

Industrial and Manufacturing Engineering

Department Information

- **Department Chair:**
Kambiz Farahmand, Ph.D.
- **Program Coordinator:**
Mojahid Saeed Osman, Ph.D.
- **Department Location:**
106 Engineering
- **Department Phone:**
(701) 231-9818
- **Department Web Site:**
www.ndsu.edu/ime/ (<http://www.ndsu.edu/ime/>)
- **Application Deadline:**
March 1 is the priority fall deadline for funding consideration; August 15 for spring and summer. Domestic applications due one month prior to start of semester.
- **Credential Offered:**
Ph.D., M.S., M.Eng.
- **Test Requirement:**
GRE required for all Ph.D. applicants and any M.S. applicants who did not earn Bachelor's degrees in the U.S.
- **English Proficiency Requirements:**
TOEFL ibt 71; IELTS 6.0; Duolingo 105

The mission of the graduate program in the IME Department at NDSU is to advance knowledge and research of industrial and manufacturing engineering, strengthen and support industry, and enhance teaching. We currently offer three graduate degrees in Industrial & Manufacturing Engineering:

- 1) Master of Science (M.S.): A thesis-based master's degree program designed to equip students with the ability to analyze, design, and manage industrial and manufacturing systems as well as enable students to develop scholarly abilities to further pursue a Ph.D. degree in industrial and manufacturing engineering (or a related field).
- 2) Master of Engineering (M.E.): Designed to provide a graduate education option for professionals who do not have the time resources for a full-fledged master's research option and developing a thesis. Various areas of emphasis are available for students pursuing this option.
- 3) Doctor of Philosophy (Ph.D.): A research-intensive degree, the Ph.D. in Industrial and Manufacturing Engineering is conferred in recognition of marked original research and high scholastic attainment. This degree is awarded following the successful defense of an acceptable dissertation summarizing substantial results of a student's original research work. Areas of specialization for research encompass a wide range of topics, including but not limited to 3D printing, applied statistics and probability, biomedical science, experimental design, data mining and machine learning, healthcare, manufacturing, operations research, quality control theory, reliability, simulation, and sustainability.

For more information about our department and programs, please visit our department website at www.ndsu.edu/ime/.