

# 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 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 15-hour residency requirement.
7. Please review the Financial Aid Academic Progress Policy regarding second degrees.

## Expected Outcomes for EWC Graduates

Eastern Wyoming College expects that its graduates will have an educational foundation that prepares them for a complex and rapidly changing world. The curriculum offered will allow the development of general education competencies

necessary for participation in society as well as the development specialized knowledge necessary within a given discipline. Every EWC graduate will have demonstrated competencies in these general education areas:

- 1. Communication:**  
Graduates will be able to engage in the communication process effectively and responsibly through listening, speaking, and writing.
- 2. Quantitative:**  
Graduates will be able to solve problems through critical thinking involving analytical and quantitative reasoning.
- 3. Constitution:**  
Graduates will demonstrate knowledge of the U.S. Constitution.  
Graduates will demonstrate knowledge of the Wyoming Constitution.
- 4. Lab Science:**  
Graduates will demonstrate proficiency in the fundamental principles of the sciences, including the application of the scientific method to investigate the natural world.
- 5. Arts and Humanities:**  
Graduates will exhibit awareness of the complexity of the human experience through the study of the arts and humanities.
- 6. Social and Cultural Awareness:**  
Graduates will demonstrate understanding of the relationship between the individual and the world.

# Programs of Instruction

## General Education 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. Courses that are permitted for the **Associate of Applied Science Degree** are also included and indicated with an asterisk. The process of assigning courses in each category is continually being updated. A class may only fulfill one requirement in the following General Education Categories. Students should contact their advisors for updated listings.

Category/Courses	Course Title	Hours
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#### Foundations

ENGL 1010	English I: Composition	3
*TECH 1005	Applied Technical Writing	3

\*Permitted for AAS Programs only

#### Communication 2

BADM 1020	Business Communications	3
CO/M 2010	Public Speaking	3
ENGL 2020	Introduction to Literature	3

#### Mathematics (Quantitative)

*BADM 1005	Business Mathematics	3
MATH 1000	Problem Solving	3
MATH 1100	Math for Elementary Teachers I	3
MATH 1400	Pre-Calculus Algebra	4
MATH 1405	Pre-Calculus Trigonometry	3
MATH 1450	Algebra and Trigonometry	5
*MATH 1515	Applied Technical Mathematics	3
MATH 2200	Calculus I	4
MATH 2350	Business Calculus	4
*VTTK 1751	Pharmaceutical Calculations	4

\*Permitted for AAS Programs only

#### Constitutional Requirements

HIST 1211	U.S. to 1865	3
HIST 1221	U.S. from 1865	3
HIST 1251	History of Wyoming	3
POLS 1000	American & Wyoming Government	3
*POLS 1050	Basics in United States and Wyoming Government	2

\*Permitted for AAS Programs only

## Lab Science I

AECL 1000	Agroecology	4
BIOL 1000	Principles of Biology	4
BIOL 1010	General Biology I	4
CHEM 1000	Introductory Chemistry	4
CHEM 1020	General Chemistry I	4
*CSMO 1705	Hair Fundamentals	4
GEOL 1100	Physical Geology	4
GEOL 1470	Environmental Geology	4
PHYS 1110	General Physics I	4
MOLB 2210	General Microbiology	4
MOLB 2240	Medical Microbiology	4
*VTTK 1625	Laboratory Analysis	1
*VTTK 1630	Veterinary Hematology	3
*VTTK 1755	Veterinary Parasitology	2
*VTTK 2610	Veterinary Infectious Diseases and Applied Diagnostics	4
*WELD 1755	Shielded Metal Arc Welding	5

\*Permitted for AAS Programs only

## Freshman Foundations

HMDV 1000	College Studies	1
or HMDV 1025	Orientation to Distance Learning	1
or HMDV 1050	Human Development: Empowerment	3
First Year Seminars (FYS)		
AGRI 1000	Issues in Agriculture	1
VTTK 1505	Introduction to Veterinary Science	1

## Physical Education Activity

EQST 1725	Rodeo Rough Stock I	2
EQST 1740	Rodeo Timed Events I	2
PEAC 1008	Lifetime Sports	1
PEAC 1012	Beginning Swimming	1
PEAC 1032	Aerobic Cond. I/Fitness Center	1
PEAC 1040	Trap Shooting I	1
PEAC 1044	Trap, Skeet, and Sporting Clays	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 1273	Heavy Resistance Conditioning	1
PEAC 1281	Beginning Casting and Angling	1
PEAC 1294	Beginning Yoga	1
PEAC 1305	Heavy Resistance Conditioning II	1
PEAC 2000	Wellness: PE Concepts/Fitness Course	1
PEAC 2294	Intermediate Yoga	1
PEAT 2025	Rodeo Activities	1

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PEAT 2051	Varsity Golf	1			
PEAT 2062	Varsity Basketball	1			
PEAT 2064	Varsity Volleyball	1			
<b>Arts &amp; Humanities</b>					
ART 1000	General Art: Studio	3			
ART 1005	Drawing I	3			
ART 1110	Foundations: Two-Dimensional	3			
ART 1120	Foundations: Three-Dimensional	3			
ART 1130	Foundation: Color Theory	3			
ART 1179	Photoshop I	3			
ART 1310	Introduction to Sculpture	3			
ART 2010	Art History I	3			
ART 2020	Art History II	3			
ART 2074	Art for the Elementary/Middle School Teacher	3			
ART 2210	Painting I	3			
ART 2410	Ceramics I	3			
CO/M 1000	Introduction to Mass Media	3			
CO/M 1030	Interpersonal Communication	3			
ENGL 2011	Literature for Young Adults	3			
ENGL 2425	Literatures in English I	3			
ENGL 2430	Literatures in English II	3			
ENGL 2435	Literatures in English III	3			
ENGL 2440	Literary Genres: Short Story	3			
LIBS 2280	Literature for Children	3			
MUSC 1000	Introduction to Music	3			
MUSC 1378	College Band	1			
MUSC 1390	Jazz Ensemble	1			
MUSC 1400	Collegiate Chorale	1			
MUSC 2018	Music for Elementary Classroom Teachers	3			
MUSC 2050	Music History Survey I	3			
MUSC 2055	Music History Survey II	3			
PHIL 1000	Introduction to Philosophy	3			
SOSC 2300	Ethics in Practice	3			
THEA 1000	Introduction to Theatre	3			
<b>Social &amp; Cultural Awareness</b>					
AGEC 1010	Agricultural Economics I	3			
AMST 2110	Cultural Diversity in America	3			
ANTH 1100	Intro to Physical Anthropology	3			
ANTH 1200	Intro to Cultural Anthropology	3			
CO/M 1040	Intro to Human Communication	3			
ECON 1010	Macroeconomics	3			
ECON 1020	Microeconomics	3			
*ENTR 1500	Successful				
				Entrepreneurship	2
			*ENTR 1520	Creating a Business Plan	2
			*ENTR 2500	Small Business Operations Management	2
			GEOG 1000	Intro to World Regional Geography	3
			HIST 1110	Western Civilization I	3
			HIST 1120	Western Civilization II	3
			HIST 1290	History of the US West	3
			HIST 1320	World Civilization to 1450	3
			HIST 1330	World Civilization from 1330	3
			HIST 2290	North American Indians	3
			MKT 2100	Principles of Marketing	3
			MUSC 2015	Introduction to the Music of the World's Peoples	3
			POLS 1200	Non-Western Political Cultures	3
			PSYC 1000	General Psychology	3
			RELI 1000	Introduction to Religion	3
			SOC 1000	Sociological Principles	3
			SOC 1100	Social Problems	3
			SOSC 1100	Introduction to Religion	3
			SOWK 2000	Introduction to Social Work	3
			WMST 1080	Intro to Women's Studies	3
				*Permitted for AAS Programs only	

# Programs of Instruction

## 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 60 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 15 semester hours applicable towards graduation from Eastern Wyoming College.
5. Completion of the appropriate reading course or an appropriate score on the reading exam. See ACCUPLACER and ACT Course Placement Guide on pages 14-15.
6. Completion of the college-wide exit assessment and the outcomes assessment requirements specific to the major.
7. File graduation application with the Student Services Office. The application is due mid-November for December graduation or mid-March for May or July graduation.
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 Student Services Office.
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 1211 U.S. to 1865, HIST 1221 U.S. from 1865, HIST 1251 History of Wyoming, 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	Freshman Foundations
3	Communication 1
3	Communication 2
3	Mathematics (Quantitative)
4	Lab Science
3	Arts & Humanities
3	Social & Cultural Awareness
3	Constitutional Requirements
<u>1</u>	Physical Education Activity
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# Programs of Instruction

## 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 60 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 15 semester hours applicable towards graduation from Eastern Wyoming College.
5. Completion of the appropriate reading course or an appropriate score on the reading exam. See ACCUPLACER and ACT Course Placement Guide on pages 14-15.
6. Completion of the college-wide exit assessment and the outcomes assessment requirements specific to the major.
7. File graduation application with the Student Services Office. The application is due mid-November for December graduation or mid-March for May or July graduation.
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 Student Services Office.
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 1211 U.S. to 1865, HIST 1221 U.S. from 1865, HIST 1251 History of Wyoming, 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	Freshman Foundations
3	Communication 1
3	Communication 2
3	Mathematics (Quantitative)
4	Lab Science
3	Arts & Humanities
3	Social & Cultural Awareness
3	Constitutional Requirements
<u>1</u>	Physical Education Activity
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# Programs of Instruction

## 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 15 semester hours applicable towards graduation from Eastern Wyoming College.
3. Completion of a minimum of 60 semester hours with a cumulative grade point average of 2.00 or better.
4. Students must complete all program requirements, including electives, with a grade of "C" or better.
5. Completion of the appropriate reading course or an appropriate score on the reading exam. See ACCUPLACER and ACT Course Placement Guide on pages 14-15.
6. File graduation application with the Student Services Office. The application is due mid-November for December graduation or mid-March for May or July graduation.
7. 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 Student Services Office.
8. 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.
9. Completion of the college-wide exit assessment and the outcomes assessment requirements specific to the major.
10. All students are required to meet the constitutional requirement by taking one of the following: HIST 1211 U.S. to 1865, HIST 1221 U.S. from 1865, HIST 1251 History of Wyoming, POLS 1000 American & Wyoming Government, POLS 1050 Basics in United States and Wyoming Government.

<b>Minimum Hours Required</b>	<b>General Transfer Categories</b>
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1	Freshman Foundations
3	Communications 1
3	Mathematics (Quantitative)
2-3	*Constitutional Requirements
5-6	From within the following categories: Social & Cultural Awareness Arts & Humanities Lab Science Physical Education Activity

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15 hours

\*Students must take POLS 1000, HIST 1211, HIST 1221, HIST 1251, or POLS 1050. Students should consult with their advisors concerning transferability.

# Programs of Instruction

## D. Certificate

Certificates will be awarded to 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 or an appropriate score on the reading exam. See ACCUPLACER and ACT Course Placement Guide on pages 14-15.
3. File graduation application with the Student Services Office. The application is due mid-November for December graduation or mid-March for May or July graduation.
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 Student Services Office.
5. Completion of the outcomes assessment appropriate to the program.

## E. Distance Learning

Eastern Wyoming College offers complete Distance Learning Programs:

- Interdisciplinary Studies AA
- Interdisciplinary Studies AS
- Criminal Justice AA
- Business Administration AAS
- Early Childhood Education AA
- Elementary Education AA
- Child Development C
- Corrections C

The primary mode of delivery is internet. Please see the website, [ewc.wy.edu](http://ewc.wy.edu), for a complete listing of courses each semester. All previously listed degree requirements still pertain to distance degrees.

Veterans educational benefits may be adjusted when a student enrolls in all distance education courses.

## F. Self-Directed Studies

Self-Directed Studies classes are hands-on performance based courses in which there are no regularly scheduled meeting times. Each student is responsible for setting their own study schedule in

order to complete the required coursework in the allotted time.

While students are allowed to do their work when and where they like, all assignments are due on (or before) the final regular day of the semester. Students are encouraged to get to work early and be finished with the course as soon as possible. It's not realistic to think you can get all the work done in less than 5 weeks.

These classes include approximately 20 hands-on activities from the textbook - averaging out to about 3 exercises per week over 7-weeks. Coursework is submitted digitally through the EWC "LancerNet" learning management system.

For students wanting (or needing) individual assistance, the instructor will be available in the Community Training Center Computer Lab 5-days a week -- including extended evening hours on Tuesdays and Thursdays. Students are welcomed to use this lab for any coursework requiring network connectivity. Students should meet with the instructor the first week of the semester to outline their study plan.

## 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. Students should consult with their advisors to ensure that all general education requirements are satisfied.

# Programs of Instruction

## ACCOUNTING (AS) 60 Credits

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.

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

### FRESHMAN YEAR

Fall Semester		Credit
ACCT 1010	Principles of Accounting I	3
ENGL 1010	English I: Composition	3
MATH 1400	Pre-Calculus Algebra	4
	Constitutional Requirements	3
	Freshman Foundations	1
<b>Total</b>		<b>14</b>

Spring Semester		Credit
ACCT 1020	Principles of Accounting II	3
STAT 2050	Fundamentals of Statistics	4
	Arts & Humanities	3
	Lab Science I	4
	Physical Education Activity	1
<b>Total</b>		<b>15</b>

### SOPHOMORE YEAR

Fall Semester		Credit
ACCT 2450	Cost Accounting	3
CO/M 2010	Public Speaking	3
or ENGL 2020	Introduction to Literature	
ECON 1010	Macroeconomics	3
MATH 2350	Business Calculus	4
MKT 2100	Principles of Marketing	3
<b>Total</b>		<b>16</b>

Spring Semester		Credit
BADM 2010	Business Law I	3
ECON 1020	Microeconomics	3
MATH 2355	Mathematical Applications for Business	4
MGT 2100	Principles of Management	3
	*Approved Elective	2
	Outcomes Assessment:	
	Departmental Exam and Core Competency Evaluation	
<b>Total</b>		<b>15</b>

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

## AGRICULTURE BUSINESS AND SCIENCES (AS) 60 Credits

This degree will prepare students who plan to transfer to a four-year college or university. The courses have been designed to transfer to the University of Wyoming College of Agriculture. Other colleges or universities may have other requirements and students should work with their EWC advisors to plan for other college requirements. This degree presents the students with six options: a General Agriculture option for those that are not sure in what specific area in agriculture they would like to major, a Business option, a Communications option, an Agroecology/Agronomy option, an Animal Science option, and an Equine Science option.

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

### General Agriculture Option

This option is for students who are not sure what area they would like to specialize in and would like 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. Encouraged are electives with the following prefixes: AGECE, AGRI, AGTK, ANSC, CROP, ELTR, EQST, MCHT, REWM, and WELD.

