



[ARTGAS; CIP Code 24.0101]

Associate in Science (A.S.) – Transfer

This program is designed for those students who have selected a major field of concentration and yet want more flexibility in course selection. The program is designed to meet transfer requirements for students pursuing a Bachelor of Science degree. It is suggested, however, that students seek advisement in course selection from the institutions 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 utilized in the sciences, including use of the scientific method
- Conduct background research on scientific 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 scientific information effectively
- Operate basic laboratory equipment successfully
- Apply critical thinking and problem-solving skills to solving scientific research 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. ✦

Arts and Sciences, A.S.

FIRST YEAR – Fall Semester

☐ ENGL 101 English Composition I or ENGL 101E Enhanced English Composition I	3–4
☐ CSCI 121 Introduction to Programming or CSCI 131 Intermediate Programming	4
☐ MATH 120 Pre-Calculus and Mathematical Analysis or MATH 121 Pre-calculus Mathematics	4
☐ ____ Science Elective Pair I (first semester) ¹	4
	15–16

Spring Semester

☐ ENGL 102 English Composition II	3
☐ MATH 130 Calculus I	4
☐ ____ STEM Elective ²	3–4
☐ ____ Science Elective Pair I (second semester) ¹	4
☐ ____ General Education Social Science or Humanities Elective	3
	17–18

SECOND YEAR – Fall Semester

☐ ____ Science Elective Pair II (first semester) ¹	4
☐ ____ General Education Humanities Elective	3
☐ ____ 200 Level Science Elective ³	3–4
☐ ____ Free Elective	1–4
	11–15

Spring Semester

☐ ____ Science Elective Pair II (second semester) ¹	4
☐ ____ 200-level Science Elective	4
☐ ____ Free Elective	3–4
☐ ____ Free Elective	3–4
☐ ____ General Education Social Science Elective	3
	17–19

TOTAL MINIMUM CREDITS: 60

Program Notes

Students must complete all Arts and Science (A.S.) required courses (41 credits) plus 24 credits selected from the Science Elective Pairs and designated courses.

Program Electives

¹ These are the Science elective Pairs. Two pairs of science electives may be selected from the following:

If you take this course in the first semester...	... you must take this course in the second semester
BIOL 101	BIOL 102
BIOL 105	BIOL 106
BIOL 112	BIOL 212
BIOL 118	BIOL 218
CHEM 101	CHEM 102
CHEM 201	CHEM 202
PHYS 123	PHYS 124
PHYS 201	PHYS 202

² One science courses must be selected from the following:

BIOL 101, ENVS 116, ENVS 117, BIOL 105, BIOL 107, BIOL 112, BIOL 113, BIOL 118, BIOL 120, BIOL 207, BIOL 212, BIOL 203, BIOL 221, CHEM 101, CHEM 102, MATH 140, MATH 201, MATH 229, PHYS 123, PHYS 115, GEOL 111, GEOL 112, PHYS 201, SCIN 201.

³ In addition to the two science elective pairs and a science elective a 200 level Science Elective course must be selected from the following: BIOL 207, BIOL 203, BIOL 218, BIOL 221, CHEM 201, CHEM 202, PHYS 201, PHYS 202