

# SCHOOL OF NATURAL SCIENCE AND MATHEMATICS

## Minor in Chemistry

### Purpose:

To offer a well organized and structured program that will complement a variety of baccalaureate majors. A chemistry minor will be especially useful to students planning careers in biology, math, computer science and science education. Acquiring a minor in chemistry will enhance admission into a graduate program or improve employment opportunities. The minor in Chemistry is flexible and provides students with a choice of courses that complement their major.

### Objectives:

Students completing a Minor in Chemistry will be exposed to concepts and techniques in general and organic chemistry, biochemical, and environmental chemistry. This will provide students with a breadth of topics in chemistry and a variety of laboratory experiences.

### Prerequisites:

The Minor in Chemistry is open to all students in all academic programs that accommodate a minor. Certain courses have prerequisites and students will first need to fulfill those prerequisites.

### Requirements:

1. Students must complete 20 credit hours in chemistry including the core courses listed below.
2. Students must obtain a grade of "C" in all courses used for the minor. Students must also obtain an overall GPA of at least 2.0 ("C").
3. Students must complete at least 10 hours of chemistry above the 200 level. At least 8 hours of the minor must be completed on the IU East campus.
4. Students will be advised to take advanced courses in different areas of chemistry when such courses become available.
5. Core Courses: 15 credit hours
  - Chem C105 - Principles of Chemistry I (3 hr)
  - Chem C125 - Experimental Chemistry I (2 hr)
  - Chem C106 - Principles of Chemistry II (3 hr)
  - Chem C126 - Experimental Chemistry II (2 hr)
  - Chem C341 - Organic Chemistry Lectures I (3 hr)
  - Chem C343 - Organic Chemistry I Laboratory (2 hr)

Plus additional chemistry courses from the 200 level or above to total 20 credit hours.

Administration: The full time chemistry faculty will serve as advisors for the chemistry minor. Students planning to complete a minor in chemistry should obtain an application from their advisor. The form should be completed, signed by the minor advisor and put in the student's advising folder.

Assessment/Evaluation: Students will be assessed or evaluated in the Minor in Chemistry program for their knowledge, quantitative abilities, scientific writing and communication skills based on course grades and course assignments, and successful completion of all required and elective courses with a grade of "C" or better. Students are encouraged to voluntarily maintain a portfolio of graded term papers, projects, or laboratory journals from their core and elective courses in the minor for their own personal and professional use. Students are also encouraged to voluntarily maintain records of evidence of any research or presentations relevant to their work in chemistry while completing the minor for their own personal or professional use.