### FRESHMAN YEAR

Fall Semester		Credit
AECL 1000	Agroecology	4
AGRI 1000	Issues in Agriculture	1
AGRI 1010	Computers: Agriculture	3
ENGL 1010	English I: Composition	3
MATH 1400	Pre-Calculus Algebra	4
<b>Total</b>		<b>15</b>

Spring Semester		Credit
BIOL 1010	General Biology I	4
	Communication 2	3
	Physical Education Activity	1
	*Approved Ag Electives	7
<b>Total</b>		<b>15</b>

# Programs of Instruction

## SOPHOMOREYEAR

<b>Fall Semester</b>		<b>Credit</b>
AGEC 1010	Agricultural Economics I	3
	Constitutional Requirements	3
	*Approved Ag Electives	9
<b>Total</b>		<b>15</b>

<b>Spring Semester</b>		<b>Credit</b>
STAT 2050	Fundamentals of Statistics	4
	Arts & Humanities	3
	*Approved Ag Electives	6
	Outcomes Assessment:	
AGEC 2395	Ag Capstone Project	2
<b>Total</b>		<b>15</b>

### Business Option

This option 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. Encouraged are electives with the following prefixes: AGECE, ANSC, CROP, and REWM.

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>
ACCT 1010	Principles of Accounting I	3
AECL 1000	Agroecology	4
AGRI 1000	Issues in Agriculture	1
AGRI 1010	Computers: Agriculture	3
MATH 1400	Pre-Calculus Algebra	4
<b>Total</b>		<b>15</b>

<b>Spring Semester</b>		<b>Credit</b>
ACCT 1020	Principles of Accounting II	3
BIOL 1010	General Biology I	4
ENGL 1010	English I: Composition	3
STAT 2050	Fundamentals of Statistics	4
	Physical Education Activity	1
<b>Total</b>		<b>15</b>

## SOPHOMOREYEAR

<b>Fall Semester</b>		<b>Credit</b>
AGEC 1010	Agricultural Economics I	3
MATH 2350	Business Calculus	4
	Communication 2	3
	Constitutional Requirements	3
	*Approved Ag Elective	2
<b>Total</b>		<b>15</b>

<b>Spring Semester</b>		<b>Credit</b>
ECON 1020	Microeconomics	3
	Arts & Humanities	3
	*Approved Ag Electives	7
	Outcomes Assessment:	
AGEC 2395	Ag Capstone Project	2
<b>Total</b>		<b>15</b>

### Communications Option

This option is designed for students that want to work in Ag communications. This could include TV or radio broadcasting, writing for newspapers or magazines, and public relations for Ag organizations such as Farm Bureau, NCBA or others. Encouraged are electives with the following prefixes: AGECE, CO/M, and ENGL.

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>
AGRI 1000	Issues in Agriculture	1
AGRI 1010	Computers: Agriculture	3
CO/M 1000	Introduction to Mass Media	3
CO/M 1040	Introduction to Human Communication	3
ENGL 1010	English I: Composition	3
	Physical Education Activity	1
<b>Total</b>		<b>14</b>

<b>Spring Semester</b>		<b>Credit</b>
AECL 1000	Agroecology	4
BIOL 1010	General Biology I	4
CO/M 1030	Interpersonal Communication	3
MATH 1400	Pre-Calculus Algebra	4
<b>Total</b>		<b>15</b>

## SOPHOMOREYEAR

<b>Fall Semester</b>		<b>Credit</b>
AGEC 1010	Agricultural Economics I	3
CO/M 2100	Reporting and Newswriting	3
	Constitutional Requirements	3
	*Approved Ag Electives	6
<b>Total</b>		<b>15</b>

<b>Spring Semester</b>		<b>Credit</b>
CO/M 2010	Public Speaking	3
STAT 2050	Fundamentals of Statistics	4
	Arts & Humanities	3
	*Approved Ag Electives	4
	Outcomes Assessment:	
AGEC 2395	Ag Capstone Project	2
<b>Total</b>		<b>16</b>

# Programs of Instruction

## Agroecology/Agronomy Option

This option is designed for students that are interested in further study dealing with crops and agronomy. Career opportunities include equipment and fertilizer companies, seed and chemical companies, and other companies dealing with the crop areas of agriculture. Encouraged are electives with the following prefixes: AGECE, AGRI, ANSC, CROP, ENTO, MOLB, and REWM.

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

### FRESHMAN YEAR

Fall Semester		Credit
AECL 1000	Agroecology	4
AGRI 1000	Issues in Agriculture	1
BIOL 1010	General Biology I	4
ENGL 1010	English I: Composition	3
	**Bio/Genetics Science	
	Elective	4
<b>Total</b>		<b>16</b>

Spring Semester		Credit
AGEC 1010	Agricultural Economics I	3
BIOL 2020	General Biology II	4
MATH 1400	Pre-Calculus Algebra	4
	Constitutional Requirements	3
	Physical Education Activity	1
<b>Total</b>		<b>15</b>

### SOPHOMORE YEAR

Fall Semester		Credit
CHEM 1000	Introductory Chemistry	4
CO/M 2010	Public Speaking	3
STAT 2050	Fundamentals of Statistics	4
	Arts & Humanities	3
<b>Total</b>		<b>14</b>

Spring Semester		Credit
CHEM 2300	Introductory Organic Chemistry	4
SOIL 2010	Introduction to Soils	4
	Social & Cultural Awareness	3
	*Approved Ag Elective	2-3
	Outcomes Assessment:	
AGEC 2395	Ag Capstone Project	2
<b>Total</b>		<b>15-16</b>

#### \*\*Approved Bio/Genetics Science Electives:

ANSC 1010	Introduction to Animal Science	4
ENTO 1001	Insect Biology	4
SOIL 2200	Applied Soils	3

## Animal Science Option

This option is designed for students interested in career opportunities in agriculture that involve livestock, such as feed and supplement dealers, veterinarians, livestock feeding operations, and ranches.

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

### FRESHMAN YEAR

Fall Semester		Credit
AGRI 1000	Issues in Agriculture	1
AGRI 1010	Computers: Agriculture	3
BIOL 1010	General Biology I	4
ENGL 1010	English I: Composition	3
MATH 1400	Pre-Calculus Algebra	4
<b>Total</b>		<b>15</b>

Spring Semester		Credit
ANSC 1010	Introduction to Animal Science	4
BIOL 2020	General Biology II	4
ECON 1020	Microeconomics	3
	Communication 2	3
	Physical Education Activity	1
<b>Total</b>		<b>15</b>

### SOPHOMORE YEAR

Fall Semester		Credit
AGEC 1010	Agricultural Economics	3
ANSC 2030	Principles of Livestock Feeding	4
CHEM 1000	Introductory Chemistry	4
	Constitutional Requirements	3
<b>Total</b>		<b>14</b>

Spring Semester		Credit
CHEM 2300	Introductory Organic Chemistry	4
REWM 2000	Principles of Range Management	3
STAT 2050	Fundamentals of Statistics	4
	Arts & Humanities	3
	Outcomes Assessment:	
AGEC 2395	Ag Capstone Project	2
<b>Total</b>		<b>16</b>

# Programs of Instruction

## Equine Science Option

This option is for students that want to work in the equine industry such as equine trainers, farriers, equine boarding, and equestrian instruction.

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

### FRESHMAN YEAR

Fall Semester		Credit
AGRI 1000	Issues in Agriculture	1
ANSC 1010	Introduction to Animal Science	4
BIOL 1010	General Biology I	4
ENGL 1010	English I: Composition	3
	Social & Cultural Awareness	3
<b>Total</b>		<b>15</b>

Spring Semester		Credit
BIOL 2020	General Biology II	4
EQST 1515	Equine Science I	4
MATH 1400	Pre-Calculus Algebra	4
	Physical Education Activity	1
	**Equine Science Elective	2-3
<b>Total</b>		<b>14-15</b>

### SOPHOMORE YEAR

Fall Semester		Credit
AGEC 2020	Farm-Ranch Business Management	3
CHEM 1000	Introductory Chemistry	4
EQST 2516	Equine Science II	3
	Communication 2	3
	Constitutional Requirement	3
<b>Total</b>		<b>16</b>

Spring Semester		Credit
REWM 2000	Principles of Range Management	3
STAT 2050	Fundamentals of Statistics	4
	Arts & Humanities	3
	**Equine Science Elective	2-3
	Outcomes Assessment:	
AGEC 2395	Ag Capstone Project	2
<b>Total</b>		<b>14-15</b>

### \*\*Approved Equine Science Electives:

AGEC 2010	Farm-Ranch Business Records	3
AGEC 2020	Farm-Ranch Business Management	3
AGEC 2150	Agri-Business Finance	3
AGEC 2300	Agricultural Marketing	2
CROP 2200	Forage Crop Science	3
EQST 1570	Horseshoeing I	1
EQST 1580	Horseshoeing II	1
EQST 1725	Rodeo Rough Stock I	2
EQST 1740	Rodeo Timed Events I	2

### \*Approved Ag Electives:

AGEC 1200	Economics & Management of Agricultural Equipment	2
AGEC 1510	Farm/Ranch Application & Review of Management	3
AGEC 1970	Ag Internship	2
AGEC 2010	Farm-Ranch Business Records	3
AGEC 2020	Farm-Ranch Business Management	3
AGEC 2150	Agri-Business Finance	3
AGEC 2300	Agricultural Marketing	2
AGEC 2350	Agricultural Commodities in Marketing	2
AGRI 2000	Agricultural Chemicals	2
AGTK 1810	Beginning Hydraulics	3
AGTK 1910	Equipment Maintenance and Repair	2
AGTK 1920	Introduction to Precision Agriculture	3
ANSC 1010	Introduction to Animal Science	4
ANSC 1070	Beginning Livestock Fitting and Showing	1
ANSC 1100	Management of Reproduction	4
ANSC 1210	Beginning Livestock Judging I	2
ANSC 1220	Techniques of Livestock Judging II	1
ANSC 1550	Livestock Health	3
ANSC 2030	Principles of Livestock Feeding	4
ANSC 2110	Beef Production and Management	3
ANSC 2230	Advanced Techniques of Livestock Judging III	1
ANSC 2240	Advanced Techniques of Livestock Judging IV	1
ANSC 2615	Anatomy & Physiology of Domestic Animals I/II	3
ANSC 2900	Nutrition in Veterinary Medicine	3
CHEM 2300	Introductory Organic Chemistry	4
CROP 1150	Pesticide Safety and Application	3

## Programs of Instruction

CROP 2200	Forage Crop Science	3
ECON 1020	Microeconomics	3
ELTR 1515	Electrical Concepts	2
ENTR 1500	Successful Entrepreneurship	2
ENTO 1001	Insect Biology	4
EQST 1515	Equine Science I	4
EQST 1570	Horseshoeing I	1
EQST 1580	Horseshoeing II	1
EQST 1725	Rodeo Rough Stock I	2
EQST 1740	Rodeo Timed Events I	2
EQST 2516	Equine Science II	3
MCHT 1500	General Machine Shop	2
MCHT 1610	Machine Tool Technology I	2
REWM 2000	Principles of Range Management	3
REWM 2500	Rangeland Plant Identification	2
SOIL 2010	Introduction to Soil Science	4
SOIL 2300	Soil Science and Fertilizer Technology	2
WELD 1700	General Welding	3

### AGRICULTURE-FARM AND RANCH MANAGEMENT (AAS) 60-63 Credits

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 grade of "C" or better.

#### FRESHMAN YEAR

Fall Semester	Credit	
AGRI 1000	Issues in Agriculture	1
AGRI 1010	Computers: Agriculture	3-4
or CMAP 1765	Spreadsheet Application II: Microsoft Excel	
and CMAP 1800	Database Application I: Access	
ANSC 1010	Introduction to Animal Science	4
or	Lab Science I	
MATH 1000	Problem Solving	3
or MATH 1515	Applied Technical Math	
TECH 1005	Applied Technical Writing	3
or ENGL 1010	English I: Composition	
<b>Total</b>		<b>14-15</b>

Spring Semester		Credit
AGEC 1970	Ag Internship	2
AGEC 2010	Farm-Ranch Business Records	3
AGTK 1910	Equipment Maintenance and Repair	2
ANSC 1010	Introduction to Animal Science	4
or	Lab Science I	
REWM 2000	Principles of Range Management	3
	*Approved Farm/Ranch Elective	3
<b>Total</b>		<b>17</b>

#### SOPHOMORE YEAR

Fall Semester		Credit
AGEC 1010	Agricultural Economics I	3
AGEC 2020	Farm-Ranch Business Management	3
AGEC 2350	Agricultural Commodities in Marketing	2
ANSC 2030	Principles of Livestock Feeding	4-3
or CROP 2200	Forage Crop Science	
	*Approved Farm/Ranch Electives	3-4
<b>Total</b>		<b>14-16</b>

Spring Semester		Credit
AGEC 2150	Agri-Business Finance	3
ANSC 1550	Livestock Health	3
or SOIL 2200	Applied Soils	
	Constitutional Requirements	3
	*Approved Farm/Ranch Electives	4
	Outcomes Assessment:	
AGEC 2395	Ag Capstone Project	2
<b>Total</b>		<b>15</b>

*Approved Farm/Ranch Electives:		
AGEC 1200	Economics & Management of Agricultural Equipment	2
AGEC 2300	Agricultural Marketing	2
AGRI 2000	Agriculture Chemicals	2
AGTK 1810	Beginning Hydraulics	3
AGTK 1920	Introduction to Precision Agriculture	3
ANSC 1070	Beginning Livestock Fitting and Showing	1
ANSC 1100	Management of Reproduction	4
ANSC 1210	Beginning Livestock Judging I	2
ANSC 1550	Livestock Health	3
ANSC 2110	Beef Production and Management	3

## Programs of Instruction

ANSC 2900	Nutrition in Veterinary Medicine	3
CROP 1150	Pesticide Safety and Application	3
CROP 2200	Forage Crop Science	3
ELTR 1515	Electrical Concepts	2
EQST 1515	Animal Science I	4
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
EQST 2615	Animal Science II	3
MCHT 1500	General Machine Shop	2
or MCHT 1610	Machine Tool Technology I	2
REWM 2500	Rangeland Plant Identification	2
SOIL 2200	Applied Soils	3
SOIL 2300	Soil Science & Fertilizer Technology	2
WELD 1700	General Welding	3

### AGRICULTURE-BEEF PRODUCTION (CERT 1 YR) 32 CREDITS

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, including approved electives, with a grade of "C" or better.

#### FRESHMAN YEAR

Fall Semester		Credit
AECL 1000	Agroecology	4
or BIOL 1000	Principles of Biology	
or BIOL 1010	General Biology I	
AGRI 1000	Issues in Agriculture	1
AGRI 1010	Computers: Agriculture	3
ANSC 1210	Beginning Livestock Judging	2
ANSC 2030	Principles of Livestock Feeding	4
ANSC 2110	Beef Production and Management	3
<b>Total</b>		<b>17</b>

Spring Semester		Credit
AGEC 1970	Ag Internship	2
AGEC 2010	Farm-Ranch Business Records	3
ANSC 1550	Livestock Health	3
ANSC 1100	Management of Reproduction	4
REWM 2000	Principles of Range Management	3
	Outcomes Assessment: Written Exam	
<b>Total</b>		<b>15</b>

#### Beef Production program course substitutions with advisor approval:

AGEC 2020	Farm-Ranch Business Management	3
AGEC 2150	Agri-Business Finance	3
AGEC 2300	Agricultural Marketing	2
AGEC 2350	Agricultural Commodities in Marketing	2
ANSC 1010	Introduction to Animal Science	4
CROP 2200	Forage Crop Science	3

For more information about this certificate program, links to occupational information, estimated program cost, normal time for program completion, median debt at program completion (if available), please visit EWC's website at: <http://ewc.wy.edu/future-students/financial-aid/career/>.

