

ASSOCIATE OF SCIENCE DEGREE

Students must complete all College degree requirements, which include: General Education requirements and elective credits to total at least 61 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
General Education		
<i>Area I: Communication</i>		
<i>English Composition - Level 1</i>		
ENGL 1110G	Composition I	4
<i>English Composition - Level 2</i>		
Choose one from the following:		3
ENGL 2210G	Professional & Technical Communication	
ENGL 2221G	Writing in the Humanities and Social Science	
<i>Oral Communication</i>		
COMM 1130G	Public Speaking	3
or COMM 1115G	Introduction to Communication	
<i>Area II: Mathematics</i>		
Choose one from the following:		3-4
MATH 1220G	College Algebra ¹	
MATH 1250G	Trigonometry & Pre-Calculus ¹	
MATH 1511G	Calculus and Analytic Geometry I ¹	
<i>Area III/IV: Laboratory Sciences and Social/Behavioral Sciences</i>		11
Two Area III: Laboratory Sciences courses		
Area IV: Social/Behavioral Science Course (3 credits) ²		
<i>Area V: Humanities</i> ²		3
<i>Area VI: Creative and Fine Arts</i> ²		3
<i>General Education Elective</i> ²		3-4
Core Requirements		
<i>Laboratory Science Courses</i> ³		16
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	
Electives, to bring the total credits to 61 ⁴		12
Total Credits		61-63

1

Students who place above MATH 1220G College Algebra must take an additional 3 credits of higher-level MATH or science electives. Students may also need to complete any prerequisites before entering the course of their choice.

2

See the General Education section of the catalog for a full list of courses.

3

8 credits must be "G" courses and students must have 24 credits total of Area III: Laboratory Science Courses. (See below for Recommended Courses based on subject area).

4

Students should complete these electives with additional courses in either Mathematics (Area II), Laboratory Sciences (Area III) or Engineering Electives to bring total to 60 credits. Mathematics and Science courses can be courses from General Education, in addition to the courses already required to fulfill the General Education requirements. (See below for Recommended Courses based on subject area).

Laboratory Science Course Recommendations

It is strongly recommended to choose an option to focus your studies. Please note that some classes are only offered in a particular semester and may have prerequisites.

Option: Biology

Laboratory Science Courses

Prefix	Title	Credits
BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory	4
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	4
BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory	4
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	4

Mathematics, Engineering and additional Laboratory Science Courses

Prefix	Title	Credits
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	4
PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-Based Physics II Lab	4
MATH 1511G	Calculus and Analytic Geometry I	4
MATH 1521G	Calculus and Analytic Geometry II	4

Option: Natural Resources

Laboratory Science Courses

Prefix	Title	Credits
ENVS 1110G	Environmental Science I	4
BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory	4
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	4
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	4

Mathematics, Engineering and additional Laboratory Science Courses

Prefix	Title	Credits
BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory	4

CHEM 2115	Survey of Organic Chemistry and Laboratory	4
GEOL 1110G	Physical Geology	4
MATH 1511G	Calculus and Analytic Geometry I	4
MATH 1521G	Calculus and Analytic Geometry II	4
PHYS 1310G & PHYS 1310L	Calculus -Based Physics I and Calculus -Based Physics I Lab	4

Option: Physical Science

Laboratory Science Courses

Prefix	Title	Credits
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	4
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	4
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	4
PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-Based Physics II Lab	4

Mathematics, Engineering and additional Laboratory Science Courses

Prefix	Title	Credits
MATH 1250G	Trigonometry & Pre-Calculus	4
MATH 1511G	Calculus and Analytic Geometry I	4
MATH 1521G	Calculus and Analytic Geometry II	4
BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory	4
BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory	4
GEOL 1110G	Physical Geology	4

A Suggested Plan of Study

Additional classes may be needed based on placement test results and course prerequisites. Visit with an advisor for help with creating a customized plan.

