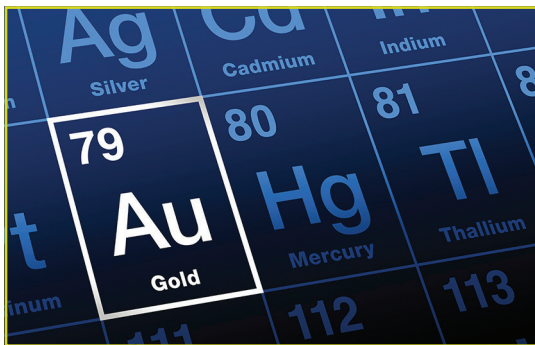




[CHEMAS; CIP Code 40.0501]

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 should be able to:

- Demonstrate competency in fundamental inorganic and organic chemistry topics by applying critical thinking and problem solving skills to solving chemistry/biology based 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

Chemistry, 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
☐ _____ General Education Elective ¹	3-4
☐ CHEM 102 General Chemistry II	4
☐ MATH 140 Calculus II	4
☐ COMM 103 Technical and Scientific Writing	3
	17-18

SECOND YEAR – Fall Semester

☐ CHEM 201 Organic Chemistry I	4
☐ PHYS 201 Physics with Calculus I	4
☐ _____ General Education Humanities Elective	3
☐ _____ Program Elective ³	3-4
	14-15

Spring Semester

☐ CHEM 202 Organic Chemistry II	4
☐ PHYS 202 Physics with Calculus II	4
☐ _____ General Education Social Science <i>or</i> Humanities Elective ²	3
☐ _____ General Education Social Science Elective	3
	14

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 BIOL 102 General Biology II as their General Education elective in First Year Spring Semester.

² Students planning to transfer to Rowan University should:

- Take a Social Science elective as social science or humanities elective.

Program Electives³

MATH 221 Calculus III, MATH 202 Linear Algebra,
CSIC 101 Introduction to Programming or CSIC 111 Intermediate Programming.

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at RCSJ? Visit [RCSJ.edu/Enroll](https://www.rcsj.edu/enroll)
and complete the interest form. ✦