Biology, A.S.

[AS-BIO; CIP Code 26.0101]

Associate in Science (A.S.) — Transfer

For those students interested in a biology-oriented career (pre-med, environmental science, forestry, etc.) this program provides a concentrated study of the first two years toward a baccalaureate degree. Although science and math are stressed, humanities and social science electives aid in providing a broad educational experience. Students are advised to check the requirements of their anticipated vocation or bachelor's degree program at the college to which they intend to transfer.

Program Learning Outcomes

Students who have completed the program will be able to:

- Demonstrate application of theoretical concepts and fundamental principles in the biological sciences, including use of the scientific method
- Conduct background research on life science topics to make educated conclusions and demonstrate ability to access and assess information including understanding of basic concepts, processes and keywords necessary to explore topics
- Communicate with others in written and oral form and present life science information effectively
- Operate basic laboratory equipment successfully including microscopes, measurement devices and computer technologies
- Apply critical thinking and problem-solving skills to solving biology-based problems including utilizing statistics and graphical analyses

Program Contact

Kimberly Henderson, Assistant Professor, Biology, *khender3@rcsj.edu*

Are you ready to get started at RCSJ? Visit ***RCSJ.edu/Enroll*** and complete the interest form.

FIRST YEAR — Fall Semester

❑ ENG 101 English Composition I	3
❑ BIO 101 General Biology I	4
❑ CHM 111 General Chemistry I	4
❑ MAT 108 Calculus I	4
	15

Spring Semester

❑ ENG 102 English Composition II	3
❑ BIO 102 General Biology II	4
❑ CHM 112 General Chemistry II	4
❑ COM 105 Technical and Scientific Writing	3
	14

SECOND YEAR — Fall Semester

❑ CHM 201 Organic Chemistry I	4
❑ BIO 209 Ecology	4
❑ ___ ___ Social Science elective	3
❑ ___ ___ Free elective	1-4
❑ CSC 101 Introduction to Programming or CSC 111 Intermediate Programming	4
	16-19

Spring Semester

❑ CHM 202 Organic Chemistry II	4
❑ BIO 215 Microbiology or BIO 221 Cell and Molecular Biology*	4
❑ ___ ___ Social Science or Humanities elective	3
❑ HPE ___ Health and Physical Education elective	1–3
❑ ___ ___ Humanities elective	3
	15–17

TOTAL MINIMUM CREDITS: 60

Program Notes

Students should consult the institutions to which they wish to transfer when selecting elective courses.
*Students planning on transferring to Rowan University should take BIO 221 Cell and Molecular Biology.