Arts and Sciences, A.S.

[AS-ASC; 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 will 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

Program Contact

Karen Durkin, Assistant Dean
Instructor, Mathematics
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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
❑	CSC 101 Introduction to Programming or CSC 111 Intermediate Programming	4
❑	MAT 107 Pre-Calculus and Mathematical Analysis	4
❑	___ ___ Science elective pair I (first semester)[1]	4
		15

Spring Semester

❑	ENG 102 English Composition II	3
❑	MAT 108 Calculus I	4
❑	___ ___ STEM Elective[2]	3-4
❑	___ ___ Science elective pair I (second semester)[1]	4
❑	___ ___ Social Science or Humanities General Education Elective	3
		17–18

SECOND YEAR — Fall Semester

❑	___ ___ Science elective pair II (first semester)[1]	4
❑	___ ___ Humanities General Education Elective	3
❑	___ ___ 200 Level Science Elective[3]	4
❑	___ ___ Free elective	3-4
		14–15

Spring Semester

❑	___ ___ Science elective pair II (second semester)[1]	4
❑	___ ___ 200 Level STEM Elective[4]	3-4
❑	___ ___ Free Elective	3-4
❑	___ ___ Free Elective	1-4
❑	___ ___ Social Science General Education elective	3
		14–19

TOTAL MINIMUM CREDITS: 60

Program Notes.

[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
BIO 101	BIO 102
BIO 105	BIO 106
BIO 112	BIO 212
BIO 115	BIO 216
CHM 111	CHM 112
CHM 201	CHM 202
PHY 103	PHY 104
PHY 201	PHY 202

[2] One STEM Elective course must be selected from the following: BIO 101, BIO 103, BIO 104, BIO 105, BIO 107, BIO 112, BIO 113, BIO 115, BIO 116, BIO 140, BIO 209, BIO 212, BIO 215, BIO 22, CHM 111, CHM 201, CHM 215, CSC 203, CSC 205, CSC 210, CSC 220, MAT 122, MAT 201, MAT 202, MAT 205, MAT 221, PHY 103, PHY 105, PHY 111, PHY 112, PHY 201, SCI 201

[3] 200 level Science Elective Course must be selected from the following: BIO 209, BIO 215, BIO 216, BIO 221, CHM 201, CHM 202, PHY 201, PHY 202

[4] 200 Level STEM Elective Course must be selected from the following: BIO 209, BIO 215, BIO 216, BIO 22, CHM 201, CHM 202, CSC 203, CSC 205, CSC 210, CSC 220, PHY 201, PHY 202, MAT 201, MAT 202, MAT 205, MAT 221, SCI 201