaining and developing radiographs, and assisting in office procedures.

The veterinary technician may be employed to perform a single procedure in a specialized area or a broad spectrum of procedures in a generalized practice.

The primary objectives are to qualify students to perform those techniques required in the operation of a general veterinary practice exclusive of diagnosis, prescription, and surgery and to pass examinations that may be required for licensing in certain areas.

It is recommended that students in the Veterinary Technology Program spend four semesters of course work on campus followed by the Veterinary Technology 2950 preceptorship off campus. A plan is available to allow students to complete on campus course work in a five semester sequence if they so desire. Students must complete all program requirements, including approved electives, with a "C" or better.

## Programs of Instruction

### FRESHMAN YEAR

Fall Semester		Credit
BIOL 1000	Principles of Biology	4
or BIOL 1010	General Biology I	
or CHEM 1000	Introductory Chemistry	
or CHEM 1020	General Chemistry	
HMDV 1000	College Studies	1
VTTK 1500	Orientation to Veterinary Technology	3
VTTK 1610	Anatomy & Physiology of Domestic Animals	3
VTTK 1700	Medical Terminology	2
VTTK 1751	Pharmaceutical Calculations	3
<b>Total</b>		<b>16</b>

Spring Semester		Credit
VTTK 1600	Clinical Procedures	4
VTTK 1620	Anatomy & Physiology of Domestic Animals	3
VTTK 1625	Veterinary Urinalysis	1
VTTK 1630	Veterinary Hematology	3
VTTK 1750	Veterinary Pharmacology	3
VTTK 2810	Veterinary Office Procedures	2
<b>Total</b>		<b>16</b>

### SOPHOMORE YEAR

Fall Semester		Credit
VTTK 2500	Principles of Anesthesiology & Radiography	4
VTTK 2600	Diagnostic Microbiology	2
VTTK 2610	Infectious Diseases	2
VTTK 2700	Laboratory and Exotic Animals	3
VTTK 1550	Practical Surgical & Medical Experience I	3
VTTK 1755	Veterinary Parasitology	2
<b>Total</b>		<b>16</b>

Spring Semester		Credit
ENGL 1010	English I:Composition	3
	Constitutional Requirement	2-3
VTTK 2550	Practical Surgical & Medical Experience II	3
VTTK 2620	Noninfectious Diseases	3
VTTK 2650	Clinical Chemistry	1
VTTK 2900	Nutrition in Veterinary Medicine	3
VTTK 2750	Clinical Problems (Outcomes Assessment)	3
<b>Total</b>		<b>18-19</b>

**VTTK 2510 (Clinical Experience I, 1 credit), VTTK 2520 (Clinical Experience II, 1 credit), and VTTK 2950 (Clinical Experience III, 4 credits) to be scheduled during Fall, Spring, or Summer as determined appropriate by the advisor and the student.**

### WELDING AND JOINING TECHNOLOGY

DEGREE	CREDITS
ASSOCIATE OF APPLIED SCIENCE	65
CERTIFICATE	30
CERTIFICATE - MACHINE TOOL	30-32

### ASSOCIATE OF APPLIED SCIENCE

Welders are skilled crafts persons who like to work with their hands. A welder can find work almost anywhere from the smallest shop down the street to the largest industrial complex in our major cities. All hard goods manufactured make extensive use of welding in building cars, trucks, buses, trains, ships, aircraft, space vehicles, farm implements, and jewelry.

A graduate welder is capable of welding ferrous and nonferrous metals in all positions and can operate shears, drills, and power tools. A welder is competent in layout, cutting, and forming metals and determining electrodes and filler metal to be used. They must know how to work from blueprints and written procedures and know welding symbols. The welding program at Eastern Wyoming College is centered in the Mechanical Arts Building and is set up as close to industry as is possible. Each student is assigned a welding machine, table, and positioner. Discussion of safety rules, regulations, and safe use of equipment are included in the curriculum.

The objectives of the program are to enable the student to meet entry-level requirements for employment, build a basis for further study, and for lifelong learning in the metal working trades. Students will study both the theory and practice of shielded metal arc welding, oxyacetylene welding, gas tungsten arc welding, gas metal arc welding, and flux cored arc welding. Technical aspects of the above processes are taught with emphasis on plate and pipe welding of mild steel, stainless steel, and aluminum. Flat, horizontal, vertical, and overhead positions are covered in each area. The theory and practice of mechanical and manual cutting with oxyacetylene and air carbon arc cutting and gouging, joint design, preparation and layout of plate and pipe are also included in the program.

Students will be required to qualify in each of the processes listed above. Specimens completed will be examined and tested in the testing lab using one or more of the following test methods: dye

## Programs of Instruction

penetrant, macroetch, guided bend, and tensile test. All testing will be done in accordance with the American Welding Society Structural Welding Code D1.1; The American Society of Mechanical Engineers, Section IX of Boiler and Pressure Vessel Code; and The American Petroleum Institute Standard for Welding Pipelines. Eastern Wyoming College is an AWS Accredited Test Center.

Students must complete all program requirements, including approved electives, with a "C" or better.