### AGRICULTURE-RANGELAND ECOLOGY AND WATERSHED MANAGEMENT (AS) 61 CREDITS

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 wildlife 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 grade of "C" or better.

# Programs of Instruction

## FRESHMAN YEAR

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

Spring Semester		Credit
BIOL 2020	General Biology II	4
REWM 2000	Principles of Range Management	3
	Arts & Humanities	3
	Constitutional Requirements	3
	Physical Education Activity	1
<b>Total</b>		<b>14</b>

## SOPHOMORE YEAR

Fall Semester		Credit
AECL 1000	Agroecology	4
AGEC 1010	Agriculture Economics I	3
AGRI 1010	Computers: Agriculture	3
ZOO 2450	Principles of Fish and Wildlife Management	3
	Social & Cultural Awareness	3
<b>Total</b>		<b>16</b>

Spring Semester		Credit
CO/M 2010	Public Speaking	3
RNEW 2100	Forest Management	3
SOIL 2010	Introduction to Soil Science	4
STAT 2050	Fundamentals of Statistics	4
	Outcomes Assessment:	
AGEC 2395	Ag Capstone Project	2
<b>Total</b>		<b>16</b>

## AQUACULTURE TECHNICIAN (CERT LESS THAN 1 YR) 12 Credits

This program will enable a student to meet entry level requirements for employment as an aquaculture technician. Students completing the program will have a basic understanding of aquaculture production methods and fish management techniques. This program is offered only at the Wyoming Women's Center in Lusk, WY.

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

## FRESHMAN YEAR

Fall Semester		Credit
AQTK 1500	Introduction to Aquaculture	3
AQTK 1520	Aquaculture Systems	3
AQTK 1550	Fish Health Management	3
AQTK 1600	Hatchery Management	3
<b>Total</b>		<b>12</b>

Federal Financial Aid is not available for this certificate program.

## ART (AA) 61 Credits

The Associate of Arts in Art provides freshman and sophomore level courses required by most colleges for a Bachelor of Arts or a Bachelor of Fine Arts degree in the visual arts. This program is ideal for students interested in a career in the fine or applied arts. The outcomes assessment requirement for this program will be an exhibition of art completed during the student's time in the program. This exhibition must be accompanied by an Artist's Statement, a written explanation of the work on display.

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

## FRESHMAN YEAR

Fall Semester		Credit
ART 1005	Drawing I	3
ART 1110	Foundation: Two-Dimensional	3
ENGL 1010	English I: Composition	3
	Constitutional Requirements	3
	Freshman Foundations	1
	Physical Education Activity	1
<b>Total</b>		<b>14</b>

## Programs of Instruction

Spring Semester	Credit
ART 1130 Foundation: Color Theory	3
ART 1310 Introduction to Sculpture	3
ENGL 2020 Introduction to Literature	3
Lab Science I	4
**Art Elective	3
<b>Total</b>	<b>16</b>

### SOPHOMOREYEAR

Fall Semester	Credit
ART 1120 Foundation: Three-Dimensional	3
ART 2010 Art History I	3
ART 2410 Ceramics I	3
MATH 1000 Problem Solving	3
*Approved Elective	3
<b>Total</b>	<b>15</b>

Spring Semester	Credit
ART 2020 Art History II	3
ART 2210 Painting I	3
ART 2141 Professional Practices in the Arts	1
Social & Cultural Awareness	3
*Approved Elective	3
**Art Elective	3
Outcomes Assessment: Exhibition and Artist's Statement	3
<b>Total</b>	<b>16</b>

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

**\*\*Approved Art Electives:**

ART 1179 Photoshop I	3
ART 2005 Drawing II	3
ART 2145 Digital Photography	3
ART 2420 Ceramics II	3

### BIOLOGY (AS) 60 Credits

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 grade of "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 1400 Pre-Calculus Algebra	4
Freshman Foundations	1
<b>Total</b>	<b>16</b>

Spring Semester	Credit
BIOL 2020 General Biology II	4
CHEM 1030 General Chemistry II	4
ENGL 2020 Introduction to Literature	3
MATH 1405 Pre-Calculus Trigonometry	3
<b>Total</b>	<b>14</b>

### SOPHOMOREYEAR

Fall Semester	Credit
CHEM 2300 Introductory Organic Chemistry	4
or CHEM 2320 Organic Chemistry I	
MATH 2200 Calculus I	4
PHYS 1110 General Physics I	4
Physical Education Activity	1
Social & Cultural Awareness	3
<b>Total</b>	<b>16</b>

Spring Semester	Credit
MOLB 2220 Pathogenic Microbiology	4
or CHEM 2340 Organic Chemistry II	
STAT 2050 Fundamentals of Statistics	4
Arts & Humanities	3
Constitutional Requirements	3
Outcomes Assessment: Portfolio/Rubrics Based Assessment	3
<b>Total</b>	<b>14</b>

# Programs of Instruction

## BUSINESS ADMINISTRATION (AS) 60 Credits

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 grade of "C" or better.

### FRESHMAN YEAR

Fall Semester		Credit
ACCT 1010	Principles of Accounting I	3
ENGL 1010	English I: Composition	3
MATH 1400	Pre-Calculus Algebra	4
	Constitutional Requirements	3
	Freshman Foundations	1
	<b>Total</b>	<b>14</b>

Spring Semester		Credit
ACCT 1020	Principles of Accounting II	3
STAT 2050	Fundamentals of Statistics	4
	Arts & Humanities	3
	Lab Science I	4
	Physical Education Activity	1
	<b>Total</b>	<b>15</b>

### SOPHOMORE YEAR

Fall Semester		Credit
ACCT 2450	Cost Accounting	3
CO/M 2010	Public Speaking	3
or ENGL 2020	Introduction to Literature	
ECON 1010	Macroeconomics	3
MATH 2350	Business Calculus	4
MKT 2100	Principles of Marketing	3
	<b>Total</b>	<b>16</b>

Spring Semester		Credit
BADM 2010	Business Law I	3
ECON 1020	Microeconomics	3
MATH 2355	Mathematical Applications for Business	4
MGT 2100	Principles of Management	3
	*Approved Elective	2
	Outcomes Assessment: Departmental Exam and Core Competency Evaluation	
	<b>Total</b>	<b>15</b>

## BUSINESS ADMINISTRATION (AAS) 60 Credits

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.

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

### FRESHMAN YEAR

Fall Semester		Credit
ACCT 1010	Principles of Accounting I	3
BADM 1030	Personal Finance	3
	Communication 1	3
	Freshman Foundations	1
	*Approved Electives	5
	<b>Total</b>	<b>15</b>

Spring Semester		Credit
BADM 1000	Introduction to Business	3
BADM 1005	Business Mathematics I	3
COSC 1200	Computer Information Systems	3
	Constitutional Requirements	3
	*Approved Electives	3
	<b>Total</b>	<b>15</b>

### SOPHOMORE YEAR

Fall Semester		Credit
BADM 1020	Business Communications	3
ECON 1010	Macroeconomics	3
MKT 2100	Principles of Marketing	3
	*Approved Electives	6
	<b>Total</b>	<b>15</b>

Spring Semester		Credit
ACCT 2110	Microcomputer Accounting I	2
MGT 2100	Principles of Management	3
	*Approved Electives	7
	Outcomes Assessment:	
BADM 2395	Business Office Capstone	3
	<b>Total</b>	<b>15</b>

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

# Programs of Instruction

**\*Approved Business Administration (AAS)**

**Electives:**

Seven (7) credits must be taken from the following prefixes: ACCT, BADM, MGT, ECON, ENTR, IMGT, INET, or MKT.

Five-six (5-6) credits must be taken from the following General Education Categories: Arts & Humanities, Lab Science, Physical Education Activity, or Social & Cultural Awareness.

The balance of electives may be taken from any course at the 1000 or above level.

**BUSINESS ADMINISTRATION  
DISTANCE LEARNING (AAS)  
60 Credits**

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.

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

**FRESHMAN YEAR**

Fall Semester		Credit
BADM 1005	Business Mathematics	3
BADM 1030	Personal Finance	3
MKT 2100	Principles of Marketing	3
	Communication 1	3
	Freshman Foundations	1
	*Approved Electives	2
<b>Total</b>		<b>15</b>

Spring Semester		Credit
ACCT 1010	Principles of Accounting I	3
BADM 1020	Business Communications	3
MGT 2100	Principles of Management	3
	Constitutional Requirements	3
	*Approved Electives	3
<b>Total</b>		<b>15</b>

**SOPHOMORE YEAR**

Fall Semester		Credit
COSC 1200	Computer Information Systems	3
ECON 1010	Macroeconomics	3
	*Approved Electives	9
<b>Total</b>		<b>15</b>

**Spring Semester** **Credit**

ACCT 2110	Microcomputer Accounting I	2
BADM 1000	Introduction to Business	3
	*Approved Electives	7
	Outcomes Assessment:	
BADM 2395	Business Office Capstone	3
<b>Total</b>		<b>15</b>

**\*Approved Business Administration Distance Learning (AAS) Electives:**

Seven (7) credits must be taken from the following prefixes: ACCT, BADM, MGT, ECON, ENTR, IMGT, INET, or MKT.

Five-six (5-6) credits must be taken from the following General Education Categories: Arts & Humanities, Lab Science, Physical Education Activity, or Social & Cultural Awareness.

The balance of electives may be taken from any course at the 1000 or above level.

**BUSINESS EDUCATION (AS)  
63-64 Credits**

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.

Notice of background check: All education students are subject to background checks for selected educational coursework involving student contact and future employment as professionals in education and related fields. Student financial aid may be used to cover the cost.

Students planning to transfer to the University of Wyoming should take EDFD 2450 Lifespan Human Development.

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

# Programs of Instruction

## FRESHMAN YEAR

Fall Semester		Credit
ECON 1010	Macroeconomics	3
EDFD 2020	Foundations of Education	3
ENGL 1010	English I: Composition	3
MATH 1400	Pre-Calculus Algebra	4
PSYC 1000	General Psychology	3
	Freshman Foundations	1
<b>Total</b>		<b>17</b>

Spring Semester		Credit
EDFD 2100	Educational Psychology	3
EDUC 2100	Practicum in Teaching	2-3
ITEC 2360	Teaching with Technology	3
MGT 2100	Principles of Management	3
	Arts & Humanities	3
	Physical Education Activity	1
<b>Total</b>		<b>15-16</b>

## SOPHOMORE YEAR

Fall Semester		Credit
ACCT 1010	Principles of Accounting I	3
MKT 2100	Principles of Marketing	3
	Constitutional Requirements	3
	Lab Science I	4
	*Approved Electives	4
<b>Total</b>		<b>17</b>

Spring Semester		Credit
ACCT 1020	Principles of Accounting II	3
BADM 2010	Business Law I	3
ENGL 2020	Introduction to Literature	3
HLED 1221	Standard First Aid & Safety	2
	*Approved Electives	3
	Outcomes Assessment: Portfolio	
<b>Total</b>		<b>14</b>

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

## CHEMISTRY (AS) 63 CREDITS

We live in a chemical world. From the water we drink, to the air we breathe, to every aspect of the roads we travel and the homes we live in, we spend our lives in chemical environments. In fact, chemistry is often called the "Central Science" because it touches on every other field of scientific inquiry. So it makes sense that you can carry a knowledge of chemistry into a widely diverse range of career opportunities in Biotechnology, Chemical Analysis, Chemical Engineering, Chemical Technology, Criminology, Education, Energy, Environmental Science, Industrial Chemistry, Manufacturing, Medical Research, Medicine, Metallurgy, Toxicology and Pharmacology to name a few.

Chemistry students study composition, structure, properties, and reactions of matter with emphasis on atomic and molecular systems. The major is designed to meet the needs of students whose principal interest is in chemistry, biochemistry, or medicine.

Students learn from each other as well in our small classes encourage collaboration and make a challenging subject easier and more enjoyable to study. The Associate in Science degree in Chemistry for Transfer provides a clearly articulated curricular track for students who wish to transfer to baccalaureate degree programs at University of Wyoming.

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

## FRESHMAN YEAR

Fall Semester		Credit
CHEM 1020	General Chemistry I	4
ENGL 1010	English I: Composition	3
HMDV 1000	College Studies	1
MATH 2200	Calculus I	4
PHYS 1110	General Physics I	4
<b>Total</b>		<b>16</b>

Spring Semester		Credit
CHEM 1030	General Chemistry II	4
CO/M 2010	Public Speaking	3
MATH 2205	Calculus II	5
PHYS 1120	General Physics II	4
<b>Total</b>		<b>16</b>

## SOPHOMORE YEAR

Fall Semester		Credit
BIOL 1010	General Biology I	4
CHEM 2320	Organic Chemistry I	4
MATH 2210	Calculus III	5
POLS 1000	American & Wyoming Government	3
<b>Total</b>		<b>16</b>

Spring Semester		Credit
CHEM 2340	Organic Chemistry II	4
STAT 2050	Fundamentals of Statistics	4
	Arts & Humanities	3
	Physical Education Activity	1
	Social & Cultural Awareness	3
	Outcomes Assessment: Rubrics Based Assessment	
<b>Total</b>		<b>15</b>

# Programs of Instruction

## COMMUNICATION (AA) 60-61 Credits

Because there are so many possible majors within the field of communications, 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 approved electives, with a grade of "C" or better.

### FRESHMAN YEAR

Fall Semester	Credit
ENGL 1010 English I: Composition	3
MATH 1000 Problem Solving	3-4
or MATH 1400 Pre-Calculus Algebra	
Freshman Foundations	1
Physical Education Activity	1
Social & Cultural Awareness	3
**Approved Communication Electives	4
<b>Total</b>	<b>15-16</b>

Spring Semester	Credit
CO/M 1040 Introduction to Human Communication	3
CO/M 2010 Public Speaking	3
ENGL 2020 Introduction to Literature	3
Lab Science I	4
*Approved Electives	3
<b>Total</b>	<b>16</b>

### SOPHOMORE YEAR

Fall Semester	Credit
CO/M 1030 Interpersonal Communication	3
Constitutional Requirements	3
*Approved Electives	9
<b>Total</b>	<b>15</b>

Spring Semester	Credit
Arts & Humanities	3
*Approved Electives	10
Outcomes Assessment:	
SOSC 2395 Social Science Capstone Experience	1
<b>Total</b>	<b>14</b>

**\*Approved Electives:** Any course at the 1000 or above level with the following prefixes: ART, AMST, ANTH, ECON, ENGL, GEOG, HIST, INST, PHIL, POLS, PSYC, RELI, SOC, SOSC, SOWK, SPAN, STAT, or WMST.

**\*\*Approved Communication Electives:**

BADM 1020 Business Communications	3
CO/M 1000 Introduction to Mass Media	3
CO/M 2058 Forensics	1
CO/M 2100 Reporting & Newswriting I	3
JOUR 1010 Publications Production I	1

## COMPUTER APPLICATIONS (CERT LESS THAN 1 YR) 12 Credits

This program will enable a student to meet the entry level requirements for jobs that require computer software uses. It will provide a solid background in current software uses and a foundation to learn new software programs. It will provide a solid foundation for beginning employment skills in computer software related employment.

