

Focus Areas:

**Biology, Chemistry,
Earth Science,
Physics, Pre-Medicine,
Pre-Dentistry,
Pre-Pharmacy,
Pre-Physical Therapy,
Pre-Physician Assistant**

Employment:

\$35,000-\$200,000



SCIENCE

Department Chair: Joshua Urban
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Potential Careers:

- Environmental Scientist
- Wildlife/Field Biologist
- Doctor, Dentist, Chiropractor
- Research Scientist
- Conservation Officer
- Science Teacher

Program/General Education Learning Outcomes:

1. Apply the scientific process to evaluate current issues and circumstances.
2. Demonstrate scientific literacy and knowledge about the study.
3. Critically analyze events through a scientific lens.
4. Demonstrate quantitative reasoning and problem-solving.

DEGREES & CERTIFICATES

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

Associate of Science A.S. - 62 hours

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) or	
CM240 Interpersonal Communications (3 cr)	
<i>Mathematics Requirement</i>	3
Mathematics General Education Course or	
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>	3
(Must be from second area)	
<i>Natural Science Requirement</i>	4
Physical Science w/lab or	
Biological Science w/lab	
<i>Open General Education Elective</i>	3

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

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

Required Science Courses 9 cr

SC130 General Chemistry (5 cr) or
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

CLOUD COUNTY
Start Here

SCIENCE

Associate of Science

62 Hours

Required General Education Courses 34 cr

Communication Requirement 9

CM101 English Composition I (3 cr)

CM102 English Composition II (3 cr)

CM115 Public Speaking (3 cr)

Humanities Requirement (2 areas required) 6

Art Humanities

Music Literature

Theatre Philosophy

Foreign Language History

Mathematics Requirement 3

Mathematics General Education Course

Natural Science Requirement (2 areas required) 10

SC131 Chemistry I (5 cr)

SC120 Principles of Biology I (5 cr)

Social/Behavioral Science Requirement (2 areas required) 6

Economics Anthropology

Psychology Political Science

Sociology Geography

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

Additional Electives

BE122 Medical Office Vocabulary 2

HE124 Nutrition 3

Open Electives 10 cr

Elective Courses 18 cr

Biological Science

SC103 Physical Science 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 Analytical Geometry and Calculus II 5

MA122 Analytical Geometry and Calculus III 5

MA123 Differential Equations 4

Physical Sciences

AG108 Environmental Quality 3

AG109 Environmental Quality Lab 1

SC103 Physical Science 3

SC104 Geology 4

SC105 Astronomy 4

SC107 Meteorology 4

SC132 Chemistry II 5

SC134 Organic Chemistry I 5