First Year

Fall	Credits
ENGL 1110G Composition I	4
Area III: Laboratory Science Course ¹	4
Area III: Laboratory Science Course ²	4
Elective	4
Credits	16

Spring

COMM 1115G Introduction to Communication or COMM 1130G or Public Speaking	3
MATH 1220G College Algebra ³ or MATH 1250G or Trigonometry & Pre-Calculus or MATH 1511G or Calculus and Analytic Geometry I	3-4
Area III: Laboratory Science Course ¹	4
Area IV: Social/Behavioral Science Course ¹	3
Area III: Laboratory Science Course ²	4
Credits	17-18

Second Year

Fall

ENGL 2210G Professional & Technical Communication or ENGL 2221G or Writing in the Humanities and Social Science	3
CHEM 1215G General Chemistry I Lecture and Laboratory for STEM Majors	4
Area V: Humanities Course ¹	3
Elective Course ⁴	4
Credits	14

Spring

Area III: Laboratory Science Course ²	4
Area VI: Creative and Fine Arts Course ¹	3
Elective Course ⁴	4
Gen Ed Elective Course ⁴	3-4
Credits	14-15
Total Credits	61-63

1

See the General Education section of the catalog for a full list of courses.

2

8 credits must be "G" courses and students must have 24 credits total of Area III: Laboratory Science Courses. (See below for Recommended Courses based on subject area).

Biology Option

- BIOL 2610G Principles of Biology: Biodiversity, Ecology, and Evolution/BIOL 2610L Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory
- BIOL 2110G Principles of Biology: Cellular and Molecular Biology/BIOL 2110L Principles of Biology: Cellular and Molecular Biology Laboratory
- CHEM 1215G General Chemistry I Lecture and Laboratory for STEM Majors
- CHEM 1225G General Chemistry II Lecture and Laboratory for STEM Majors

Natural Resources Option

- ENVS 1110G Environmental Science I
- BIOL 2610G Principles of Biology: Biodiversity, Ecology, and Evolution/BIOL 2610L Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory
- CHEM 1215G General Chemistry I Lecture and Laboratory for STEM Majors
- CHEM 1225G General Chemistry II Lecture and Laboratory for STEM Majors

Physical Science Option

- CHEM 1215G General Chemistry I Lecture and Laboratory for STEM Majors
- CHEM 1225G General Chemistry II Lecture and Laboratory for STEM Majors
- PHYS 1230G Algebra-Based Physics I/PHYS 1230L Algebra-Based Physics I Lab
- PHYS 1240G Algebra-Based Physics II/PHYS 1240L Algebra-Based Physics II Lab

3

Students who place above MATH 121G College Algebra must take an additional 3 credits of higher-level MATH or science electives. Students may also need to complete any prerequisites before entering the course of their choice.

4

Mathematics, Engineering and Additional Laboratory Science Electives:

Biology Option

- PHYS 1230G Algebra-Based Physics I/PHYS 1230L Algebra-Based Physics I Lab
- PHYS 1240G Algebra-Based Physics II/PHYS 1240L Algebra-Based Physics II Lab
- MATH 1511G Calculus and Analytic Geometry I
- MATH 1521G Calculus and Analytic Geometry II

Natural Resources Option

- BIOL 2110G Principles of Biology: Cellular and Molecular Biology/BIOL 2110L Principles of Biology: Cellular and Molecular Biology Laboratory
- CHEM 2115 Survey of Organic Chemistry and Laboratory
- GEOL 1110G Physical Geology
- MATH 1511G Calculus and Analytic Geometry I
- MATH 1521G Calculus and Analytic Geometry II
- PHYS 1310G Calculus -Based Physics I/PHYS 1310L Calculus -Based Physics I Lab

Physical Science Option

- MATH 1250G Trigonometry & Pre-Calculus
- MATH 1511G Calculus and Analytic Geometry I
- MATH 1521G Calculus and Analytic Geometry II
- BIOL 2610G Principles of Biology: Biodiversity, Ecology, and Evolution/BIOL 2610L Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory
- BIOL 2110G Principles of Biology: Cellular and Molecular Biology/BIOL 2110L Principles of Biology: Cellular and Molecular Biology Laboratory
- GEOL 1110G Physical Geology