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

Fall or Spring Semester	Credit
CMAP 1500 Computer Keyboarding	1
CMAP 1610 Windows	1
CMAP 1715 Word Processing:	
Microsoft Word	2
CMAP 1765 Spreadsheet Applications II:	
Microsoft Excel	2
CMAP 1900 Integrated Applications I:	
Microsoft Office	2
CMAP 1915 MS Office-Advanced Concepts & Techniques	2
CMAP 2630 Presentation Graphics:	
PowerPoint	1
Freshman Foundations	1
Outcomes Assessment:	
Portfolio	
<b>Total</b>	<b>12</b>

Federal Financial Aid is not available for this certificate program.

# Programs of Instruction

## COSMETOLOGY (AAS) 74+ Credits

The Cosmetology program is an 1800 clock hour program that covers curriculum set by Wyoming law and includes 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.

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

### FRESHMAN YEAR

Fall Semester		Credit
CSMO 1500	Intro to Nail Technology	3
CSMO 1505	Nail Technology Lab	5
CSMO 1705	Hair Fundamentals	4
CSMO 1720	General Cosmetology Science	3
CMAP 1900	Integrated Applications I: Microsoft Office	2
ENTR 1500 or ENTR 1520 or ENTR 2500	Successful Entrepreneurship Creating a Business Plan Small Business Operation Management	2
	Freshman Foundations	1
	<b>Total</b>	<b>20</b>

Spring Semester		Credit
BADM 1005 or MATH 1515	Business Mathematics I Applied Technical Mathematics	3
CSMO 1600	Intro to Skin Technology	3
CSMO 1605	Skin Technology Lab	1
CSMO 1610	Esthetic Concepts I	2
CSMO 1700	Intro to Hair Technology	3
CSMO 1710	Intro to Hair Technology II	2
CSMO 1715	Hair Fundamentals II	2
CSMO 1785	Clinical Applications II	3
	<b>Total</b>	<b>19</b>

### SOPHOMORE YEAR

Fall Semester		Credit
CSMO 1730	Cosmetology Lab I	3
CSMO 1735	Cosmetology Lab II	3
CSMO 1790	Clinical Applications III	6
CSMO 1795	Clinical Applications IV	6
	<b>Total</b>	<b>18</b>

Spring Semester		Credit
CSMO 1740	Cosmetology Lab V	3
CSMO 1800	Clinical Applications V	6
CSMO 1805	Clinical Applications VI Communication 1	2-6 3
	Constitutional Requirements	2-3
	Outcomes Assessment:	
CSMO 1875	Cosmetology Assessment	1
	<b>Total</b>	<b>17+</b>

### Optional Summer Semester Courses

CSMO 1745	Techniques in Cosmetology	3
CSMO 1810	Clinical Applications VIII	1-6
	<b>Total</b>	<b>4-9</b>

Federal Financial Aid is awarded and disbursed according to clock hour regulations.

## COSMETOLOGY - BARBERING TECHNICIAN (CERT 1 YR) 30 Credits

The Barber Technician Certificate program (no chemicals) includes the 1000 hours of barbering course work as required by Wyoming Law. It combines theory classes, practical work and hands-on clientele practice. Completion of this program prepares the student for national testing in barbering technology.

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

Fall Semester		Credit
BARB 1525	Barbering Hair Fundamentals I	4
BARB 1550	General Science of Barbering	3
	<b>Total</b>	<b>7</b>

Spring Semester		Credit
BARB 1500	Clinical Applications I	4
BARB 1505	Clinical Applications II	3
BARB 1520	Barbering Shop Management/ Business Methods	3
BARB 1530	Barbering Hair Fundamentals II	3
	<b>Total</b>	<b>13</b>

Summer Semester		Credit
BARB 1535	Clinical Applications VIII	6
BARB 1625	Techniques in Barbering	3
	Outcomes Assessment:	
BARB 1675	Barbering Assessment	1
	<b>Total</b>	<b>10</b>

# Programs of Instruction

For more information about this certificate program, links to occupational information, estimated program cost, normal time for program completion, median debt at program completion (if available), please visit EWC's website at: <http://ewc.wy.edu/future-students/financial-aid/career/>.

Federal Financial Aid is awarded and disbursed according to clock hour regulations.

## **COSMETOLOGY - ESTHETICS (CERT LESS THAN 1 YR) 22 Credits**

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, including approved electives, with a grade of "C" or better.

<b>Spring Semester</b>		<b>Credit</b>
CSMO 1600	Intro to Skin Technology	3
CSMO 1605	Skin Technology Lab	1
CSMO 1610	Esthetics Concepts I	2
CSMO 1795	Clinical Applications IV	6
<b>Total</b>		<b>12</b>

<b>Summer Semester</b>		<b>Credit</b>
CSMO 1725	General Cosmetology Science II	3
CSMO 1810	Clinical Applications VIII Outcomes Assessment:	1-6
CSMO 1675	Esthetics Assessment	1
<b>Total</b>		<b>10</b>

For more information about this certificate program, links to occupational information, estimated program cost, normal time for program completion, median debt at program completion (if available), please visit EWC's website at: <http://ewc.wy.edu/future-students/financial-aid/career/>.

Federal Financial Aid is awarded and disbursed according to clock hour regulations.

## **COSMETOLOGY - HAIR TECHNICIAN (CERT 1 YR) 30 Credits**

The Hair Technology Certificate is designed for the student who only desires education/training in the area of hair design. This program begins in the SECOND HALF of the fall semester, and ends in the summer semester. Completion of this program prepares the student for national testing in the area of hair technology.

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

<b>Fall Semester</b>		<b>Credit</b>
CSMO 1705	Hair Fundamentals	4
CSMO 1720	General Cosmetology Science	3
<b>Total</b>		<b>7</b>

<b>Spring Semester</b>		<b>Credit</b>
CSMO 1700	Intro to Hair Technology	3
CSMO 1710	Intro to Hair Technology II	2
CSMO 1715	Hair Fundamentals II	2
CSMO 1780	Clinical Applications I	3
CSMO 1785	Clinical Applications II	3
<b>Total</b>		<b>13</b>

<b>Summer Semester</b>		<b>Credit</b>
CSMO 1745	Techniques in Cosmetology	3
CSMO 1810	Clinical Applications VIII Outcomes Assessment:	1-6
CSMO 1775	Hair Technician Assessment	1
<b>Total</b>		<b>10</b>

For more information about this certificate program, links to occupational information, estimated program cost, normal time for program completion, median debt at program completion (if available), please visit EWC's website at: <http://ewc.wy.edu/future-students/financial-aid/career/>.

Federal Financial Aid is awarded and disbursed according to clock hour regulations.

# Programs of Instruction

## COSMETOLOGY - NAIL TECHNICIAN (CERT LESS THAN 1 YR) 18 Credits

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, including approved electives, with a grade of "C" or better.

Fall Semester		Credit
CSMO 1500	Intro to Nail Technology	3
CSMO 1505	Nail Technology Lab	5
CSMO 1720	General Cosmetology Science	3
CSMO 1795	Clinical Applications IV Outcomes Assessment:	6
CSMO 1575	Nail Technician Assessment	1
<b>Total</b>		<b>18</b>

Federal Financial Aid is not available for this certificate program.

## CRIMINAL JUSTICE (AA) 60-61 Credits

This program introduces students to the criminal justice system through instruction in its theoretical and legal frameworks. It incorporates elements of various fields within criminal justice in order to provide students a strong foundation of coursework as well as practical skills necessary to enter the workforce. Coursework includes introductory criminal justice courses central to the field and specialized electives allowing students opportunity to pursue a specific focus. Students should work closely with their advisor to select electives best suited to fulfill their transfer/career needs.

**Program Note:** Those considering a career in a criminal justice field should be aware of strict admissions criteria employed by state stands and criminal justice agencies. Factors that may disqualify candidates for employment in the profession include conviction of a crime, history of drug abuse, psychological problems, and various physical conditions. Certain classes in the Eastern Wyoming College criminal justice programs may also be restricted to individuals for the same reasons. Please consult with a department faculty advisor if you have any concerns in this area.

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

## FRESHMAN YEAR

Fall Semester		Credit
CRMJ 2120	Introduction to Criminal Justice	3
CRMJ 2350	Introduction to Corrections	3
ENGL 1010	English I: Composition	3
SOC 1000	Sociological Principles	3
	Freshman Foundations	1
	Physical Education Activity	1
<b>Total</b>		<b>14</b>

Spring Semester		Credit
CRMJ 2210	Criminal Law I	3
CRMJ 2420	Juvenile Justice	3
MATH 1000	Problem Solving	3-4
or MATH 1400	Pre-Calculus Algebra	
POLS 1000	American & Wyoming Government	3
	**Approved Criminal Justice Electives	3
<b>Total</b>		<b>15-16</b>

## SOPHOMORE YEAR

Fall Semester		Credit
CRMJ 2400	Criminology	3
	Lab Science I	4
	*Approved Electives	6
	**Approved Criminal Justice Electives	3
<b>Total</b>		<b>16</b>

Spring Semester		Credit
CRMJ 2690	Supervised Lab Experience	2
	Arts & Humanities	3
	Communication 2	3
	*Approved Electives	3
	**Approved Criminal Justice Electives	3
	Outcomes Assessment:	
CRMJ 2895	Criminal Justice Capstone	1
<b>Total</b>		<b>15</b>

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

**\*\*Approved Criminal Justice Electives:**

CRMJ 1510	Law Enforcement Procedures	3
CRMJ/		
PSYC 2125	Forensic Psychology	3
CRMJ 2250	Criminal Justice Administration	3
CRMJ 2280	Criminal Procedures	3
CRMJ 2370	Institutional Corrections	3
CRMJ 2550	Criminal Investigation I	3
CRMJ 2590	Drugs & Criminal Justice	3

# Programs of Instruction

## CRIMINAL JUSTICE DISTANCE LEARNING (AA) 60-61 CREDITS

This program introduces students to the criminal justice system through instruction in its theoretical and legal frameworks. It incorporates elements of various fields within criminal justice in order to provide students a strong foundation of coursework as well as practical skills necessary to enter the workforce. Coursework includes introductory criminal justice courses central to the field and specialized electives allowing students opportunity to pursue a specific focus. Students should work closely with their advisor to select electives best suited to fulfill their transfer/career needs.

**Program Note:** Those considering a career in a criminal justice field should be aware of strict admissions criteria employed by state stands and criminal justice agencies. Factors that may disqualify candidates for employment in the profession include conviction of a crime, history of drug abuse, psychological problems, and various physical conditions. Certain classes in the Eastern Wyoming College criminal justice programs may also be restricted to individuals for the same reasons. Please consult with a department faculty advisor if you have any concerns in this area.

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

### FRESHMAN YEAR

Fall Semester	Credit
CRMJ 2120 Introduction to Criminal Justice	3
CRMJ 2350 Introduction to Corrections	3
ENGL 1010 English I: Composition	3
SOC 1000 Sociological Principles	3
Freshman Foundations	1
Physical Education Activity	1
<b>Total</b>	<b>14</b>

Spring Semester	Credit
CRMJ 2210 Criminal Law I	3
CRMJ 2420 Juvenile Justice	3
MATH 1000 Problem Solving	3-4
or MATH 1400 Pre-Calculus Algebra	
POLS 1000 American & Wyoming Government	3
<b>Total</b>	<b>15-16</b>

### SOPHOMORE YEAR

Fall Semester	Credit
CRMJ 2400 Criminology	3
Lab Science I	4
*Approved Electives	6
**Approved Criminal Justice Electives	3
<b>Total</b>	<b>16</b>

Spring Semester	Credit
CRMJ 2690 Supervised Lab Experience	2
Arts & Humanities	3
Communication 2	3
*Approved Electives	3
**Approved Criminal Justice Electives	3
Outcomes Assessment:	
CRMJ 2895 Criminal Justice Capstone	1
<b>Total</b>	<b>15</b>

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

**\*\*Approved Criminal Justice Electives:**

CRMJ 1510 Law Enforcement Procedures	3
CRMJ/ PSYC 2125 Forensic Psychology	3
CRMJ 2250 Criminal Justice Administration	3
CRMJ 2280 Criminal Procedures	3
CRMJ 2370 Institutional Corrections	3
CRMJ 2550 Criminal Investigation I	3 CRMJ
2590 Drugs & Criminal Justice	3

# Programs of Instruction

## CRIMINAL JUSTICE (AAS) 60-61 Credits

The A.A.S. degree in Criminal Justice prepares the graduate for entry into the workforce in a variety of fields including law enforcement, corrections, and probation and parole. Graduates will develop professional and practical skills relevant to the field of criminal justice. Various opportunities to pursue a Bachelor's of Applied Science may be available to graduates.

**Program Note:** Those considering a career in a criminal justice field should be aware of strict admissions criteria employed by state standards and criminal justice agencies. Factors that may disqualify candidates for employment in the profession include conviction of a crime, history of drug abuse, psychological problems, and various physical conditions. Certain classes in the Eastern Wyoming College criminal justice programs may also be restricted to individuals for the same reasons. Please consult with a department faculty advisor if you have any concerns in this area.

Students must complete all program requirements, including approved electives, with a grade of "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	3
	Communication 1	3
	Constitutional Requirements 2-3	
	Freshman Foundations	1
	<b>Total</b>	<b>15-16</b>

Spring Semester		Credit
CO/M 2010	Public Speaking	3
or CO/M 1030	Interpersonal Communication	
CRMJ 1520	Law Enforcement Operations	3
CRMJ 2420	Juvenile Justice	3
CRMJ 2550	Criminal Investigation I	3
MATH 1515	Applied Technical Mathematics	3
	Physical Education Activity	1
	<b>Total</b>	<b>16</b>

### SOPHOMORE YEAR

Fall Semester		Credit
CRMJ 2280	Criminal Procedures	3
CRMJ 2560	Criminal Investigation II	3
CRMJ 2590	Drugs & Criminal Justice	3
CRMJ 2781	Use of Force I	3
PSYC 1000	General Psychology	3
	<b>Total</b>	<b>15</b>

Spring Semester		Credit
CRMJ 2125	Forensic Psychology	3
CRMJ 2570	Criminalistics (Forensics)	3
CRMJ 2690	Supervised Lab Experience	2
CRMJ 2791	Use of Force II	3
HLED 1221	Standard First Aid & Safety	2
	Outcomes Assessment:	
CRMJ 2895	Criminal Justice Capstone Project	1
	<b>Total</b>	<b>14</b>

## CRIMINAL JUSTICE CORRECTIONS (CERT 1 YR) 31-32 Credits

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.

**Program Note:** Those considering a career in a criminal justice field should be aware of strict admissions criteria employed by state standards and criminal justice agencies. Factors that may disqualify candidates for employment in the profession include conviction of a crime, history of drug abuse, psychological problems, and various physical conditions. Certain classes in the Eastern Wyoming College criminal justice programs may also be restricted to individuals for the same reasons. Please consult with a department faculty advisor if you have any concerns in this area.

