



Industrial & Systems Engineering

The Industrial & Systems Engineering Department (ISyE) at UW-Madison is consistently ranked among the nation's top 10 IE programs and is a national leader in research funding. Our faculty are leaders in their fields, respected nationally and internationally for their research. In the UW-Madison ISyE Department, you have the opportunity to gain the technical knowledge and interpersonal skills you need to succeed.

Program Overview

Experience the Industrial & Systems Engineering Thematic Track VISP Program! The industrial engineer applies problem-solving techniques in almost every kind of industry, business or institution. Our course curriculum is set up to provide a diversified background and at the same time allow choices according to individual interests. State-of-the-art lab facilities and world-class faculty enrich the academic experience and provide a broad range of options from which students can choose their academic path. Courses focusing on teams and design projects prepare students to succeed in the workplace.

Student Support

From the time you apply to the end of your stay, the VISP staff is here to assist you. As a VISP participant, you have full access to all of UW–Madison’s academic and student support services, such as libraries, computer labs, clubs and sports facilities. You are also encouraged to attend VISP-sponsored social and cultural events. Upon completion you will receive an official UW–Madison transcript.

Academics

ISyE faculty and staff will assist students in their course selection. Each semester, you’ll take the majority of your full-time credit requirement (9 of 12 credits for undergraduate-level students) within ISyE, selecting from the many courses offered by our department. You can complete your full-time course load either with additional ISyE courses — or we will help suggest relevant courses to seek out in a related discipline. Specialized coursework can be categorized in four main areas:

- Engineering Analytics and Operations Research
- Healthcare Systems Engineering
- Human Factors and Ergonomics
- Manufacturing and Supply Chain Management

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