



[BIOLAS; 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 should 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

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

Biology, A.S.

FIRST YEAR – Fall Semester

☐ ENGL 101 English Composition I <i>or</i> ENGL 101E Enhanced English Composition I	3–4
☐ BIOL 101 General Biology I	4
☐ CHEM 101 General Chemistry I	4
☐ MATH 130 Calculus I	4
	15–16

Spring Semester

☐ ENGL 102 English Composition II	3
☐ BIOL 102 General Biology II	4
☐ CHEM 102 General Chemistry II	4
☐ COMM 103 Technical and Scientific Writing	3
	14

SECOND YEAR – Fall Semester

☐ CHEM 201 Organic Chemistry I	4
☐ BIOL 207 Ecology	4
☐ _____ General Education Social Science Elective <i>or</i> _____ General Education Humanities Elective	3
☐ _____ Health and Physical Education Elective <i>or</i> _____ Free Elective	1–4
☐ CSCI 121 Introduction to Programming <i>or</i> CSCI 131 Intermediate Programming	4
	16–19

Spring Semester

☐ CHEM 202 Organic Chemistry II	4
☐ BIOL 203 Microbiology <i>or</i> BIOL 221 Cell and Molecular Biology ¹	4
☐ _____ General Education Social Science Elective	3
☐ _____ Health and Physical Education Elective	1–3
☐ _____ General Education 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.

¹ Students planning on transferring to Rowan University should take BIOL 221 Cell and Molecular Biology.