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

# Programs of Instruction

## FRESHMAN YEAR

Fall Semester		Credit
CRMJ 2120	Intro to Criminal Justice	3
CRMJ 2350	Intro to Corrections	3
MATH 1515	Applied Technical Mathematics	3
PSYC 1000	General Psychology	3
	Constitutional Requirements 2-3	
	Freshman Foundations	1
<b>Total</b>		<b>15-16</b>

Spring Semester		Credit
CO/M 1030	Interpersonal Communications	3
CRMJ 2125	Forensic Psychology	3
CRMJ 2210	Criminal Law I	3
CRMJ 2370	Institutional Corrections Communication 1	3
	Physical Education Activity	1
	Outcomes Assessment: Departmental Paper	
<b>Total</b>		<b>16</b>

For more information about this certificate program, links to occupational information, estimated program cost, normal time for program completion, median debt at program completion (if available), please visit EWC's website at: <http://ewc.wy.edu/future-students/financial-aid/career/>.

## CRIMINAL JUSTICE CORRECTIONS DISTANCE LEARNING (CERT 1 YR) 31-32 Credits

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.

**Program Note:** Those considering a career in a criminal justice field should be aware of strict admissions criteria employed by state stands and criminal justice agencies. Factors that may disqualify candidates for employment in the profession include conviction of a crime, history of drug abuse, psychological problems, and various physical conditions. Certain classes in the Eastern Wyoming College criminal justice programs may also be restricted to individuals for the same reasons. Please consult with a department faculty advisor if you have any concerns in this area.

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	Intro to Corrections	3
MATH 1515	Applied Technical Mathematics	3
PSYC 1000	General Psychology	3
	Constitutional Requirements 2-3	
	Freshman Foundations	1
<b>Total</b>		<b>15-16</b>

Spring Semester		Credit
CO/M 1030	Interpersonal Communications	3
CRMJ 2125	Forensic Psychology	3
CRMJ 2210	Criminal Law I	3
CRMJ 2370	Institutional Corrections Communication 1	3
	Physical Education Activity	1
	Outcomes Assessment: Departmental Paper	
<b>Total</b>		<b>16</b>

For more information about this certificate program, links to occupational information, estimated program cost, normal time for program completion, median debt at program completion (if available), please visit EWC's website at: <http://ewc.wy.edu/future-students/financial-aid/career/>.

## ECONOMICS (AS) 60 Credits

The suggested program in Economics allows the student to earn an Associate of Science Degree while completing the first two years of college work toward a bachelor's degree. Economics is the study of how scarce resources are allocated in our economy and in the global economy. Students will learn how profits in business can be optimized, and how informed decisions and predictions in business can be reasonably made. Economics can develop valuable skills for survival and success in today's world.

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

# Programs of Instruction

## FRESHMAN YEAR

Fall Semester		Credit
CO/M 2010	Public Speaking	3
ECON 1010	Macroeconomics	3
ENGL 1010	English I: Composition	3
	Constitutional Requirements	3
	Freshman Foundations	1
	*Approved Electives	2
<b>Total</b>		<b>15</b>

Spring Semester		Credit
ECON 1020	Microeconomics	3
ENGL 2020	Introduction to Literature	3
MATH 1400	Pre-Calculus Algebra	4
PSYC 1000	General Psychology	3
	Lab Science I	4
<b>Total</b>		<b>17</b>

## SOPHOMORE YEAR

Fall Semester		Credit
ACCT 1010	Principles of Accounting I	3
MATH 2350	Business Calculus	4
STAT 2050	Fundamentals of Statistics	4
	Arts & Humanities	3
	Physical Education Activity	1
<b>Total</b>		<b>15</b>

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

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

## EDUCATION - ELEMENTARY (AA) 60 Credits

The Associate of Arts Degree in Education includes freshman and sophomore level 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.

Eastern Wyoming College maintains articulation agreements with several regional four-year institutions. Students should consult and work closely with their academic advisor to ensure

successful transfer with these institutions. While transfer institutions are similar in most instances, each institution has unique degree requirements that only academic advisors may be aware of. It is in the student's best interest to work with an advisor who can help facilitate the transfer process.

Notice of background check: All education students are subject to background checks for selected educational coursework involving student contact and future employment as professionals in education and related fields. Student financial aid may be used to cover the cost.

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

## FRESHMAN YEAR

Fall Semester		Credit
EDEL 1410	Elementary School Math Seminar I	1
EDFD 2020	Foundations of Education	3
ENGL 1010	English I: Composition	3
MATH 1100	Math for Elementary Teachers I	3
	Constitutional Requirements	3
	Freshman Foundations	1
	Physical Education Activity	1
<b>Total</b>		<b>15</b>

Spring Semester		Credit
EDEL 2410	Elementary School Math Seminar II	1
EDUC 2100	Practicum in Teaching	2
ENGL 2020	Introduction to Literature or CO/M 2010 Public Speaking	3
LIBS 2280	Literature for Children	3
MATH 2120	Math for Elementary Teachers II	3
	*Approved Electives	3
<b>Total</b>		<b>15</b>

## SOPHOMORE YEAR

Fall Semester		Credit
EDFD 2100	Educational Psychology	3
ITEC 2360	Teaching with Technology	3
	Lab Science I	4
	Social & Cultural Awareness	3
	*Approved Electives	3
<b>Total</b>		<b>16</b>

# Programs of Instruction

Spring Semester	Credit
EDEX 2485 Introduction to Special Education	3
EDFD 2450 Lifespan Human Development	3
*Approved Electives	7
EDUC 2800 Outcomes Assessment: Capstone: Education	1
<b>Total</b>	<b>14</b>

**\*Approved Electives:** Any course at the 1000 or above level with the following prefixes:

ANTH, ART, BIOL, CHEM, EDUC, EDEC, EDEL, ENGL, FCSC, FREN, GEOG, GEOL, GERM, HLED, HIST, MATH, MOLB, MUSC, PHIL, PEAC, PEPR, PHYS, POLS, PSYC, RELI, SOSOC, SPAN, STAT, THEA, WMST or ZOO

## EDUCATION - ELEMENTARY DISTANCE LEARNING (AA) 60 Credits

The Associate of Arts Degree in Education includes freshman and sophomore level 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.

Eastern Wyoming College maintains articulation agreements with several regional four-year institutions. Students should consult and work closely with their academic advisor to ensure successful transfer with these institutions. While transfer institutions are similar in most instances, each institution has unique degree requirements that only academic advisors may be aware of. It is in the student's best interest to work with an advisor who can help facilitate the transfer process.

Notice of background check: All education students are subject to background checks for selected educational coursework involving student contact and future employment as professionals in education and related fields. Student financial aid may be used to cover the cost.

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

## FRESHMAN YEAR

Fall Semester	Credit
EDEL 1410 Elementary School Math Seminar I	1
EDFD 2020 Foundations of Education	3
ENGL 1010 English I: Composition	3
MATH 1100 Math for Elementary Teachers I	3
Constitutional Requirements	3
Freshman Foundations	1
Physical Education Activity	1
<b>Total</b>	<b>15</b>

Spring Semester	Credit
EDEL 2410 Elementary School Math Seminar II	1
EDUC 2100 Practicum in Teaching	2
ENGL 2020 Introduction to Literature or CO/M 2010 Public Speaking	3
LIBS 2280 Literature for Children	3
MATH 2120 Math for Elementary Teachers II	3
*Approved Electives	3
<b>Total</b>	<b>15</b>

## SOPHOMORE YEAR

Fall Semester	Credit
EDFD 2100 Educational Psychology	3
ITEC 2360 Teaching with Technology Lab Science I	4
Social & Cultural Awareness	3
*Approved Electives	3
<b>Total</b>	<b>16</b>

Spring Semester	Credit
EDEX 2485 Introduction to Special Education	3
EDFD 2450 Lifespan Human Development	3
*Approved Electives	7
EDUC 2800 Outcomes Assessment: Education Capstone	1
<b>Total</b>	<b>14</b>

**\*Approved Electives:** Any course at the 1000 or above level with the following prefixes:

ANTH, ART, BIOL, CHEM, EDUC, EDEC, EDEL, ENGL, FCSC, FREN, GEOG, GEOL, GERM, HLED, HIST, MATH, MOLB, MUSC, PHIL, PEAC, PEPR, PHYS, POLS, PSYC, RELI, SOSOC, SPAN, STAT, THEA, WMST or ZOO

# Programs of Instruction

## EDUCATION - EARLY CHILDHOOD (AA) 60-61 Credits

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 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.

Notice of background check: All education students are subject to background checks for selected educational coursework involving student contact and future employment as professionals in education and related fields. Student financial aid may be used to cover the cost.

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

### FRESHMAN YEAR

Fall Semester	Credit
EDEC 1020 Intro to Early Childhood Education	3
ENGL 1010 English I: Composition	3
Constitutional Requirements	3
Freshman Foundations	1
Physical Education Activity	1
Social & Cultural Awareness	3
<b>Total</b>	<b>14</b>

Spring Semester	Credit
FCSC 2121 Child Development	4
HLED 1221 Standard First Aid & Safety	2
MATH 1000 Problem Solving	3
or BADM 1005 Business Mathematics I	
Communication 2	3
*Program/Additional Electives	3
<b>Total</b>	<b>15</b>

### SOPHOMORE YEAR

Fall Semester	Credit
EDEC 2000 Engaging Families in Early Childhood Setting	3
ITEC 2360 Teaching with Technology	3
LIBS 2280 Literature for Children	3
Lab Science I	4
*Program/Additional Electives	3
<b>Total</b>	<b>16</b>

Spring Semester	Credit
*Program/Additional Electives	14-15
EDUC 2800 Outcomes Assessment: Education Capstone	1
<b>Total</b>	<b>15-16</b>

### \*Approved Program/Additional Electives for Education - Early Childhood and Education - Early Childhood Distance Learning:

Program Electives: Students should take a minimum of 4 courses from the following list (11-12 credit hours).

EDEC 1100 Observation & Guidance of Young Children	2
EDEC 1105 Observation & Guidance of Young Children Lab	1
EDEC 1200 Administration in Early Childhood Programs	3
EDEC 1300 Curriculum Planning & Development for Young Children	2
EDEC 1305 Curriculum Planning & Development for Young Children Lab	1
EDFD 2020 Foundations of Education	3
EDUC 2100 Practicum in Teaching	2

Additional Electives: Students may take 8 or more credit hours from the following list of courses.

ART 2074 Art for the Elementary/Middle School Teacher	3
BADM 1000 Introduction to Business	3
BADM 1020 Business Communications	3
BADM 1030 Personal Finance	3
CO/M 2010 Public Speaking	3
CO/M 1040 Introduction to Human Communication	3
EDEX 2484 Introduction to Special Education	3
FCSC 1141 Principles of Nutrition	3
MUSC 2018 Music for Elementary Classroom Teachers	3
PEPR 1052 Prevention of Athletic Injuries/Illness	3
PSYC 1000 General Psychology	3
SOC 1000 Sociological Principles	3

# Programs of Instruction

## EDUCATION - EARLY CHILDHOOD DISTANCE LEARNING (AA) 60-61 Credits

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 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.

Notice of background check: All education students are subject to background checks for selected educational coursework involving student contact and future employment as professionals in education and related fields. Student financial aid may be used to cover the cost.

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

### FRESHMAN YEAR

Fall Semester	Credit
EDEC 1020 Intro to Early Childhood Education	3
ENGL 1010 English I: Composition	3
Constitutional Requirements	3
Freshman Foundations	1
Physical Education Activity	1
Social & Cultural Awareness	3
<b>Total</b>	<b>14</b>

Spring Semester	Credit
FCSC 2121 Child Development	4
HLED 1221 Standard First Aid & Safety	2
MATH 1000 Problem Solving	3
or BADM 1005 Business Mathematics I	
Communication 2	3
*Program/Additional Electives	3
<b>Total</b>	<b>15</b>

## SOPHOMORE YEAR

Fall Semester	Credit
EDED 2000 Engaging Families in Early Childhood Setting	3
ITEC 2360 Teaching with Technology	3
LIBS 2280 Literature for Children	3
Lab Science I	4
*Program/Additional Electives	3
<b>Total</b>	<b>16</b>

Spring Semester	Credit
*Program/Additional Electives	14-15
Outcomes Assessment:	
EDUC 2800 Education Capstone	1
<b>Total</b>	<b>15-16</b>

## EDUCATION - SECONDARY (AA) 60 Credits

The Associate of Arts degree in Secondary Education includes freshman and sophomore level courses required for most students majoring in secondary education. The program provides students with the knowledge and skills necessary to become a teacher while earning transfer credit in the chosen content area (Science, Math, History, Social Studies, Agriculture, English, etc.).

Eastern Wyoming College maintains articulation agreements with several regional four-year institutions. Students should consult and work closely with their academic advisor to ensure successful transfer with these institutions. While transfer institutions are similar in most instances, each institution has unique degree requirements that only academic advisors may be aware of. It is in the student's best interest to work with an advisor who can help facilitate the transfer process.

Notice of background check: All education students are subject to background checks for selected educational coursework involving student contact and future employment as professionals in education and related fields. Student financial aid may be used to cover the cost.

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

# Programs of Instruction

## FRESHMAN YEAR

<b>Fall Semester</b>		<b>Credit</b>
EDFD 2020	Foundations of Education	3
ENGL 1010	English I: Composition	3
MATH 1000	Problem Solving	3
PSYC 1000	General Psychology	3
	Freshman Foundations	1
	Physical Education Activity	1
<b>Total</b>		<b>14</b>

<b>Spring Semester</b>		<b>Credit</b>
EDUC 2100	Practicum in Teaching	2
ENGL 2020	Introduction to Literature	3
or CO/M 2010	Public Speaking	
	Constitutional Requirements	3
	*Area of Concentration/ Approved Electives	7
<b>Total</b>		<b>15</b>

## SOPHOMORE YEAR

<b>Fall Semester</b>		<b>Credit</b>
EDFD 2100	Educational Psychology	3
ITEC 2360	Teaching with Technology	3
	Arts & Humanities	3
	Lab Science I	4
	*Area of Concentration/ Approved Electives	3
<b>Total</b>		<b>16</b>

<b>Spring Semester</b>		<b>Credit</b>
EDEX 2484	Introduction to Special Education	3
	*Area of Concentration/ Approved Electives	11
	Outcomes Assessment:	
EDUC 2800	Capstone: Education	1
<b>Total</b>		<b>15</b>

### \*Area of Concentration/Approved Electives:

Take any course at the 1000 or above level with the following prefixes: ACCT, AGECE, AGRI, AGTK, AECL, AMST, ANSC, ANTH, ART, BIOL, BADM, CHEM, CO/M, ECON, EDEC, EDEL, EDFD, ELTR, ENTK, ENGL, EQST, FCSC, FREN, GEOG, GEOL, GERM, HLED, HIST, JOUR, MCHT, MGT, MKT, MATH, MOLB, MUSC, PHIL, PEAC, PEAT, PEPR, PHYS, POLS, PSYC, REWM, RELI, RNEW, SAFE, SOC, SOSO, SOWK, SOIL, SPAN, STAT, THEA, WELD, WMST, and ZOO.

## EDUCATION-SECONDARY (AA) Agriculture Option

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 students 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.

Notice of background check: All education students are subject to background checks for selected educational coursework involving student contact and future employment as professionals in education and related fields. Student financial aid may be used to cover the cost.

