



[AS-ENV; CIP Code 03.0104]

### *Associate in Science (A.S.) – Transfer*

This curriculum provides two years of concentrated study in science for those who plan to pursue a baccalaureate degree in Environmental Sciences. This is a science and math based program to prepare the student for understanding and analyzing data. Communications, Social Science and Humanities courses that put environmental science in the context of history and how to approach solutions are also incorporated. Students are advised to plan their course selection based on the requirements of the vocation or curriculum of the four-year college of their choice.

#### Program Learning Outcomes

Students who have completed the program will be able to:

- Understand and apply basic scientific principles to the study of environmental issues overall including the use of resources in a sustainable manner.
- Develop and demonstrate the basic skill set, techniques and procedures required to conduct and analyze field and laboratory work in environmental sciences.

#### Program Contact

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✦ Are you ready to get  
started at RCSJ?  
Visit [RCSJ.edu/Enroll](https://www.rcsj.edu/enroll)  
and complete the  
interest form. ✦

## *Environmental Science, A.S.*

#### FIRST YEAR – Fall Semester

<input type="checkbox"/> MAT 107 Pre-Calculus and Mathematical Analysis or MAT 108 Calculus <sup>1</sup>	4
<input type="checkbox"/> ENG 101 English Composition I	3
<input type="checkbox"/> BIO 101 General Biology I	4
<input type="checkbox"/> ENVS 101 Environmental Science	4
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#### Spring Semester

<input type="checkbox"/> ENG 102 English Composition II	3
<input type="checkbox"/> BIO 102 General Biology II	4
<input type="checkbox"/> MAT 103 Statistics	3
<input type="checkbox"/> ENVS 110 Physical Geology	4
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#### SECOND YEAR – Fall Semester

<input type="checkbox"/> SPE 101 Oral Communication	3
<input type="checkbox"/> BIO 209 Ecology: Principles and Processes	4
<input type="checkbox"/> GEO 115 Introduction to Geographic Information Systems	3
<input type="checkbox"/> Program Elective <sup>2</sup>	4
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#### Spring Semester

<input type="checkbox"/> ENVS 201 Research Methods & Data Analysis	4
<input type="checkbox"/> Program Elective <sup>2</sup>	4
<input type="checkbox"/> Humanities General Education Elective	3
<input type="checkbox"/> SOC 101 Principles of Sociology	3
<input type="checkbox"/> ECO 101 Introduction to Economics (Macro)	3
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**TOTAL CREDITS: 60**

#### Program Notes

<sup>1</sup> Students planning to transfer to a BS program in Environmental Science should take MAT 108. If a student wants to transfer to a BS program, but tests into MAT 107, see the program elective bank advising recommendations below. Students planning to transfer to a BA program in Environmental Science can take either MAT 107 OR MAT 108. It is recommended that students take the highest-level math they place into.

<sup>2</sup> Program Elective. Select 2 of: PHY 103 Physics I, PHY 201 Physics I (calculus-based), CHM 111 Chemistry I, CHM 112 Chemistry II, MAT 108 Calculus I

#### Program Elective Bank Advising Recommendations:

- CHM 111 AND CHM 112: Recommended for students planning to transfer to Rowan University's BA or BS in Environmental Science or Stockton University's BS in Environmental Science.
- CHM 111 AND PHY103 OR PHY 201: Recommended for students planning to transfer to Stockton University's BA in Environmental Science.
- MAT 108 AND PHY 201: Recommended for students planning to transfer to a BS program in Environmental Science, but place into MAT 107 in your first semester.
- Students planning to transfer to other BS or BA Environmental Science programs are encouraged to meet with their advisor at RCSJ or their transfer school to select their program elective courses.