

****The University of Saint Francis has revised the General Education Requirements for all Bachelor Degree programs. Due to the vastness of this revision there may still be adjustments. Please use the program sheets as your guide to degree requirements. Any questions should be directed to your academic advisor. ****

Department of Chemistry

Program Overview

Matter and energy in their transformations and manifestations form the basis of the curriculum in Chemistry and the Physical Sciences. The highly qualified faculty and the physical setting support the learning environment. The Schouweiler Planetarium and other specialty laboratories—Organic, Biochemistry, Physics, Geology, Environmental, and Instrumental— enable students to encounter and interact with the materials and equipment of science. The laboratory instrumentation includes: Chromatography-GC, GC-MS and HPLC, Spectroscopy: FTIR, IR, UV, Vis, AA, fluorescence and ICP NMR, special instruments of biotechnology. Faculty research interests include: porphyrins, RNA, mineralogy, Water Analysis, and Natural Products. Students in the program participate in undergraduate research.

Purpose Statement

The study of chemistry and physical sciences prepares program participants to provide stewardship of natural resources and to contribute to society in careers in industry, research, medicine, product development, and quality control.

Admissions Criteria

Traditional Students (up to age 24)

1. Graduate from an accredited high school.
2. Rank in the upper 1/2 of the high school graduation class.
3. Have a 2.3 grade point average on a 4.0 scale.
4. Earn a Scholastic Aptitude Test (SAT) recentered score of 1,000 or above (Verbal/Critical Reading and Math combined) or an American College Test (ACT) composite score of 21 or above. This requirement applies to all first-time applicants who will graduate or have graduated from high school within the last two academic years. Information and application for either test may be obtained from your high school guidance counselor.
5. Students who did not graduate from high school must have completed the General Educational Development (GED) tests and must have a total score of 2,500 with no sub-score below 500. Prior to 2002, a composite score of at least 50 and no sub-score below 40 is required.

Adult Students (25 years of age and over)

1. Graduate from an accredited high school.
2. Have a 2.3 grade point average on a 4.0 scale.

3. Students who did not graduate from high school must have completed the General Educational Development (GED) tests and must have a total score of 2,500 with no sub-score below 500. Prior to 2002, a composite score of at least 50 and no sub-score below 40 is required.

Candidates who do not meet the criteria for automatic admission to the University of Saint Francis may still apply for admission. Applications for admission will be reviewed by the Admissions and Academic Progress Committee.

Admission Criteria for Doctor of Pharmacy

Under an agreement with Northwestern University's Chicago College of Pharmacy, USF offers a Dual Acceptance program which permits students to complete their prerequisite requirements during two years at the University of Saint Francis, then matriculate into Northwestern University's Chicago College of Pharmacy to begin a four-year Doctor of Pharmacy program. Eligible students must be accepted into USF, rank in the top 25 percent of their high school graduating class, score in the top 25 percent on a college entrance examination (ACT 24 or SAT 1175), and be selected for an interview by the Chicago College of Pharmacy Admission Committee.

Progression Requirements

Liberal Arts Chemistry and

Liberal Arts General Science

Satisfactory progress in Chemistry courses, with a grade of "C" or better, and maintain a GPA of 2.0 or above.

Secondary Education Chemistry,

Secondary Education Physical Science

Students are not permitted to enroll in any Education methods course unless they have formally been accepted into the Teacher Education program. Students must meet the following criteria to be accepted for Student Teaching (Decision Point 2):

1. Submit the completed Application for Student Teaching.
2. Successfully complete the Developing Portfolio.
3. Provide a Limited Criminal History check.
4. Conduct a Zachary's Law check.
5. Be admitted into the Teacher Education program.
6. Possess a cumulative GPA of 2.5.
7. Possess a professional GPA of 2.8 in major coursework (see handbook for courses).
8. Complete a minimum of 94 semester hours of credit.
9. Demonstrate computer competency.
10. Complete EDUC 301 with a grade of "C" or above.
11. Provide two Assessment of Professional Potential forms.

After admission to the Teacher Education program, student teaching is done in either semester of the student's senior year. Upon successful completion of Student

Teaching (Decision Point 3), students must submit the Proficient Portfolio and give their Proficient Portfolio presentation to be eligible for recommendation for teacher licensure. To apply for teacher licensure, students must meet the above criteria and complete the following:

1. Submit the Application for Indiana Teaching License.
2. Obtain a money order for \$35 payable to the State of Indiana.
3. Request an original Limited Criminal History.
4. Pass Praxis II Test.

Major/Minor

Majors: Liberal Arts Chemistry, Liberal Arts General Science, Chemistry/Mild Intervention Middle School/Secondary Education, Physical Science/Mild Intervention Middle School/Secondary Education

Minor: Chemistry