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>
AECL 1000	Agroecology	4
AGRI 1000	Issues in Agriculture	1
EDFD 2020	Foundations of Education	3
ENGL 1010	English I: Composition	3
MATH 1400	Pre-Calculus Algebra	4
	Physical Education Activity	1
<b>Total</b>		<b>16</b>

<b>Spring Semester</b>		<b>Credit</b>
ANSC 1010	Introduction to Animal Science	4
EDUC 2100	Practicum in Teaching Communication 2	2 3
	Constitutional Requirements	3
	Social & Cultural Awareness	3
<b>Total</b>		<b>15</b>

## SOPHOMORE YEAR

<b>Fall Semester</b>		<b>Credit</b>
AGEC 1010	Agricultural Economics I	3
ANSC 2030	Principles of Livestock Feeding	4
EDFD 2100	Educational Psychology	3
ITEC 2360	Teaching with Technology	3
	*Approved Elective	1
<b>Total</b>		<b>14</b>

# Programs of Instruction

Spring Semester		Credit
CHEM 1000	Introductory Chemistry	4
EDEX 2484	Introduction to Special Education	3
REWM 2000	Principles of Range Management	3
	Arts & Humanities	3
	Outcomes Assessment:	
AGEC 2395	Ag Capstone Project	2
<b>Total</b>		<b>15</b>

<p><b>*Additional requirements/electives for Education-Secondary Agriculture Option majors:</b></p>
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BIOL 1010	General Biology I	4
CO/M 2010	Public Speaking	3
EDFD 2450	Lifespan Human Development	3
ENGL 2020	Introduction to Literature	3

### EDUCATION-SECONDARY (AA) Physical Education Option

The Physical Education K-12 teacher track is for students planning to transfer to a four-year institution and major in PE education. The secondary education program of study is the program students should follow. However, it is important that students work with their advisor when selecting electives and area of concentration courses.

Notice of background check: All education students are subject to background checks for selected educational coursework involving student contact and future employment as professionals in education and related fields. Student financial aid may be used to cover the cost.

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

### FRESHMAN YEAR

Fall Semester		Credit
EDFD 2020	Foundations of Education	3
ENGL 1010	English I: Composition	3
MATH 1000	Problem Solving	3
PSYC 1000	General Psychology	3
	Freshman Foundations	1
	Physical Education Activity	1
<b>Total</b>		<b>14</b>

Spring Semester		Credit
EDUC 2100	Practicum in Teaching	2
	Communication 2	3
	Constitutional Requirements	3
	*Area of Concentration/ Approved Electives	7
<b>Total</b>		<b>15</b>

### SOPHOMORE YEAR

Fall Semester		Credit
EDFD 2100	Educational Psychology	3
ITEC 2360	Teaching with Technology	3
	Arts & Humanities	3
	Lab Science I	4
	*Area of Concentration/ Approved Electives	3
<b>Total</b>		<b>16</b>

Spring Semester		Credit
EDEX 2484	Introduction to Special Education	3
	*Area of Concentration/ Approved Electives	11
	Outcomes Assessment:	
EDUC 2800	Capstone: Education	1
<b>Total</b>		<b>15</b>

<p><b>*Area of Concentration/Approved Electives for Education-Secondary Physical Education Option:</b></p>
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Take any course at the 1000 or above level with the following prefixes: ACCT, AMST, ANTH, ART, BIOL, BADM, CHEM, CO/M, ECON, EDEC, EDEL, EDFD, ELTR, ENTK, ENGL, FCSC, FREN, GEOG, GEOL, GERM, HLED, HIST, JOUR, MCHT, MGT, MKT, MATH, MOLB, MUSC, PHIL, PEAC, PEAT, PEPR, PHYS, POLS, PSYC, REWM, RELI, RNEW, SAFE, SOC, SOSC, SOWK, SPAN, STAT, THEA, WELD, WMST, and ZOO.

# Programs of Instruction

## EDUCATION - CHILD DEVELOPMENT (CERT 1 YR) 24 Credits

This program will enable students to meet the entry-level requirements for employment in an early childhood care and education setting. Students will gain basic knowledge of child development and acquire the fundamental skills necessary to effectively educate and care for young children. In addition to entry-level competencies, this program will also serve as partial completion for Elementary Education majors seeking a minor in Early Childhood Education, or an endorsement.

The certificate provides professional training through a combination of coursework and applied experiences working with children. Students will begin working on their professional portfolio as a requirement of the Child Development course.

Additionally, students seeking Child Development Associate (CDA) completion should note that FCSC 2121, EDEC 1100 & 1105, and EDEC 1300 & 1305 include a combined total of 90 hours of early childhood classroom experience as partial fulfillment to meet the CDA credential. The Child Development Associate credential is recognized nationally for entry-level employment into the childcare profession. Elementary Education majors completing all 12 hours of required courses with a grade of "C" or better, and at least one elective course will receive transfer credit at the University of Wyoming toward a minor in Early Childhood Education. Students transferring to another four-year institution should consult with their academic advisor regarding transferability of the certificate/courses.

Notice of background check: All education students are subject to background checks for selected educational coursework involving student contact and future employment as professionals in education and related fields. Student financial aid may be used to cover the cost.

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

Fall Semester		Credit
EDEC 1020	Introduction to Early Childhood Education	3
EDEC 1100	Observation & Guidance of Young Children	2
EDEC 1105	Observation & Guidance of Young Children Lab	1
EDEC 2000	Engaging Families in Early Childhood Settings	3
LIBS 2280	Literature for Children	3
<b>Total</b>		<b>12</b>

Spring Semester		Credit
EDEC 1200	Administration in Early Childhood Programs	3
EDEC 1300	Curriculum Planning & Development for Young Children	2
EDEC 1305	Curriculum Planning & Development for Young Children Lab	1
FCSC 2121	Child Development	4
HLED 1221	Standard First Aid & Safety Outcomes Assessment: Portfolio (Included in FCSC 2121 Course)	2
<b>Total</b>		<b>12</b>

## EDUCATION - CHILD DEVELOPMENT DISTANCE LEARNING (CERT 1 YR) 24 Credits

This program will enable students to meet the entry-level requirements for employment in an early childhood care and education setting. Students will gain basic knowledge of child development and acquire the fundamental skills necessary to effectively educate and care for young children. In addition to entry-level competencies, this program will also serve as partial completion for Elementary Education majors seeking a minor in Early Childhood Education, or an endorsement.

The certificate provides professional training through a combination of coursework and applied experiences working with children. Students will begin working on their professional portfolio as a requirement of the Child Development course.

Additionally, students seeking Child Development Associate (CDA) completion should note that FCSC 2121, EDEC 1100 & 1105, and EDEC 1300 & 1305 include a combined total of 90 hours of early childhood classroom experience as partial fulfillment to meet the CDA credential. The Child Development Associate credential is recognized nationally for entry-level employment into the childcare profession.

# Programs of Instruction

Elementary Education majors completing all 12 hours of required courses with a grade of “C” or better, and at least one elective course will receive transfer credit at the University of Wyoming toward a minor in Early Childhood Education. Students transferring to another four-year institution should consult with their academic advisor regarding transferability of the certificate/courses.

Notice of background check: All education students are subject to background checks for selected educational coursework involving student contact and future employment as professionals in education and related fields. Student financial aid may be used to cover the cost.

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

<b>Fall Semester</b>		<b>Credit</b>
EDEC 1020	Introduction to Early Childhood Education	3
EDEC 1100	Observation & Guidance of Young Children	2
EDEC 1105	Observation & Guidance of Young Children Lab	1
EDEC 2000	Engaging Families in Early Childhood Settings	3
LIBS 2280	Literature for Children	3
<b>Total</b>		<b>12</b>

<b>Spring Semester</b>		<b>Credit</b>
EDEC 1200	Administration in Early Childhood Programs	3
EDEC 1300	Curriculum Planning & Development for Young Children	2
EDEC 1305	Curriculum Planning & Development for Young Children Lab	1
FCSC 2121	Child Development	4
HLED 1221	Standard First Aid & Safety Outcomes Assessment: Portfolio (Included in FCSC 2121 Course)	2
<b>Total</b>		<b>12</b>

## **ENGLISH (AA) 60-61 Credits**

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	
MATH 1000	Problem Solving	3-4
or MATH 1400	Pre-Calculus Algebra	
		Constitutional Requirements 3
		Freshman Foundations 1
<b>Total</b>		<b>14-15</b>

<b>Spring Semester</b>		<b>Credit</b>
ENGL 2020	Introduction to Literature	3
FREN 1020	1st Year French II	4
or SPAN 1020	1st Year Spanish II	
		Lab Science I 4
		Physical Education Activity 1
		Social & Cultural Awareness 3
<b>Total</b>		<b>15</b>

### **SOPHOMORE YEAR**

<b>Fall Semester</b>		<b>Credit</b>
ENGL 2425	Literatures in English I	3
or ENGL 2430	Literatures in English II	
or ENGL 2435	Literatures in English III	
		Arts & Humanities 3
		Arts & Humanities or
		Social & Cultural Awareness 3
		*Approved Electives 6
<b>Total</b>		<b>15</b>

# Programs of Instruction

Spring Semester		Credit
ENGL 2425	Literatures in English I	3
or ENGL 2430	Literatures in English II	
or ENGL 2435	Literatures in English III	
PSYC 1000	General Psychology	3
	*Approved Electives	10
	Outcomes Assessment: Choice of Research Project, Journal, or Essay	
<b>Total</b>		<b>16</b>

## \*Approved Electives:

ART 2010	Art History I	3
ART 2020	Art History II	3
ENGL 2050	Creative Writing- Introduction to Fiction	3
ENGL 2440	Literary Genres: Short Story	3
HIST 1110	Western Civilization I	3
HIST 1120	Western Civilization II	3
PHIL 1000	Introduction to Philosophy	3
SOSC 2300	Ethics in Practice	3

## ENTREPRENEURSHIP (CERT LESS THAN 1YR) 18 Credits

The Entrepreneurship Certificate program provides students who have the desire to start a business with an understanding of the concepts to chart a successful course toward business ownership. Emphasis is placed on identifying and evaluating entrepreneurial potential to successfully start a business.

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

### FRESHMAN YEAR

Fall Semester		Credit
ACCT 1050	Practical Accounting I	2
CMA 1685	Computer Applications: Quick Books	1
ENTR 1500	Successful Entrepreneurship	2
ENTR 1520	Creating a Business Plan	2
ENTR 2500	Small Business Operations Management	2
ENTR 2520	Legal Issues for Entrepreneurs	2
MKT 1000	Sales	3
MKT 2100	Principles of Marketing	3
	*Approved Elective	1
	Outcomes Assessment: Business Plan Project	
<b>Total</b>		<b>18</b>

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

For more information about this certificate program, links to occupational information, estimated program cost, normal time for program completion, median debt at program completion (if available), please visit EWC's website at: <http://ewc.wy.edu/future-students/financial-aid/career/>.

## INTERDISCIPLINARY STUDIES (AA) 60-61 Credits

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 essential that you work with your academic advisor to select appropriate classes. 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.

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
	Freshman Foundations	1
	Mathematics	3-4
	Physical Education Activity	1
	*Approved Electives	7
<b>Total</b>		<b>15-16</b>

Spring Semester		Credit
	Communication 2	3
	Social & Cultural Awareness	3
	*Approved Electives	9
<b>Total</b>		<b>15</b>

### SOPHOMORE YEAR

Fall Semester		Credit
	Arts & Humanities	3
	Constitutional Requirements	3
	Lab Science I	4
	*Approved Electives	5
<b>Total</b>		<b>15</b>

Spring Semester		Credit
	Arts & Humanities or Social & Cultural Awareness	3
	*Approved Electives	12
	Outcomes Assessment: Determined by Area of Emphasis	
<b>Total</b>		<b>15</b>

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

# Programs of Instruction

## INTERDISCIPLINARY STUDIES (AA) DISTANCE LEARNING 60-61 Credits

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 essential that you work with your academic advisor to select appropriate classes. 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.

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
	Freshman Foundations	1
	Mathematics	3-4
	Physical Education Activity	1
	*Approved Electives	7
<b>Total</b>		<b>15-16</b>

Spring Semester		Credit
	Communication 2	3
	Social & Cultural Awareness	3
	*Approved Electives	9
<b>Total</b>		<b>15</b>

### SOPHOMORE YEAR

Fall Semester		Credit
	Arts & Humanities	3
	Constitutional Requirements	3
	Lab Science I	4
	*Approved Electives	5
<b>Total</b>		<b>15</b>

Spring Semester		Credit
	Arts & Humanities	3
	or Social & Cultural Awareness	
	*Approved Electives	12
	Outcomes Assessment: Determined by Area of Emphasis	
<b>Total</b>		<b>15</b>

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

## INTERDISCIPLINARY STUDIES (AS) 60-62 Credits

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 essential that you work with your academic advisor to select appropriate classes. 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.

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
	Freshman Foundations	1
	Mathematics	3-4
	Physical Education Activity	1
	*Approved Electives	7
<b>Total</b>		<b>15-16</b>

15-16

Spring Semester		Credit
	Communication 2	3
	Social & Cultural Awareness	3
	*Approved Electives	9
<b>Total</b>		<b>15</b>

15

### SOPHOMORE YEAR

Fall Semester		Credit
	Arts & Humanities	3
	Constitutional Requirements	3
	Lab Science I	4
	*Approved Electives	5
<b>Total</b>		<b>15</b>

15

Spring Semester		Credit
	Lab Science I	
	or Mathematics	3-4
	*Approved Electives	12
	Outcomes Assessment: Determined by Area of Emphasis	
<b>Total</b>		<b>15-16</b>

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

# Programs of Instruction

## INTERDISCIPLINARY STUDIES DISTANCE LEARNING (AS) 60-62 Credits

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 essential that you work with your academic advisor to select appropriate classes. 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.

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
	Freshman Foundations	1
	Mathematics	3-4
	Physical Education Activity	1
	*Approved Electives	7
<b>Total</b>		<b>15-16</b>

Spring Semester		Credit
	Communication 2	3
	Social & Cultural Awareness	3
	*Approved Electives	9
<b>Total</b>		<b>15</b>

### SOPHOMORE YEAR

Fall Semester		Credit
	Arts & Humanities	3
	Constitutional Requirements	3
	Lab Science I	4
	*Approved Electives	5
<b>Total</b>		<b>15</b>

Spring Semester		Credit
	Lab Science I	
	or Mathematics	3-4
	*Approved Electives	12
	Outcomes Assessment: Determined by Area of Emphasis	
<b>Total</b>		<b>15-16</b>

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

## MATHEMATICS (AS) 63 Credits

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.

### FRESHMAN YEAR

Fall Semester		Credit
ENGL 1010	English I: Composition	3
MATH 2200	Calculus I	4
	Freshman Foundations	1
	Lab Science I	4
	Physical Education Activity	1
	*Approved Electives	3
<b>Total</b>		<b>16</b>

Spring Semester		Credit
ENGL 2020	Introduction to Literature	3
MATH 2205	Calculus II	5
STAT 2050	Fundamentals of Statistics	4
	Lab Science I	4
<b>Total</b>		<b>16</b>

### SOPHOMORE YEAR

Fall Semester		Credit
MATH 2210	Calculus III	5
	Lab Science I	4
	Social & Cultural Awareness	3
	*Approved Electives	3
<b>Total</b>		<b>15</b>

Spring Semester		Credit
MATH 2250	Elementary Linear Algebra	3
	Arts & Humanities	3
	Constitutional Requirements	3
	*Approved Electives	7
	Outcomes Assessment: Departmental Exam	
<b>Total</b>		<b>16</b>

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

# Programs of Instruction

## MATHEMATICS SECONDARY EDUCATION (AA) 60-61 Credits

Intended to prepare students to teach mathematics at the secondary level. Coursework will include the basic foundations of mathematics as well as theory and research related to learning of mathematics, with attention to significant human mental development factors.

