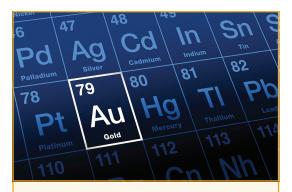
RowanCollege

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) DIVISION



[AS-CHM; CIP Code 40.0501]

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 chemistry. Humanities and social science electives are incorporated to provide a broad educational experience. 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 will be able to:

- Demonstrate competency in fundamental inorganic and organic chemistry topics by applying critical thinking and problem solving skills to solving chemistry/biologybased problems including utilizing graphical analyses
- Develop and demonstrate the basic skill set of techniques and procedures, including recording and reporting of scientific information acquired in the laboratory, necessary to perform scientifically sound laboratory work in the chemical sciences

Program Contact

Dr. Christina Nase Associate Professor, Chemistry cnase@rcsj.edu

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

Chemistry, A.S.

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		
<u> </u>	ENG 102 English Composition II	3
	General Education Elective ¹	3-4
	CHM 112 General Chemistry II	4
	MAT 122 Calculus II	4
	SPE 101 Oral Communication	3
-		17-18
SECOND YEAR – Fall Semester		
	CHM 201 Organic Chemistry I	4
	PHY 201 Physics I (calculus-based)	4
	Humanities General Education Elective	3
	Program Elective ²	3-4
_		14-15
Spring Semester		
	CHM 202 Organic Chemistry II	4
	PHY 202 Physics II (calculus-based)	4
	Social Science General Education Elective OR	-
	Humanities General Education Elective	3
	Social Science General Education elective	3
-		14
		17

TOTAL MINIMUM CREDITS: 60

Program Notes

Students should consult the institutions to which they wish to transfer when selecting elective courses.

- ¹ It is highly recommended that students planning to transfer as pre-med or to any health science related program take BIO 102 (General Biology II) as their General Education elective in First Year Spring Semester.
- ² Program elective courses include: MAT 221 (Calculus III), CIS 110 (Fundamentals of Programming), BIO 221 (Cell and Molecular biology), MAT 202 (Linear Algebra), CSC 101 (Introduction to Programming), or CSC 111 (Intermediate Programming)