

# CHEMISTRY (BS) + SECONDARY EDUCATION CHEMISTRY (MED)

The combined Bachelor's + Master's degree programs allow students to complete 12 graduate credit hours while still undergraduates. These 12 graduate credit hours will count toward both the undergraduate and graduate degree programs.

The TEACH Program combines a College of Science and Health (CSH) undergraduate Chemistry major or some other disciplinary major with a graduate level College of Education (COE) Master of Education (MEd) Program. Students graduate with a BS in their CSH disciplinary major and a MEd in Education with a State of Illinois Secondary Chemistry Certification.

Students may apply to the TEACH Program during the spring of their junior year. They must enroll in the Junior Year Experiential Learning course, TCH 320, and meet other application criteria; these include completion of at least 16 quarter credit hours at DePaul and a 3.0 GPA.

During their senior year, students are required to complete a TEACH Program capstone course, TCH 390, and three 400-level courses that count toward both their undergraduate and graduate degrees:

## Junior Year Coursework : 4 undergraduate quarter hours required

Course	Title	Quarter Hours
TCH 320	EXPLORING TEACHING IN THE URBAN HIGH SCHOOL (fulfills the Liberal Studies Program experiential learning (EL) requirement)	4

## Senior Year Coursework : 4 quarter hours required

Course	Title	Quarter Hours
TCH 390	CAPSTONE: INTEGRATING EDUCATION & DISCIPLINARY FOUNDATIONS (fulfills undergraduate Capstone requirement; major area may require a separate Capstone course)	4

## Undergraduate/Graduate Double-Counted Courses: 12 undergraduate/graduate quarter hours required, grade of C or better required.

Course	Title	Quarter Hours
TCH 402	INTRODUCTION TO MIDDLE GRADES AND SECONDARY EDUCATION	4
TCH 414	THE NATURE OF SCIENCE	4
TCH 424	INQUIRY & APPLICATION IN DEVELOPING SCIENCE PEDAGOGY	4

## All coursework in the content area must earn a grade of C or better.

- General Chemistry I
- General Chemistry II
- General Chemistry III
- Organic Chemistry I
- Organic Chemistry II
- Analytical Chemistry
- Physical Chemistry I
- Physical Chemistry II
- Applied Probability and Statistics (2 qh)
- Chemistry Seminar (2qh)
- Calculus I
- Calculus II
- Calculus III
- General Physics I
- General Physics II
- General Physics III
- Choose three of the following Chemistry courses: 12 quarter hours
  - Organic Chemistry III
  - Air Chemistry
  - Solid Waste Chemistry
  - Physical Chemistry III
  - Intermediate Inorganic Chemistry
  - Intermediate Organic Chemistry
  - Biochemistry I
  - Biochemistry II
  - Biochemistry III
  - Nuclear Chemistry
  - Biophysical Chemistry
  - Medicinal Chemistry
  - Drugs and Toxicology
  - Nutrition
  - Applied Spectroscopy

This combined degree program of the College of Science and Health and the College of Education was collaboratively developed, and is governed and taught by faculty from these units.

The Master's year comprises teacher-preparation coursework that culminates with student teaching during Spring quarter. Upon graduation and the fulfilling of State of Illinois licensure requirements (which may require some additional course work in the student's major and related fields), students are eligible to be licensed to teach Chemistry at the 5th-12th grade levels.

A full description of the TEACH Program can be found here. (<https://catalog.depaul.edu/programs/secondary-education-chemistry-med/>)

Students interested in the TEACH Program should consult with the designated TEACH Program advisor in their home department.