CHEMISTRY (406)

Associate of Science

ABOUT OUR PROGRAM
This program is intended to provide the first two years of a four-year baccalaureate program. Majors in Chemistry study the composition, structure, and properties of substances and the reactions, interactions, and transformations they undergo.

NATURE OF WORK AND EMPLOYMENT
The three most common jobs people have one year after completion of their Bachelor’s degree in this major are chemical technician, chemist, and secondary teacher.

SPECIAL CONSIDERATIONS
Those interested in this field should possess a strong aptitude for mathematics and science as well as curiosity and an attention for detail. The listed coursework is a recommendation only. Students should check with a student advisor for HCC graduation requirements and specific university requirements in this major. Students must meet with an advisor to ensure that the special requirements of the department and institution to which they plan to transfer are met. Colleges and universities have specific requirements for transfer students. Students are encouraged to take MATH 265 Differential Equations and MATH 270 Linear Algebra.

PROGRAM CONTACTS
Call Highland at 815-235-6121 for the following program contacts:

- Mr. John Sullivan, Chemistry Faculty
- Ms. Cecilia Gloden, Student Advisor

RECOMMENDED COURSES
The following are recommended courses for this major only. Students must still meet all requirements for the Associate of Science degree (see page 50) in order to graduate from Highland Community College. For more information, please see your student advisor.

- BIOL 110 Principles of Biology 4
- * CHEM 123 General College Chemistry I 5
- * CHEM 124 General College Chemistry II 5
- * CHEM 221 Organic Chemistry I 4
- * CHEM 222 Organic Chemistry II 4
- * MATH 168 Analytic Geometry and Calculus I 5
- * MATH 265 Differential Equations 3
- * MATH 268 Analytic Geometry and Calculus II 5
- * MATH 269 Analytic Geometry and Calculus III 4
- * MATH 270 Linear Algebra 3
- * PHYS 143 General Physics I 4
- * PHYS 144 General Physics II 4

* Course has a prerequisite. See course descriptions.