Eastern Wyoming College maintains articulation agreements with several regional four-year institutions. Students should consult and work closely with their academic advisor to ensure successful transfer with these institutions. While transfer institutions are similar in most instances, each institution has unique degree requirements that only academic advisors may be aware of. It is in the student's best interest to work with an advisor who can help facilitate the transfer process.

Notice of background check: All education students are subject to background checks for selected educational coursework involving student contact and future employment as professionals in education and related fields. Student financial aid may be used to cover the cost.

Students planning to transfer to the University of Wyoming should take EDFD 2450 Lifespan Human Development.

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

### FRESHMAN YEAR

Fall Semester		Credit
EDFD 2020	Foundations of Education	3
ENGL 1010	English I: Composition	3
MATH 2200	Calculus I	4
PSYC 1000	General Psychology	3
	Freshman Foundations	1
	Physical Education Activity	1
	<b>Total</b>	<b>15</b>

Spring Semester		Credit
EDUC 2100	Practicum in Teaching	2-3
MATH 2205	Calculus II	5
STAT 2050	Fundamentals of Statistics	4
	Communication 2	3
	<b>Total</b>	<b>14-15</b>

### SOPHOMORE YEAR

Fall Semester		Credit
EDFD 2100	Educational Psychology	3
ITEC 2360	Teaching with Technology	3
MATH 2210	Calculus III	5
	Lab Science I	4
	<b>Total</b>	<b>15</b>

Spring Semester		Credit
EDEX 2484	Introduction to Special Education	3
MATH 2250	Elementary Linear Algebra	3
	Arts & Humanities	3
	Constitutional Requirements	3
	*Area of Concentration/ Approved Electives	4
	Outcomes Assessment: Departmental Exam	
	<b>Total</b>	<b>16</b>

#### \*Area of Concentration/Approved Electives:

Take any course at the 1000 or above level with the following prefixes: ACCT, AGECE, AGRI, AGTK, AECL, AMST, ANSC, ANTH, ART, BIOL, BADM, CHEM, CO/M, ECON, EDEC, EDEL, EDFD, ELTR, ENTK, ENGL, EQST, FCSC, FREN, GEOG, GEOL, GERM, HLED, HIST, JOUR, MCHT, MGT, MKT, MATH, MOLB, MUSC, PHIL, PEAC, PEAT, PEPR, PHYS, POLS, PSYC, REWM, RELI, RNEW, SAFE, SOC, SOSC, SOWK, SOIL, SPAN, STAT, THEA, WELD, WMST, and ZOO.

## NURSING ASSOCIATE DEGREE IN NURSING (ADN) 69 Credits (Available at Douglas Campus Only) ACEN Candidate

The Nursing program prepares the graduate to function as a Registered Nurse in providing care to clients with complex health care needs. Upon successful completion of this program, students are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN) in any state. This program may require travel to surrounding communities. It is recommended that students contact the college regarding the program requirements. Students must complete all program requirements, including approved prerequisites with a grade of "C" or better and meet the minimum cumulative GPA of 2.5. EWC will admit a cohort group of students every two years.

Please note that this program has strict admittance requirements. Please visit <https://ewc.wy.edu/learning-and-outreach/nursing/>. For more information contact the EWC Director of Nursing at

# Programs of Instruction

307.624.7000.

This program is intended to articulate with the BSN program at the University of Wyoming. Please work closely with an advisor if you intend to pursue a bachelor's degree at the University of Wyoming.

Program prerequisites include the following courses which count toward the total program credits:

<b>Course</b>		<b>Credit</b>
BIOL 1010	General Biology I	4
ENGL 1010	English I: Composition	3
MATH 1400	Pre-Calculus Algebra	4
ZOO 2015	Human Anatomy	4
	Freshman Foundations	1
	Test of Essential Academic Skills (TEAS)	
	<b>Total</b>	<b>16</b>

## FRESHMAN YEAR

<b>Fall Semester</b>		<b>Credit</b>
NURS 1100	Nursing Care: Health Promotions	9
ZOO 2025	Human Physiology	4
	<b>Total</b>	<b>13</b>

<b>Spring Semester</b>		<b>Credit</b>
CO/M 2010	Public Speaking	3
NURS 1200	Nursing Care: Chronic Illness	9
PSYC 1000	General Psychology	3
	<b>Total</b>	<b>15</b>

## SOPHOMORE YEAR

<b>Fall Semester</b>		<b>Credit</b>
MOLB 2240	Medical Microbiology	4
NURS 2300	Nursing Care: Acute Illness	9
	<b>Total</b>	<b>13</b>

<b>Spring Semester</b>		<b>Credit</b>
NURS 2400	Nursing Care: Complex Illness	9
POLS 1000	American & Wyoming Government	3
	Outcomes Assessment: NCLEX-RN Exam	
	<b>Total</b>	<b>12</b>

## PHYSICAL EDUCATION, HEALTH AND RECREATION (AA) 60-61 Credits

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.

Notice of background check: All education students are subject to background checks for selected educational coursework involving student contact and future employment as professionals in education and related fields. Student financial aid may be used to cover the cost.

Students planning to transfer to the University of Wyoming should take PSYC 2300 Developmental Psychology and EDFD 2451 Lifespan Human Development.

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

<b>Spring Semester</b>		<b>Credit</b>
CO/M 2010	Public Speaking	3
COSC 1200	Computer Information Systems	3
PSYC 1000	General Psychology	3
	Arts & Humanities	3
	Constitutional Requirements	3
	Physical Education Activity	1
	<b>Total</b>	<b>16</b>

# Programs of Instruction

## SOPHOMORE YEAR

Fall Semester		Credit
FCSC 1141	Principles of Nutrition	3
HLED 1006	Personal Health	3
MATH 1000	Problem Solving	
or MATH 1400	Pre-Calculus Algebra	3-4
ZOO 2015	Human Anatomy	4
	Social & Cultural Awareness	3
<b>Total</b>		<b>16-17</b>

Spring Semester		Credit
EDFD 2100	Educational Psychology	3
EDUC 2100	Practicum in Teaching	3
HLED 1221	Standard First Aid & Safety	2
ZOO 2025	Human Physiology	4
	Outcomes Assessment:	
PEPR 2395	Physical Education Capstone Experience	2
<b>Total</b>		<b>14</b>

## PREPROFESSIONAL ALLIED HEALTH (AS) 61-62 Credits

This program provides students with courses needed to meet the prerequisites for the areas of Dental Hygiene, Medical Lab Tech, and Radiology Tech Programs. Additional credit hours may be required to meet pre-requisite coursework requirements for a particular transfer institution's program.

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

## FRESHMAN YEAR

Fall Semester		Credit
BIOL 1000	Principles of Biology	
or BIOL 1010	General Biology I	4
CHEM 1000	Introductory Chemistry	
or CHEM 1020	General Chemistry I	4
ENGL 1010	English I: Composition	3
MATH 1400	Pre-Calculus Algebra	
or MATH 1000	Problem Solving	3-4
	Freshman Foundations	1
<b>Total</b>		<b>15-16</b>

Spring Semester		Credit
ENGL 2020	Introduction to Literature	
or CO/M 2010	Public Speaking	3
PSYC 1000	General Psychology	3
	Arts & Humanities	3
	Physical Education Activity	1
	*Approved Electives	6
<b>Total</b>		<b>16</b>

## SOPHOMORE YEAR

Fall Semester		Credit
ZOO 2015	Human Anatomy	4
	Constitutional Requirements	3
	*Approved Electives	7
<b>Total</b>		<b>15</b>

Spring Semester		Credit
BIOL 1050	Medical Terminology	3
ZOO 2025	Human Physiology	4
	*Approved Electives	8
	Outcomes Assessment: Portfolio/Rubrics Based Assessment	
<b>Total</b>		<b>15</b>

### \*Approved Electives:

CHEM 2300	Introductory Organic Chemistry	4
CO/M 2010	Public Speaking	3
COSC 1200	Computer Information System	3
FCSC 1141	Principles of Nutrition	3
HLED 1221	Standard First Aid & Safety	2
MATH 1405	Pre-Calculus Trigonometry	3
MOLB 2240	Medical Microbiology	4
PHYS 1110	General Physics I	4
SOC 1000	Sociological Principles	3
SOSC 2300	Ethics in Practice	3
STAT 2050	Fundamentals of Statistics	4

# Programs of Instruction

## PREPROFESSIONAL DENTISTRY (AS) 60 Credits

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. 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 grade of "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	4
	Freshman Foundations	1
<b>Total</b>		<b>16</b>

Spring Semester		Credit
BIOL 2020	General Biology II	4
CHEM 1030	General Chemistry II	4
ENGL 2020	Introduction to Literature	
or CO/M 2010	Public Speaking	3
PSYC 1000	General Psychology	3
<b>Total</b>		<b>14</b>

### SOPHOMORE YEAR

Fall Semester		Credit
AMST 2110	Cultural Diversity in America	3
CHEM 2320	Organic Chemistry I	
or PHYS 1110	General Physics	4
ZOO 2015	Human Anatomy	4
	Constitutional Requirements	3
	Physical Education Activity	1
<b>Total</b>		<b>15</b>

Spring Semester		Credit
CHEM 2340	Organic Chemistry II	
or PHYS 1120	General Physics II	4
MOLB 2221	General Microbiology	4
SOSC 2300	Ethics in Practice	3
ZOO 2025	Human Physiology	4
	Outcomes Assessment: Portfolio/Rubrics Based Assessment	
<b>Total</b>		<b>15</b>

## PREPROFESSIONAL MEDICINE (AS) 60 Credits

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. 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 grade of "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	4
	Freshman Foundations	1
<b>Total</b>		<b>16</b>

Spring Semester		Credit
BIOL 2020	General Biology II	4
CHEM 1030	General Chemistry II	4
ENGL 2020	Introduction to Literature	
or CO/M 2010	Public Speaking	3
PSYC 1000	General Psychology	3
<b>Total</b>		<b>14</b>

# Programs of Instruction

## SOPHOMOREYEAR

Fall Semester		Credit
AMST 2110	Cultural Diversity in America	3
CHEM 2320 or PHYS 1110	Organic Chemistry I General Physics	4
ZOO 2015	Human Anatomy Constitutional Requirements Physical Education Activity	4 3 1
<b>Total</b>		<b>15</b>

Spring Semester		Credit
CHEM 2340 or PHYS 1120	Organic Chemistry II General Physics II	4
MOLB 2221	General Microbiology	4
SOSC 2300	Ethics in Practice	3
ZOO 2025	Human Physiology Outcomes Assessment: Portfolio/Rubrics Based Assessment	4
<b>Total</b>		<b>15</b>

## PREPROFESSIONAL NURSING (AS) 60-64 Credits

This program provides students with courses needed to meet the prerequisites for four-year (BSN) nursing programs. Students should consult with a pre-nursing advisor concerning courses that meet the requirements for the school to which they intend to transfer.

Students must complete all program requirements, including approved electives, with a grade of "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
MATH 1400	Pre-Calculus Algebra	4
SOC 1000	Sociological Principles Freshman Foundations Physical Education Activity	3 1 1
<b>Total</b>		<b>16</b>

Spring Semester		Credit
CHEM 1000	Introductory Chemistry	4
ENGL 2020 or CO/M 2010	Introduction to Literature Public Speaking	3
PSYC 1000	General Psychology Constitutional Requirements Social & Cultural Awareness	3 3 3
<b>Total</b>		<b>16</b>

## SOPHOMOREYEAR

Fall Semester		Credit
FCSC 1141	Principles of Nutrition	3
ZOO 2015	Human Anatomy Arts & Humanities *Approved Electives	4 3 4-7
<b>Total</b>		<b>14-17</b>

Spring Semester		Credit
EDFD 2450	Lifespan Human Development	3
MOLB 2240	Medical Microbiology	4
STAT 2050	Fundamentals of Statistics	4
ZOO 2025	Human Physiology Outcomes Assessment: Portfolio/Rubrics Based Assessment	4
<b>Total</b>		<b>15</b>

*Approved Electives:		
BIOL 1050	Medical Terminology	3
CO/M 1030	Interpersonal Communication	3
COSC 1200	Computer Information Systems	3
FCSC 2121	Child Development	4
HLTK 1510	Nurse Assistant	4
SOSC 2300	Ethics in Practice	3

# Programs of Instruction

## PREPROFESSIONAL PHARMACY (AS) 61 Credits

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 grade of "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
	Freshman Foundations	1
	Physical Education Activity	1
<b>Total</b>		<b>13</b>

Spring Semester		Credit
BIOL 2020	General Biology II	4
CHEM 1030	General Chemistry II	4
ENGL 2020	Introduction to Literature	3
or CO/M 2010	Public Speaking	
POLS 1000	American & Wyoming Government	3
	Social & Cultural Awareness	3
<b>Total</b>		<b>17</b>

### SOPHOMORE YEAR

Fall Semester		Credit
CHEM 2320	Organic Chemistry I	4
MATH 2200	Calculus I	4
ZOO 2015	Human Anatomy	4
	Arts & Humanities	3
<b>Total</b>		<b>15</b>

Spring Semester		Credit
CHEM 2340	Organic Chemistry II	4
MOLB 2240	Medical Microbiology	4
STAT 2050	Fundamentals of Statistics	4
ZOO 2025	Human Physiology	4
	Outcomes Assessment: Portfolio/Rubrics Based Assessment	
<b>Total</b>		<b>16</b>

## PREPROFESSIONAL VETERINARY MEDICINE (AS) 64 Credits

Veterinary medicine focuses on maintaining the health and welfare of animals and people. Veterinarians diagnose and control animal diseases, treat sick and injured animals, prevent the transmission of animal diseases to people, and advise owners on the proper care of animals. Students who follow this preparatory track will be well prepared for admission into veterinary science and medicine programs nationwide.

Students should plan their science/math elective choices to the requirements of their selected transfer institution.

Students must complete all program requirements, including approved electives, with a grade of "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 1400	Pre-Calculus Algebra	4
	Freshman Foundations	1
<b>Total</b>		<b>16</b>

Spring Semester		Credit
ENGL 2020	Introduction to Literature	3
or CO/M 2010	Public Speaking	
	Constitutional Requirements	3
	Social & Cultural Awareness	3
	*Science/Math Electives	7
<b>Total</b>		<b>16</b>

### SOPHOMORE YEAR

Fall Semester		Credit
	Arts & Humanities	3
	Physical Education Activity	1
	*Science/Math Electives	12
<b>Total</b>		<b>16</b>

Spring Semester		Credit
	*Science/Math Electives	16
	Outcomes Assessment: Portfolio/Rubrics Based Assessment	
<b>Total</b>		<b>16</b>

# Programs of Instruction

<b>*Science/Math Electives:</b>		
BIOL 2020	General Biology I	4
CHEM 1030	General Chemistry II	4
CHEM 2320	Organic Chemistry I	4
CHEM 2340	Organic Chemistry II	4
MATH 1405	Pre-Calculus Trigonometry	3
MATH 2200	Calculus I	4
PHYS 1110	General Physics I	4
PHYS 1120	General Physics II	4
STAT 2050	Fundamentals of Statistics	4

## **SOCIAL SCIENCE (AA) 60 Credits**

A major in Social Science offers a broad based degree that can lead to a variety of careers in government, law, education, business, social or counseling work, or international relations. The Social Science program at Eastern Wyoming College is designed to provide the student with core knowledge in such areas as History, Political Science, Psychology and Sociology.

