

Focus Areas:

**Biology, Chemistry,
Physical Science,
Physics**

SCIENCE

Department Chair: Dr. Craig Lamb
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Employment:

\$35,000-\$200,000



Potential Careers:

- **Environmental Scientist**
- **Wildlife/Field Biologist**
- **Doctor, Dentist, Chiropractor**
- **Brewmaster/Distiller**
- **Conservation Officer**

Science builds and organizes knowledge in the form of testable explanations and predictions. Students can select an area of science based on interest: the study of life and living organisms; the origin, history and structure of the earth; properties, reactions, and the structure of matter; or matter and energy. There are some opportunities for employment after two years, many careers require a Bachelor of Science degree.

Students planning to complete a four-year degree should enroll in the A.S. program.

Degrees & Certificates

Associate of General Studies A.G.S. - 62 hours Associate of Science A.S. - 62 hours

Fields of Study

Science

Associate of General Studies

62 Hours

Minimum General Education Required Courses 25 cr

<i>Communication Requirement</i>	6
CM101 English Composition I (3 cr)	
CM115 Public Speaking (3 cr) <i>or</i>	
CM240 Interpersonal Communications (3 cr)	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course <i>or</i>	
MA110 Intermediate Algebra (3 cr)	
<i>Humanities Requirement</i>	3
Art	Humanities
Music	Literature
Theatre	Philosophy
Foreign Language	History
<i>Social/Behavioral Science Requirement</i>	3
Economics	Anthropology
Psychology	Political Science
Sociology	Geography
<i>Humanities or Social Science Requirement</i> (Must be from second area)	3
<i>Natural Science Requirement</i>	4
Physical Science w/lab <i>or</i>	
Biological Science w/lab	
<i>Open General Education Elective</i>	3

Required Science Courses 9 cr

SC130 General Chemistry (5 cr) <i>or</i>
SC131 Chemistry I (5 cr)
Physical Science General Education Course (4 cr)

Elective Courses 18 cr

Biological Science	
MA114 Elementary Statistics	3
SC101 General Biology	4
SC103 Physical Science	5
SC110 Principles of Biology I	5
SC111 Microbiology Lecture	3
SC112 Microbiology Lab	2
SC120 Human Anatomy and Physiology I	4
SC121 Human Anatomy and Physiology II	4
SC125 Human Body Dissection	1
SC126 Anatomy and Physiology	5
SC128 Pathophysiology	4
SC151 Principles of Biology II	5
SC199 General Zoology	5

Physical Sciences

MA112 Trigonometry	3
MA120 Analytical Geometry and Calculus	5
SC104 Geology	4
SC105 Astronomy	4
SC107 Meteorology	4
SC131 Chemistry I	5
SC132 Chemistry II	5
SC134 Organic Chemistry I	5
SC135 Organic Chemistry II	5
SC137 Natural Hazards and Disasters	3
SC138 Natural Hazards and Disasters Lab	1
SC140 College Physics I	5
SC141 College Physics II	5
SC142 University Physics I	5
SC143 University Physics II	5
SC146 Environmental Science and Conservation	3
SC147 Environmental Science and Conservation Lab	1

Agri-Biotechnology

AG108 Environmental Quality	3
AG109 Environmental Quality Lab	1
AG160 Introduction to Biotechnology	3
AG236 Molecular Biology for Agri-Biotechnology	4
AG237 Integrated Organic and Biochemistry for Agri-Biotechnology	5
AG250 Introduction to Genetic Engineering	4

Life Skills

BE139 Basic Personal Finance	1
BE210 Leadership Development	3
PE141 Personal Wellness	3
PE250 Stress Management	3
SS106 Marriage and Family	3

Open Electives 10 cr

Fields of Study

Science

Associate of Science

62 Hours

Required General Education Courses 34 cr

<i>Communication Requirement</i>	9
CM101 English Composition I (3 cr)	
CM102 English Composition II (3 cr)	
CM115 Public Speaking (3 cr)	
<i>Humanities Requirement (2 areas required)</i>	6
Art	Humanities
Music	Literature
Theatre	Philosophy
Foreign Language	History
<i>Mathematics Requirement</i>	3
Mathematics General Education Course	
<i>Natural Science Requirement (2 areas required)</i>	10
SC131 Chemistry I (5 cr)	
SC112 Principles of Biology (5 cr)	
<i>Social/Behavioral Science Requirement (2 areas required)</i>	6
Economics	Anthropology
Psychology	Political Science
Sociology	Geography

Physical Sciences

AG108 Environmental Quality	3
AG109 Environmental Quality Lab	1
SC103 Physical Science	3
SC104 Geology	4
SC105 Astronomy	4
SC107 Meteorology	4
SC131 Chemistry I	5
SC132 Chemistry II	5
SC134 Organic Chemistry I	5
SC135 Organic Chemistry II	5
SC137 Natural Hazards and Disasters	3
SC138 Natural Hazards and Disasters Lab	1
SC140 College Physics I	5
SC141 College Physics II	5
SC142 University Physics I	5
SC143 University Physics II	5
SC146 Environmental Science and Conservation	3
SC147 Environmental Science and Conservation Lab	1

Open Electives 8 cr

Required Science Courses 10 cr

Two from the following:

SC132 Chemistry II	5
SC140 College Physics	5
SC141 College Physics II	5
SC142 University Physics	5
SC143 University Physics II	5
SC151 Principles of Biology II	5

Elective Courses 10 cr

Biological Science

SC103 Physical Science	5
SC110 Principles of Biology I	5
SC111 Microbiology Lecture	3
SC112 Microbiology Lab	2
SC120 Human Anatomy and Physiology I	4
SC121 Human Anatomy and Physiology II	4
SC125 Human Body Dissection	1
SC126 Anatomy and Physiology	5
SC128 Pathophysiology	4
SC151 Principles of Biology II	5
SC199 General Zoology	5

Math

BE170 Business Statistics	3
MA112 Trigonometry	3
MA114 Elementary Statistics	3
MA120 Analytical Geometry and Calculus	5
MA121 Calculus II	5
MA122 Calculus III	5
MA123 Differential Equations	4