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.

Code	Title	Hours
General Education		
Area I: Communications		
English Composition - Level 1		4-3
ENGL 1110G	Composition I	
English Composition - Level 2		3
ENGL 2210G	Professional & Technical Communication	
or ENGL 222	Writing in the Humanities and Social Science	
Oral Communication		3
COMM 1130G	Public Speaking	
or COMM 11	Introduction to Communication	
Area II: Mathematics [1]		3-4
Choose one from the following:		
MATH 1220G	College Algebra	
MATH 1250G	Trigonometry & Pre-Calculus	
MATH 1511G	Calculus and Analytic Geometry I	
Area III: Laboratory Science [2]		8
Area IV: Social/Behavioral Sciences [2]		3
Area V: Humanities [2]		3
Area VI: Creative and Fine Arts [2]		3
Area VII: Flexible 3 (General Education Elective) [2]		3-4
Core Curriculum Requirements		
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM majors	4
Additional AREA III courses not taken fulfill General Education Requirements [3]		8
Additional Science Course with a Lab [3]		4
Electives to bring the total credits to 61 [3]		**12**
Total Hours		**61-62**

1

Course is a Core Requirement and must be completed regardless of transfer credit awarded.

2

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

3

Please see recommended concentrations options below.

Recommended Concentration Options

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

Code	Title	Hours
BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Laboratory	4
BIOL 1120G & BIOL 1120L	Human Biology and Human Biology Laboratory	4
BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory	4
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	4

Biology Option Recommended Electives

Code	Title	Hours
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-based Physics I Laboratory	4
PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-based Physics II Laboratory	4
MATH 1511G	Calculus and Analytic Geometry I	4
MATH 1521G	Calculus and Analytic Geometry II	4

Option: Natural Resources

Laboratory Science Courses

Code	Title	Hours
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 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	4

Natural Science Option recommended Electives

Code	Title	Hours
BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular 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 Laboratory	4

Option: Physical Science

Laboratory Science Courses

Code	Title	Hours
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 Laboratory	4

PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-based Physics II Laboratory	4

Physical Option recommended Electives

Code	Title	Hours
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 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.

Course	Title	Hours
First Year		
Fall		
ENGL 1110G	Composition I	4
Area III: Laboratory Science Course [1]		4
Area III: Laboratory Science Course [2]		4
Elective		4
	Hours	**16**
Spring		
COMM 1115G or COMM 1130G	Introduction to Communication or Public Speaking	3
MATH 1220G or MATH 1250G or MATH 1511G	College Algebra [3] or Trigonometry & Pre-Calculus 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
	Hours	**17-18**
Second Year		
Fall		
ENGL 2210G or ENGL 2221G	Professional & Technical Communication 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
	Hours	**14**
Spring		
Area III: Laboratory Science Course [2]		4
Area VI: Creative and Fine Arts Course [1]		3
Elective Course [4]		4
Area VII: Flexible 3 (General Education Elective) [4]		3-4
	Hours	**14-15**
	Total Hours	**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 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 Laboratory
- PHYS 1240G Algebra-Based Physics II/PHYS 1240L Algebra-based Physics II Laboratory

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 Laboratory
- PHYS 1240G Algebra-Based Physics II/PHYS 1240L Algebra-based Physics II Laboratory
- 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 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 Laboratory

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 Laboratory
- GEOL 1110G Physical Geology