



[BIOLESAS; 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 should 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.

✦ 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

❑ MATH 120 Pre-Calculus and Mathematical Analysis or MATH 121 Pre-calculus Mathematics or MATH 130 Calculus I ¹	4
❑ ENGL 101 English Composition I or ENGL 101E Enhanced English Composition I	3–4
❑ BIOL 101 General Biology I	4
❑ ENVS 101 Environmental Science	4
	15–16

Spring Semester

❑ ENGL 102 English Composition II	3
❑ BIOL 102 General Biology II	4
❑ MATH 103 Statistics I	3
❑ GEOL 101 Physical Geology	4
	14

SECOND YEAR – Fall Semester

❑ SPEH 101 Effective Speech	3
❑ BIOL 207 Ecology	4
❑ GEGR 115 Introduction to Geographic Information Systems	3
❑ _____ Program Elective ²	4
	14

Spring Semester

❑ ENVS 201 Research Methods & Data Analysis	4
❑ _____ Program Elective ²	4
❑ _____ General Education Humanities Elective	3
❑ SOCI 101 Introduction to Sociology	3
❑ ECON 101 Principles of Economics (Macro)	3
	17

TOTAL MINIMUM CREDITS: 60

Program Notes

¹ Students planning to transfer to a BS program in Environmental Science should take MATH 130. If a student wants to transfer to a BS program, but tests into MATH 120 or MATH 121, see the program elective bank advising recommendations below. Students planning to transfer to a BA program in Environmental Science can take either MATH 120 or MATH 130. It is recommended that students take the highest-level math they place into.

² Program Elective: Select of: PHYS 123 Physics I, Physics with Calculus I, CHEM 101 Chemistry I, CHEM 102 Chemistry II, MATH 130 Calculus I

Program Electives Recommendations

- Students planning to transfer to Rowan University for either a BA or BS in Environmental Science should take CHEM 101 AND CHEM 102.
- Students planning to transfer to Stockton University for a BS in Environmental Science should take CHEM 101 AND CHEM 102.
- Students planning to transfer to Stockton University for a BA in Environmental Science should take CHEM 101 AND PHYS 123 OR PHYS 201
- 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.
- If a student wants to transfer to a BS program in Environmental Science, but places into MATH 120 or MATH 121, they should take MATH 130 AND PHYS 201.