### **Program Notes:**

Students interested in pursuing a degree in Psychology or Sociology at a transfer institution are advised to take at least 12 hours of either Psychology or Sociology and the following:

CO/M 2010 Public Speaking  
2 Lab Science Electives  
or 1 Lab Science and STAT 2050 or STAT 2070

Students interested in pursuing a degree in History at a transfer institution are advised to take at least 12 hours of History including some of the following electives: HIST 1110, HIST 1120, HIST 1211, HIST 1221, HIST 1290, HIST 2290, ECON 1010, ECON 1020, GEOG 1000 and STAT 2050 or STAT 2070.

Students interested in pursuing a degree in Political Science at a transfer institution are advised to take at least 12 hours of Political Science and History electives and STAT 2050 or STAT 2070.

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
MATH 1000	Problem Solving	3-4
or MATH 1400	Pre-Calculus Algebra	
PSYC 1000	General Psychology	3
or SOC 1000	Sociological Principles	
	Freshman Foundations	1
	Physical Education Activity	1
	*Approved Electives	3
	<b>Total</b>	<b>14-15</b>

<b>Spring Semester</b>	<b>Credit</b>
Arts & Humanities	3
Communication 2	3
*Approved Electives	9
<b>Total</b>	<b>15</b>

### **SOPHOMORE YEAR**

<b>Fall Semester</b>	<b>Credit</b>
Constitutional Requirements 3	
Lab Science I	4
**Program Electives	8
<b>Total</b>	<b>15</b>

<b>Spring Semester</b>	<b>Credit</b>
Social & Cultural Awareness	3
*Approved Electives	8
**Program Electives	4
Outcomes Assessment:	
SOSC 2395 Social Science Capstone Experience	1
<b>Total</b>	<b>16</b>

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

**\*\*Program Electives:** Take any course with the following prefixes: AMST, ANTH, CO/M, CRMJ, ECON, GEOG, HIST, PHIL, POLS, PSYC, RELI, SOC, SOSC, SOWK, SPAN, WMST, and STAT.

## **STATISTICS (AS) 60 Credits**

The curriculum in statistics includes a firm foundation in mathematics and computer science, in addition to coursework in statistical theory and methodology. The nature of statistical work is to design and analyze research projects through the application of the principles of mathematics, computer science, and statistics. The student who wishes to make valid inferences from empirical data will find the field of statistics fascinating and rewarding.

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>
ECON 1010	Macroeconomics	3
ENGL 1010	English I: Composition	3
MATH 2200	Calculus I	4
	Constitutional Requirements	3
	Freshman Foundations	1
	Physical Education Activity	1
	<b>Total</b>	<b>15</b>

# Programs of Instruction

Spring Semester		Credit
ECON 1020	Microeconomics	3
ENGL 2020	Introduction to Literature	3
MATH 2205	Calculus II	5
STAT 2050	Fundamentals of Statistics	4
<b>Total</b>		<b>15</b>

## SOPHOMORE YEAR

Fall Semester		Credit
ACCT 1010	Principles of Accounting I	3
MATH 2210	Calculus III	5
	Arts & Humanities	3
	Lab Science I	4
<b>Total</b>		<b>15</b>

Spring Semester		Credit
ACCT 1020	Principles of Accounting II	3
BADM 2010	Business Law I	3
CO/M 2010	Public Speaking	3
IMGT 2400	Introduction to Information Management	3
MATH 2250	Elementary Linear Algebra	3
or MATH 2310	Differential Equations	
	Outcomes Assessment: Departmental Exam	
<b>Total</b>		<b>15</b>

## VETERINARY TECHNOLOGY (AAS) 62-63 Credits

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, prognose, prescribe treatments or perform surgical operations. Technicians work in veterinary practices, both general and specialized, biomedical research, zoo/wildlife medicine, industry, military, livestock health management, livestock reproduction facilities along with many other employment options. The primary objectives of the program are to provide students with the knowledge and skill required to succeed in the veterinary industry and to pass examinations that may be required for licensing in certain states.

## Program admission requirements:

ACT: Math  $\geq 21$ , English  $\geq 18$  and Reading  $\geq 21$   
Or  
Health Occupation Assessment Exam (HOAE):  
Arithmetic  $>40$ , Reading Comprehension  $>40$  and Vocational Adjustment Index  $>40$   
Or  
Completion of all first semester VTAD certificate courses with a grade of "C" or better and placement into VTTK 1751.

This program includes a required criminal background check and completion of a pre-exposure rabies vaccination series. 400 hours of observation and clinical experience at approved clinics are required.

Students are responsible for the animal care of housed animals. Documentation of such responsibility is contained in the Animal Care (VTTK 1001, 1002, 2001, and 2002) non-credit classes as required by the AVMA accreditation.

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

## FRESHMAN YEAR

Fall Semester		Credit
VTTK 0005	Pre-Exposure Rabies Vaccination	0
VTTK 1505	Introduction to Veterinary Science	1
VTTK 1501	Animal Care I	0
VTTK 1500	Orientation to Veterinary Technology	3
VTTK 1700	Medical Terminology	2
VTTK 1751	Pharmaceutical Calculations	3
VTTK 2005	Prescreen for Veterinary Technology	0
VTTK 2615	Veterinary Anatomy and Physiology	3
	**Lab Science Electives	4
<b>Total</b>		<b>16</b>

Spring Semester		Credit
VTTK 1502	Animal Care II	0
VTTK 1600	Clinical Procedures	3
VTTK 1625	Laboratory Analysis	1
VTTK 1630	Veterinary Hematology	3
VTTK 1750	Veterinary Pharmacology	4
	Communication 1	3
	Constitutional Requirements 2-3	
<b>Total</b>		<b>16-17</b>

## Programs of Instruction

### SOPHOMORE YEAR

Fall Semester	Credit
VTTK 1550 Practical Surgical & Medical Experience I	3
VTTK 1755 Veterinary Parasitology	2
VTTK 2501 Animal Care III	0
VTTK 2500 Veterinary Anesthesia	3
VTTK 2610 Veterinary Infectious Diseases and Applied Diagnostics	4
VTTK 2700 Laboratory and Exotic Animals	3
<b>Total</b>	<b>15</b>

Spring Semester	Credit
VTTK 2502 Animal Care IV	0
VTTK 2505 Diagnostic Imaging	2
VTTK 2550 Practical Surgical & Medical Experience II	4
VTTK 2620 Noninfectious Diseases	3
*Approved Electives	2
Outcomes Assessment:	
VTTK 2750 Clinical Problems	4
Written and Oral Comprehensives	
<b>Total</b>	<b>15</b>

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

**\*\*Lab Science Electives:** Must be selected from the following courses:

BIOL 1000 Principles of Biology	4
BIOL 1010 General Biology I	4
CHEM 1000 Introductory Chemistry	4
CHEM 1020 General Chemistry I	4
VTTK 1925 Applied Principles of Chemistry for Veterinary Technology	2
VTTK 1950 Applied Principles of Biology for Veterinary Technology	2

### VETERINARY AIDE (CERT 1 YR) 30 Credits

This program prepares students to assist veterinarians, veterinary technicians, laboratory animal technicians, and/or research scientists in supportive roles. Veterinary aides work under the direction of a licensed veterinarian or research scientist; they do not diagnose, prognose, prescribe, or perform surgery. The primary job responsibilities of veterinary aides include feeding/watering animals; cleaning and disinfecting treatment areas, animal housing areas, and surgery areas; patient restraint; collecting and processing samples for laboratory diagnostics; sterilizing surgical equipment; patient preparation for surgery; routine office procedures; and inventory control. This certificate program prepares students

for employment in veterinary clinics, hospitals, research institutions, or laboratories as veterinary aides or to continue their education in pursuit of an Associate of Applied Science degree in Veterinary Technology, as most credits from the certificate program will transfer directly into the Veterinary Technology program. The certificate program includes a core of courses, 60 hours of observation and clinical experience at an approved clinic or clinics, and is designed to be completed in two semesters.

Students are responsible for the animal care of housed animals. Documentation of such responsibility is contained in the Animal Care (VTTK 1001, 1002, 2001, and 2002) non-credit classes as required by the AVMA accreditation.

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

### FRESHMAN YEAR

Fall Semester	Credit
VTTK 0005 Pre-Exposure Rabies Vaccination	0
VTTK 1505 Introduction to Veterinary Science	1
VTTK 1501 Animal Care I	0
VTTK 1500 Orientation to Veterinary Technology	3
VTTK 1510 Clinical Techniques I	3
VTTK 1700 Medical Terminology	2
TECH 1005 Applied Technical Writing	3
*Approved Electives	3
<b>Total</b>	<b>15</b>

Spring Semester	Credit
VTTK 1502 Animal Care II	0
VTTK 1520 Clinical Techniques II	4
VTTK 1950 Applied Principles of Biology for Veterinary Technology	2
VTTK 2700 Laboratory and Exotic Animals	3
VTTK 2815 Large Animal Techniques	4
*Approved Electives	2
Outcomes Assessment:	
Written and Oral Comprehensives	
<b>Total</b>	<b>15</b>

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

For more information about this certificate program, links to occupational information, estimated program cost, normal time for program completion, median debt at program completion (if available), please visit EWC's website at: <http://ewc.wy.edu/future-students/financial-aid/career/>.

# Programs of Instruction

## WELDING AND JOINING TECHNOLOGY (AAS) 60 Credits

Welders are skilled people 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 Career and Technical Education 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 penetrant, macro etch, 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 grade of "C" or better.

### FRESHMAN YEAR

Fall Semester		Credit
WELD 1700	General Welding	3
WELD 1755	Shielded Metal Arc Welding	5
WELD 1773	GMAW	2
WELD 2670	Welding Inspection	3
	Freshman Foundations	1
		<b>Total 14</b>

Spring Semester		Credit
ENTK 2501	Intro to Computer Aided Drafting I	1
or ENTK 1510	Drafting I	
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
		<b>Total 15</b>

### SOPHOMORE YEAR

Fall Semester		Credit
MATH 1515	Applied Technical Mathematics	3
POLS 1050	Basics in U.S. & Wyoming Government	2
WELD 1780	GTAW-Plate	3
WELD 2500	Structural Welding Communication I	5
		3
		<b>Total 16</b>

Spring Semester		Credit
MCHT 1610	Machine Tool Technology I	2
WELD 2510	Pipe Welding I	4
WELD 2520	Pipe Welding II	5
WELD 2645	SMAW and GTAW	2
WELD 2790	Semiautomatic Pipe Welding	2
	Outcomes Assessment: National Competency Test in Welding	
		<b>Total 15</b>

# Programs of Instruction

## WELDING AND JOINING TECHNOLOGY (CERT 1 YR) 30 Credits

This program will enable the student to meet entry-level requirements as a welder in limited plate thickness in accordance to American Welding Society standards.

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

### FRESHMAN YEAR

Fall Semester		Credit
WELD 1700	General Welding	3
WELD 1755	Shielded Metal Arc Welding	5
WELD 1773	GMAW	2
WELD 2670	Welding Inspection	3
	Freshman Foundations	1
	*Approved Elective	1
<b>Total</b>		<b>15</b>

Spring Semester		Credit
ENTK 2501	Intro to Computer Aided Drafting I	1
or ENTK 1510	Drafting I	
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
	Outcomes Assessment: National Competency Test in Welding	
<b>Total</b>		<b>15</b>

**\*Approved Electives:** Any course at the 1000 or above level with the following prefixes: ENTK, MCHT, and WELD.

For more information about this certificate program, links to occupational information, estimated program cost, normal time for program completion, median debt at program completion (if available), please visit EWC's website at: <http://ewc.wy.edu/future-students/financial-aid/career/>.

## WELDING-MACHINE TOOL TECHNOLOGY (CERT 1 YR) 30-32 Credits

This program will enable the student to meet entry-level requirements for employment as a maintenance machinist.

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

### FRESHMAN YEAR

Fall Semester		Credit
ENTK 2501	Intro to Computer Aided Drafting I	1
MCHT 1500	General Machine Shop	2
MCHT 1610	Machine Tool Technology I	2
TECH 1005	Applied Technical Writing	3
WELD 1700	General Welding	3
	Constitutional Requirements 2-3	
	Freshman Foundations	1
	*Approved Electives	1
<b>Total</b>		<b>15-16</b>

Spring Semester		Credit
ENTK 2506	Intro to Computer Aided Drafting II	1
MATH 1515	Applied Technical Mathematics	3
MCHT 1620	Machine Tool Technology II	3
WELD 1650	Print Reading: Welding Symbols	3
	*Approved Electives	5-6
	Outcomes Assessment: Project	
<b>Total</b>		<b>15-16</b>

**\*Approved Electives:** Any course at the 1000 or above level with the following prefixes: AGTK, ELTR, ENTR, HLED, and WELD.

For more information about this certificate program, links to occupational information, estimated program cost, normal time for program completion, median debt at program completion (if available), please visit EWC's website at: <http://ewc.wy.edu/future-students/financial-aid/career/>.

## Programs of Instruction

### WELDING-PLATE (CERT LESS THAN 1 YR) 12 Credits

The program will enable a student to meet entry level requirements for employment as a plate welder and build a basis for further study and lifelong learning in the metal working trades.

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

#### FRESHMAN YEAR

Fall Semester		Credit
WELD 1650	Print Reading: Welding Symbols	3
WELD 1755	Shielded Metal Arc Welding	5
WELD 1772	FCAW	2
WELD 1773	GMAW	2
	Outcomes Assessment: Written Exam and 3/8" Plate Test	
<b>Total</b>		<b>12</b>

Federal Financial Aid is not available for this certificate program.

### WILDLIFE AND FISHERIES BIOLOGY MANAGEMENT (AS) 61 Credits

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 grade of "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 1400	Pre-Calculus Algebra	4
	Freshman Foundations	1
<b>Total</b>		<b>16</b>

Spring Semester		Credit
BIOL 2020	General Biology II	4
CHEM 2300	Introductory Organic Chemistry	4
CO/M 2010	Public Speaking	3
MATH 1405	Pre-Calculus Trigonometry	3
<b>Total</b>		<b>14</b>

#### SOPHOMORE YEAR

Fall Semester		Credit
COSC 1200	Computer Information Systems	3
MATH 2200	Calculus I	4
PHYS 1110	General Physics I	4
ZOO 2450	Principles of Fish and Wildlife Management	3
	Physical Education Activity	1
<b>Total</b>		<b>15</b>

Spring Semester		Credit
REWM 2000	Principles of Range Management	3
STAT 2050	Fundamentals of Statistics	4
	Arts & Humanities	3
	Constitutional Requirements	3
	Social & Cultural Awareness	3
	Outcomes Assessment: Portfolio/Rubrics Based Assessment	
<b>Total</b>		<b>16</b>