Overview

Three concentrations are available within the program: the Separation Science Emphasis, Traditional General Chemistry Program Emphasis, and Teacher Education Concentration. The Separation Science Emphasis, the first of its kind in the Chicago area, is designed to train chemists for the largest subset of industrial analytical chemistry known as Separation Science. Highlighted in this emphasis are the studies of and research in gas and liquid chromatography and related technologies. Those planning careers in the pharmaceutical industry will be well prepared by completing this emphasis in their master's degree program. The General Program Emphasis is a more broadly based program of study well suited for students intending to enter professional schools and to continue graduate work in chemistry. The new Teacher Education Concentration is designed for middle and high school chemistry teachers to earn master degree in chemistry with emphasis in the Chemical Education.

Credit hours required: 30

Careers

- Quality Control Chemist
- Research and Development Chemist
- Method Development and Validation Chemist
- Pharmaceutical Science Chemist
- Forensic Science Chemist
- Food Science Chemist
- Cosmetic Chemist
- Pharmacologist
- Environmental Science Chemist
- Separation Scientist
- Teacher/Instructor/Professor
- Doctoral studies

Program of Study

CORE COURSES
All students must take at least one course in each of the four areas of the Core Courses.
Analytical Chemistry
- CHEM-450 Gas Chromatography.. 3 cr.
- CHEM-402 Organometallic Chemistry. 3 cr.
- CHEM-406 Coordination Chemistry. 3 cr.
- CHEM-413 Modern Inorganic Chemistry. 3 cr.
- Organic Chemistry
- CHEM-403 Physical Methods of Organic Chemistry. 3 cr.
- CHEM-411 Organic Reaction Mechanisms. 3 cr.
- Physical Chemistry
- CHEM-404 Chemical Thermodynamics. 3 cr.
- CHEM-405 Quantum Chemistry. 3 cr.
- CHEM-416 Nanoscience. 3 cr.

The full description of the concentrations and courses can be found in the University Catalog or by contacting Dr. Veronica Albazi (Department Advisor) at V-Albazi@neiu.edu, or Dr. John Albazi (Department Chair) at S-Albazi@neiu.edu.

Admissions

Applicants must meet the general requirements for admission to the College of Graduate Studies and Research. Full admission to the program requires at least a 3.0 (B) average in the following prerequisite undergraduate courses: (a) two semesters of general chemistry, two semesters of organic chemistry, two semesters of physical chemistry, and one semester of analytical chemistry (all of these must include laboratory); (b) two semesters (normally eight credit hours) of physics including laboratory; and (c) two semesters (normally eight credit hours) of calculus. Conditional admission to the program may be granted when a student has a marginal undergraduate record or a deficiency in prerequisite undergraduate courses.
GRE: Not required

Attending Northeastern

- Classes are offered during the late afternoon and evening hours to accommodate professionals working full-time
- Students may attend either part-time or full-time
- Current in-state graduate tuition is less than $400 per credit hour (tuition & fees)
- Financial support: Financial aid (loans), merit tuition scholarships, and graduate assistantships are often available to help fund your graduate education. Contact us for further details.

Contact Us

Give us a call: (773) 442-6001
Email us: graduateadmissions@neiu.edu
Visit us at the Graduate Admissions office:
M-Th: 8:30 a.m.-7 p.m. Fri: 8:30 a.m.-4:30 p.m.
5500 North St. Louis Avenue, Chicago, IL 60625
Room D-101D
Visit our website: www.neiu.edu/graduatestudies

Subject to change. See current University catalog for up-to-date information.

Newsweek magazine has named Northeastern Illinois University the Sixth Best Investment among all universities in the nation and number one in Illinois.