PROGRAM OVERVIEW
The path to a graduate degree in industrial engineering takes many shapes and forms. Students with backgrounds in engineering, math and other undergraduate degrees can successfully achieve their career goals. The graduate programs in industrial engineering develop skills to tackle immediate challenges across multiple industries and provide a basis for graduates to advance professionally. While building wide knowledge of industrial engineering, students can focus on several areas including ergonomics and human factors, healthcare, supply chain systems, and information technology engineering. Graduates have the ability to identify, design, and execute industrial engineering projects and research, and they pursue careers in academia, research, industry, and government.

DEGREES OFFERED

Master of Science in Industrial Engineering
The Master of Science in Industrial Engineering program offers both thesis and non-thesis (project) options. In the thesis option, students complete substantial coursework (at least 24 hours) and a thesis. For the non-thesis, or project option, students focus more on coursework (at least 33 hours) and complete a three-hour independent study master’s project. The MSIE is also offered with a concentration in information technology engineering.

PhD in Industrial Engineering
Students develop an individualized program of study in consultation with the faculty advisor and approved by the dissertation research committee. The program consists of a minimum of 42 credit hours of non-research coursework, which includes two required and four elective 7000 level IE courses and eight other elective courses. These other elective courses may be additional IE courses or courses from other university programs to satisfy the needs of research goals or career objectives.

The dissertation requires meeting several milestones: at least 12 credit hours of dissertation research, a general exam to be taken after the majority of coursework is complete, a dissertation defense, and a written dissertation.

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FACULTY RESEARCH AREAS

Fereydoun Aghazadeh
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Craig Harvey
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Laura Ikuma
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Hyun Jeon
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Gerald Knapp
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Isabelina Nahmens
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