

Area of Study: Science and Engineering
Pathway: Environmental Science
Degree type: Associate in Science
Curriculum Code: SCI.ENV.AS (U230A29)

(Total Program Credits: 60)

The Environmental Science program includes a broad science-based curriculum for students planning to pursue a baccalaureate degree at a transfer college or university. Provides students with a strong foundation in mathematics and the sciences, including biology, chemistry, and geology. Environmental science majors may find a wide range of career opportunities available in environmental testing laboratories, state and federal government agencies, including the Environmental Protection Agency, U.S. Geological Survey, Departments of Natural Resources, the National Park Service, soil and water conservation services, as well as private or non-profit organizations.

PROGRAM LEARNING OUTCOMES:

At the successful completion of the Associate in Science Degree (Environmental Science) emphasis, the graduate will be able to:

- explain the physical, chemical, and biological components of the earth’s systems and how they function;
- demonstrate proficiency with common research methods and tools to evaluate environmental issues;
- evaluate primary scientific literature to recognize quality research;
- develop an informed opinion about interactions between society and the environment using ethical, political, and historical perspectives; and
- present an independently designed research project that is consistent with the standards and practices in environmental science.

Placement Measures MAT, RHT, and COL sequence placement will be determined by an Academic Advisor. Contact your Academic Advisor before registering for courses.

Developmental education courses do not transfer. They assist students in the path towards college credit.

Program Map for Full-Time Students

Semester One: Fall	Category	Next Steps
CHM 140 General Chemistry I (5)	<i>Physical Science</i>	Meet with your Academic Advisor to create an academic plan. Explore transfer institutions and admissions requirements by attending transfer events .
BIS 150 Principles of Biology I (4)	<i>Life Science</i>	
RHT 101 Freshman Rhetoric & Composition I (3)	<i>Communication</i>	
<i>Social and Behavioral Science General Education Course (3)</i>	<i>Social and Behavioral Science General Education Course</i>	

15 Credit Hours

Note: Grade of “C” or higher is an IAI requirement for RHT 101 and RHT 102.

Semester Two: Spring	Category	Next Steps
GOL 103 Environmental Geology (3)	<i>Physical Science</i>	Meet with your Academic Advisor to update your academic and transfer plan. Create a Transferology account to explore how coursework transfers. Attend a Transfer 101 Workshop .
MAT 170 Elementary Statistics (4)	<i>Mathematics</i>	
RHT 102 Freshman Rhetoric & Composition II (3)	<i>Communication</i>	
<i>Social and Behavioral Science General Education Course (3)</i>	<i>Social and Behavioral Science</i>	
<i>Humanities General Education Course (3)</i>	<i>Humanities</i>	

16 Credit Hours

Note: Grade of “C” or higher is an IAI requirement for RHT 101 and RHT 102.

Semester Three: Fall	Category	Next Steps
SPE 101 Principles of Effective Speaking (3)	<i>Communication</i>	Meet with your Academic Advisor to update your academic and transfer plan. Attend a Ready to Apply Workshop .
MAT 131 Calculus & Analytic Geometry I (5)	<i>Mathematics</i>	
<i>Program Elective (4-5)</i>	<i>Program Elective</i>	
<i>Fine Arts General Education Course (3)</i>	<i>Fine Arts</i>	

15-16 Credit Hours

Semester Four: Spring	Category	Next Steps
<i>Program Electives (16-17)</i>	<i>Program Elective</i>	Meet with your Academic Advisor to finalize your transfer plan. Submit graduation petition by deadline (check for the specific date in catalog or syllabi.) Apply to your transfer institution(s).

16-17 Credit Hours

Note: Take one additional Humanities or Fine Arts and one additional Social and Behavioral Science course, to be eligible for the General Education Core Curriculum (GECC) Credential.

Program Electives (20-22)
BIS 105 Environmental Biology (4) BIS 151 Principles of Biology II (4) BIS 222 Principles of Microbiology (4) CHM 141 General Chemistry II (5) GOL 101 Physical Geology (4)

(Select courses that meet the BS requirements of your transfer college.)

Graduation requirements:

AS degree

Subtotal: 37-41

Environmental Science courses or other electives for AS degree

Subtotal: 19-23

General Education requirements:

- **Communications:** Three courses (nine semester hours).
- **Humanities and Fine Arts:** Two courses (six semester hours), with at least one course selected from Humanities and at least one course from the Fine Arts;
- **Social and Behavioral Science:** two courses (six semester credits), with courses selected from at least two disciplines.

Graduation from an Illinois college or university requires satisfactory completion of one or more courses incorporating Human Diversity, which may be taken as a Humanities and Fine Arts or Social and Behavioral Science course.

- **Mathematics:** Two courses (six to nine semester hours).
- **Physical and Life Science:** Three courses (10-11 semester hours), with at least one course selected from the Life Sciences and one course from the Physical Sciences and including at least one laboratory course.
- **Foreign Language encouraged if transferring to a four-year institution.**
- **CHM 140 will require High School Chemistry, Equivalent Placement, or CHM 110**

See BIS course descriptions.

Note: *This is a generic outline of courses for this program of study. Requirements may vary based on specialty and/or chosen transfer school. Meet with a curriculum counselor for specific transfer recommendations.*

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