

Oral Communication GE elective 3

**Total Credits 14**

**3rd Semester Credits**

BIOS-2120 Genetics (and lab) 4

CHEM-2510 Organic Chemistry I (and lab) 4

MATH-1210 Trigonometry 3

Social Sciences GE elective 3

**Total Credits 14**

**4th Semester Credits**

BIOS-1300 General Botany (and lab) 4

or

BIOS-1380 General Zoology (and lab)

BIOS-2460 Microbiology (and lab) 4

CHEM-2520 Organic Chemistry II (and lab) 4

Humanities GE elective 3

**Total Credits 15**

**Total AS Credits 61**

## (Pre) Biomedical Research

AS.2601 (65 Credits)

Associate of Science

Scottsbluff

The pre-biomedical research emphasis area is designed to provide the student with a course of study that allows him/her the opportunity to be admitted to and successfully complete a degree program in biomedical research. This degree of study provides one student per year the opportunity to be accepted into the INBRE (Nebraska Biomedical Research Program) and attend one of six universities in Nebraska that participate in the program.

### Objective

- To provide the basic science and general education courses needed to attain an AS degree from WNCC and transfer to a biomedical research program at a four-year college or university.

### Notes

- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum best suited to their transfer goals.
- In addition to the general education requirements for the AS degree, 23 credits of core courses and 19 credits of electives are required for the degree in pre-biomedical research.
- Depending on the student's choice of electives, it is possible that the total credits earned for the AS degree will exceed 60 credit credits.

- Students should understand that the courses included in the lists of core requirements and recommended electives will be required by receiving institutions at some point in their journey to the bachelor's or professional degree.

### Core Requirements (23 credits)

- A minimum of 15-16 credits of combined science and math credits are required for the AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM or PHYS options.

Class		Credits
BIOS-2250	Human Anatomy & Physiology I (and lab)	4
BIOS-2260	Human Anatomy & Physiology II (and lab)	4
CHEM-1090	General Chemistry I (and lab)	4
CHEM-1100	General Chemistry II (and lab)	4
MATH-1150	College Algebra	4
MATH-1210	Trigonometry	3

### Recommended electives or courses required for transfer (19 credits selected from below):

Class		Credits
BIOS-1010	General Biology (and lab)	4
BIOS-1380	General Zoology (and lab)	4
BIOS-2120	Genetics (and lab)	4
BIOS-2460	Microbiology (and lab)	4
CHEM-2510	Organic Chemistry I (and lab)	4
CHEM-2520	Organic Chemistry II (and lab)	4

### Recommended Plan of Study

1st Semester		Credits
BIOS-1010	General Biology (and lab)	4
CHEM-1090	General Chemistry I (and lab)	4
ENGL-1010	English Composition I	3
MATH-1150	College Algebra	4
PRVD-1010	Achieving College Success	3
<b>Total Credits</b>		<b>18</b>
2nd Semester		Credits
BIOS-1380	General Zoology (and lab)	4
CHEM-1100	General Chemistry II (and lab)	4
ENGL-1020	English Composition II	3
MATH-1210	Trigonometry	3
	Humanities GE elective	3
<b>Total Credits</b>		<b>17</b>

<b>3rd Semester</b>		<b>Credits</b>
BIOS-2120	Genetics (and lab)	4
BIOS-2250	Human Anatomy & Physiology I (and lab)	4
CHEM-2510	Organic Chemistry I (and lab)	4
	Oral Communication GE elective	3
<b>Total Credits</b>		<b>15</b>
<b>4th Semester</b>		<b>Credits</b>
BIOS-2260	Human Anatomy & Physiology II (and lab)	4
BIOS-2460	Microbiology (and lab)	4
CHEM-2520	Organic Chemistry II (and lab)	4
	Social Sciences GE elective	3
<b>Total Credits</b>		<b>15</b>
<b>Total AS Credits</b>		<b>65</b>

## Business Administration

### Associate of Arts

### Associate of Science

### Alliance • Scottsbluff • Sidney

The Business Administration Program offers courses in the areas of accounting, marketing, business law, management, and management information systems, along with specific general education courses to provide students with the first two years of a baccalaureate degree in business. The suggested curriculum meets the requirements for admission as a junior to degree programs in business administration and accounting at many colleges and universities. Students are also provided the opportunity to combine business administration with an area of emphasis in management information systems.

Degree options are available in:

- Accounting
- Business administration
- Management Information Systems (MIS).

### Objectives

- Provide coursework for the first two years of a baccalaureate degree in accounting, business, or management information systems.
- Promote and help students develop lifelong learning skills needed for professional and personal growth.
- Provide a basis for student understanding of the principles, concepts, and theories that affect business by offering specific accounting, business, and management information systems courses.

### Notes

- The AA program options are also available online. (Some optional courses within the programs may not be available online.)
- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum best suited to their transfer goals.
- Students who plan to transfer to Chadron State College should follow the Associate of Arts degree program.
- Students may enroll in an internship after completing 30 or more credits of the Business Administration program with a 3.0 or higher GPA. All internships must be pre-approved.
- Recommended social science courses:

<b>Class</b>		<b>Credits</b>
ECON-2110	Principles of Macroeconomics	3
ECON-2120	Principles of Microeconomics	3
POLS-1600	International Relations	3
SOCI-1010	Introduction to Sociology	3

- In addition to the 18 credits of required business core classes and the courses recommended for each option, students are required to complete the general education requirements for the AA degree (31-32 credits) or for the AS degree (33-34 credits).

## Associate of Arts

### Requirements

#### General Education Requirements

**For the AA** **31-32 credits**

**Required Business Admin Core** **18 credits**

<b>Class</b>		<b>Credits</b>
ACCT-1200	Principles of Accounting I	3
ACCT-1210	Principles of Accounting II	3
BSAD-2500	Business Law	3
BSAD-2520	Principles of Marketing	3
BSAD-2540	Principles of Management	3
INFO-1100	Microcomputer Applications	3
	or	
INFO-2000	Advanced Microcomputer Applications	

**Area of Emphasis Option** **12 credits**

**TOTAL Credits** **61-62 credits**