### FRESHMAN YEAR

Fall Semester		Credit
HMDV 1000	College Studies	1
SAFE 1510	Fundamentals of Occupational Health & Safety	1
WELD 1700	General Welding	3
WELD 1755	Shielded Metal Arc Welding	5
WELD 1773	GMAW	2
WELD 2670	Welding Inspection	3
<b>Total</b>		<b>15</b>

Spring Semester		Credit
MCHT 1500	General Machine Shop	2
WELD 1650	Print Reading: Welding Symbols	3
WELD 1760	Advanced Shielded Metal Arc Welding	4
WELD 1772	FCAW	2
WELD 2680	Welding Metallurgy	3
ENTK 1510	Drafting I	1
or ENTK 2500	Computer Aided Drafting	
<b>Total</b>		<b>15</b>

### SOPHOMORE YEAR

Fall Semester		Credit
TECH 1005	Applied Technical Writing	3
or ENGL 1010	English I: Composition	
MATH 1515	Applied Technical Mathematics	3
	or higher level math	
	Constitutional Requirement	3
WELD 1780	GTAW-Plate	3
WELD 2500	Structural Welding	5
<b>Total</b>		<b>17</b>

Spring Semester		Credit
HLED 1221	Standard First Aid & Safety	2
MCHT 1610	Machine Tool Technology I	2
ELTR 1515	Electrical Concepts	2
WELD 2510	Pipe Welding I	4
WELD 2520	Pipe Welding II	5
	Computer Elective	1

Electives 2  
 Outcomes Assessment:  
 National Competency Test in  
 Welding

**Total 18**

### CERTIFICATE-WELDING AND JOINING TECHNOLOGY

Students must complete all program requirements, including approved electives, with a "C" or better.

#### FRESHMAN YEAR

Fall Semester		Credit
HMDV 1000	College Studies	1
SAFE 1510	Fundamentals of Occupational Health & Safety	1
WELD 1700	General Welding	3
WELD 1755	Shielded Metal Arc Welding	5
WELD 1773	GMAW	2
WELD 2670	Welding Inspection	3
<b>Total</b>		<b>15</b>

Spring Semester		Credit
MCHT 1500	General Machine Shop	2
WELD 1650	Print Reading: Welding Symbols	3
WELD 1760	Advanced Shielded Metal Arc Welding	4
WELD 1772	FCAW	2
WELD 2680	Welding Metallurgy	3
ENTK 1510	Drafting I	
or ENTK 2500	Computer Aided Drafting I	1
	Outcomes Assessment: National Competency Test in Welding	
<b>Total</b>		<b>15</b>

### CERTIFICATE - MACHINE TOOL TECHNOLOGY

#### FRESHMAN YEAR

Fall Semester		Credit
HMDV 1000	College Studies	1
ENTK 2500	Computer Aided Drafting I	1
MCHT 1500	General Machine Shop	2
MCHT 1610	Machine Tool Technology	2
TECH 1005	Applied Technical Writing	3
SAFE 1510	Fundamentals of Occupational Safety	1
POLS 1050	Basics in US and WY Government or	2-3
or POLS 1000	American & Wyoming Government	
WELD 1700	General Welding	3
<b>Total</b>		<b>15-16</b>

## Programs of Instruction

<b>Spring Semester</b>		<b>Credit</b>
MCHT 1620	Machine Tool Technology II	3
ENTK 2505	Computer Aided Drafting II	1
WELD 1650	Print Reading	3
MATH 1515	Applied Technical Math	3
AGTK 1810	Hydraulics	3
	Outcomes Assessment: Project	
	Electives	2-3
<b>Total 15-16</b>		

### WILDLIFE AND FISHERIES BIOLOGY AND MANAGEMENT

<b>DEGREE</b>	<b>CREDITS</b>
ASSOCIATE OF SCIENCE	67-69

The basic curriculum will give students a liberal education and serve as a broad foundation upon which they can build for positions in various state and federal agencies which are concerned with the utilization, investigation, and administration of the nation's wildlife resources.

Students must complete all program requirements, including approved electives, with a "C" or better.

#### FRESHMAN YEAR

<b>Fall Semester</b>		<b>Credit</b>
BIOL 1010	General Biology I	4
CHEM 1020	General Chemistry I	4
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
MATH 1400	Pre-Calculus Algebra	4
PEAC	Approved Activity/ Fitness Course	1
<b>Total 17</b>		

<b>Spring Semester</b>		<b>Credit</b>
BIOL 2020	General Biology II	4
CHEM 1030	General Chemistry II	4
ENGL 1020	English II	3
MATH 1405	Pre-Calculus Trigonometry	3
	Constitutional Requirement	3
PEAC	Approved Activity/ Fitness Course	1
<b>Total 18</b>		

#### SOPHOMORE YEAR

<b>Fall Semester</b>		<b>Credit</b>
BIOL 2415	Ecology and Field Biology	4
CMAP 1765	Spreadsheet Applications II: Microsoft Excel	2-3
or COSC 1200	Computer Information Systems	
GEOL 1100	Physical Geology	4

or GEOL 1200	Historical Geology	
or PHYS 1110	General Physics I	
ZOO 2450	Principles of Fish and Wildlife Management	3
	Social Science	3
<b>Total 16-17</b>		

<b>Spring Semester</b>		<b>Credit</b>
STAT 2050	Fundamentals of Statistics	4
	Global Studies	3
	Humanities or Visual, Performing Fine Arts	3
	*Approved Electives	6-7
	Outcomes Assessment: Departmental Exam	
<b>Total 16-17</b>		

#### \*Approved Electives:

BIOL 1080	Environmental Science	3
BIOL 2200	Genetics	3
BOT 2100	Forest Management	3
BOT 2120	Plant Taxonomy	4
ZOO 2400	Vertebrate Natural History	4
REWM 2000	Principles of Range Management	3
REWM 1300	Introduction to Water Resources	3