Industrial Chemistry - Fermentation Science Concentration

Official Program Checksheet

Why Choose Industrial Chemistry Fermentation Science Concentration?

Students in the Industrial Chemistry program are trained in organic, analytical, physical, and biological chemistry. In addition, coursework and experience provide skills and practical application in the areas of safety issues, instrumental analysis, and fermentation.

This program is designed to prepare students with the lab experience necessary to build a career in chemistry along with the theoretical underpinnings and supporting knowledge needed to advance in such a career.

All classes are taught with an emphasis on practical application and problem solving, culminating in an internship experience. This allows each student to apply the skills and knowledge they have gained in a real-world, commercial setting.

Career Opportunities

Industries in Michigan, the Midwest, and throughout the entire country are using increasingly sophisticated chemical procedures, processes, and instrumentation. Consequently, industrial leaders are becoming more concerned about health hazards and safety factors. These companies need chemists and chemical professionals that are experienced and ready to work. Many managers seek Ferris graduates to fill the demand.

Graduates find jobs in a variety of industries, including chemical, plastics, pharmaceutical, environmental, paint, food, automotive, petroleum and personal care products.

Admission Requirements

First year student admission is open to high school graduates (or equivalent) who demonstrate academic preparedness, maturity, and seriousness of purpose with educational backgrounds appropriate to their chosen program of study. High school courses and grade point average, ACT/SAT16 composite score, and ACT/SAT16 Reading and Mathematics subscores will be considered in the admission and placement process. Transfer students must have at least 12 credits at the time of application with a minimum 2.0 overall GPA including an English and mathematics course, or they must provide their high school records and ACT/SAT16 scores for admission review.

General Education Requirements

This degree requires completion of the General Education requirements for a Bachelor of
Science degree. Details of these requirements are delineated on the General Education website.

All University General Education requirements can be found here: http://www.ferris.edu/HTMLS/academics/general-education/requirements/BA-BS.htm

Please consult this link for a complete listing of General Education Electives: http://www.ferris.edu/HTMLS/academics/general-education/courses/index.htm

Consult the official checksheet or program advisor for program specific General Education requirements.

**Graduation Requirements**

The Industrial Chemistry - Fermentation Science program leads to a Bachelor of Science degree. Graduation requires a minimum 2.0 GPA overall and a minimum of 120 credits including completion of all general education requirements. No grade lower than a ‘C’ is acceptable in courses that apply to the major, supporting sciences, and application area of the program. At least 50% of the semester credits applying toward the Biology major must be completed at FSU with a minimum of 30 FSU credits overall. Minimum of 40 credits at the 300+ level. Students may earn only one degree in Chemistry (either Chemistry BA, Biochemistry BA or Industrial Chemistry BS).

**More Information**

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