

# B.A. in Environmental Science

Program Guide for **New First-Year Students** (Effective Spring 2021)  
 Department of Environmental Science (environmentalscience@rowan.edu)

## Rowan University Graduation Requirements

- Students must complete at least 120 s.h. (semester hours) of coursework that applies to their Rowan University degree
- Students must have an overall/cum. G.P.A. of at least 2.0. (Only Rowan University courses count toward the G.P.A.)
- A minimum of 30 s.h. of coursework must be completed at/through Rowan University
- Only grades of “D-” or above may apply to graduation requirements (some programs may set higher minimums)
- Students must apply for graduation and should do so for the term in which they will complete all program requirements.

## Program-Specific Graduation Requirements

- Students must receive a grade of C or better in all courses satisfying Major requirements

## Rowan Core Courses (General Education)

*Students must satisfy the requirements for all six Rowan Core Literacies*

Rowan Core Literacy	Course #	Course Name	Sem/Yr	Grade	Credits
Communicative (COML)	COMP 01111	College Composition I (or equivalent)			3 s.h.
	COMP 01112	College Composition II (or equivalent)			3 s.h.
	CMS 04205	Public Speaking (or equivalent)			3 s.h.
Artistic (ARTL)	GEOG 16.160	Intro to Mapping and GIS			3 s.h.
Global (GLBL)		Elective			3 s.h.
Humanistic (HUML)		Elective			3 s.h.
Quantitative (QNTL)	STAT 02101	Statistics I			3 s.h.
Scientific (SCIL)	CHEM 06100	Chemistry I			4 s.h.
					<b>Subtotal: 25 s.h.</b>

## Rowan Experience (RE) Courses

*Courses that satisfy Rowan Experience requirements should be included in the Non-Program, Major or Rowan Core sections, and their credits are counted there. A course may satisfy more than one RE requirement.*

- (LIT) Broad-Based Literature course     
  (RS) Rowan Seminar course     
  (WI) Writing Intensive course

## Non-Program Courses (31 s.h.)

Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
MATH 01123	College Algebra				3 s.h.
CHEM 06101	Chemistry II				4 s.h.
PHYS 00210	Physics I				4 s.h.
GEOL 01.101	Physical Geology				4 s.h.
BIOL 01104	Introduction to Evolution and Scientific Inquiry				4 s.h.
BIOL 01.106	Introduction to Genetics				4 s.h.
BIOL 01.203	Introduction to Cell Biology				4 s.h.
BIOL 01.204	Introduction to Ecology				4 s.h.
					<b>Subtotal: 31 s.h.</b>

## Major Courses (28 s.h.)

### *Environmental Science Core*

Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
EVSC 01.115	Environment in the Headlines				1 s.h.
ENST 94.102	Human Nature: Introduction to Environmental and Sustainability Studies				3 s.h.
Choose one: EVSC 01.101 EVSC 01.120 EVSC 01.121 EVSC 01.122	Planet in Peril Oceans in Crisis Global Environmental Change Future of Food				3 s.h.
EVSC 01.202	Environmental Science Research Methods and Data Analysis				4 s.h.
EVSC 01.220	Global Climate Crisis				3 s.h.
ENST 94.301	Environmental Ethics				3 s.h.
EVSC 01.305	Contaminants in the Environment				4 s.h.
Choose one: EVSC 01.380 EVSC 01.385	Atmosphere and Climate Oceans				4 s.h.
Choose one: EVSC 01.410 EVSC 01.240	Environmental Science Clinic Senior Seminar in Environmental Science				3 s.h.
<b>Subtotal:</b>					<b>28 s.h.</b>

### *Restricted Electives (In consultation with advisor, Environmental Science or related electives)\**

Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
EVSC 01.275	Soil Science & Global Soil Resources				3 s.h.
EVSC 01.330	Scientific Computing and Analytics in Environmental Science				3 s.h.
EVSC 01.381	Understanding and Analyzing Climate Change				3 s.h.
EVSC 01.382	Sea Level Change				3 s.h.
EVSC 01.386	Estuaries				3 s.h.
<b>EVSC 01.411</b>	<b>Research in Environmental Science I</b>				<b>3 s.h.</b>
<b>EVSC 01.412</b>	<b>Research in Environmental Science II</b>				<b>3 s.h.</b>
<b>EVSC 01.413</b>	<b>Research in Environmental Science III</b>				<b>3 s.h.</b>
EVSC 01.425	Shaping of Earth Systems				3 s.h.
EVSC 01.430	Radioactivity in the Environment				3 s.h.
EVSC 01.435	Aquatic Biogeochemistry				4 s.h.
EVSC 01.490	Special Topics in Environmental Science				3 s.h.
EVSC 01.525	Advanced Global Field Study				3 s.h.
<b>Subtotal:</b>					<b>6 s.h.</b>

### *Free Electives*

Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
<b>Subtotal:</b>					<b>30 s.h.</b>

*\*Additional courses are in development within Environmental Science. Other course options exist in other departments such as Biology and Chemistry.*

**Total Program Credits: 120 s.h.**