

INDUSTRIAL AND MANUFACTURING ENGINEERING AND TECHNOLOGY

The baccalaureate programs in industrial engineering and manufacturing engineering are accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org> (<https://www.abet.org/>). The baccalaureate program in manufacturing engineering technology is accredited by the Technology Accreditation Commission of ABET, <https://www.abet.org> (<https://www.abet.org/>).

Faculty: Professors Chen (chair), Li, Shareef, Tayyari, Yoo; Associate Professors Guo, Saboury. Emeritus Professors Emanuel, Krishnamoorthi, Kroll, Lin; Emeritus Associate Professor Ness.

The department offers undergraduate degree programs in Industrial Engineering (BS-IE) (<https://catalog.bradley.edu/undergraduate/programs/industrial-engineering-major/>) (including UG concentrations in Engineering Management (<https://catalog.bradley.edu/undergraduate/programs/industrial-engineering-engineering-management-concentration/>) and Supply Chain Analytics (<https://catalog.bradley.edu/undergraduate/programs/industrial-engineering-supply-chain-analytics-concentration/>)), Manufacturing Engineering (BSMFE) (<https://catalog.bradley.edu/undergraduate/programs/manufacturing-engineering-major/>) (including UG concentrations in Lean Manufacturing (<https://catalog.bradley.edu/undergraduate/programs/manufacturing-engineering-lean-manufacturing-concentration/>) and Process Engineering (<https://catalog.bradley.edu/undergraduate/programs/manufacturing-engineering-process-engineering-concentration/>)), Manufacturing Engineering Technology (BSMFG) (<https://catalog.bradley.edu/undergraduate/programs/manufacturing-engineering-technology-major/>), and a minor in Quality Engineering (<https://catalog.bradley.edu/undergraduate/programs/quality-engineering-minor/>).

See the Graduate section of the Catalog for more information about our graduate programs in industrial engineering (MS-IE), in manufacturing engineering (MS-MFE), and in data science and analytics- engineering analytics concentration (MS-DSA-EA).

Mission and Core Values

Mission Statement

The mission of the Department is to educate students for life-long learning and equip them for distinguished careers in industrial engineering, manufacturing engineering, and manufacturing engineering technology.

IMET Core Values

The Department of Industrial & Manufacturing Engineering & Technology (IMET) at Bradley University is committed the following core values:

- **Customer-Driven**

As a consumer-focused educational provider, our program offerings and course structures are based entirely on the internal and external demands of our constituencies. Through catering to the needs of internal constituencies such as our students and external constituencies such as federal agencies, nonprofit organizations, and corporate companies, we ensure an ideally balanced curriculum.

Further, we are conscious that our lectures reach not an audience, but a group of individual students, each with his or her specific interests and aspirations. Our varied programs and research opportunities allow students to pursue unique scholastic concentrations.

- **Global Understanding**

As a modern entity, we understand the magnitude of globalization's effects on today's economy. Our diverse and progressive department prepares our graduates to be competitive on a global scale.

- **Spirit of Entrepreneurship**

As a group of innovative leaders, we teach our students to become successful in any industry they may choose. Our emphasis on the spirit of entrepreneurship imparts to graduates management skills, the ability to be ingenious, and the motivation to capitalize on both opportunities and obstacles.

- **Community**

As a tightly woven community, we place great importance on respect, teamwork, communication, and cooperation. We encourage the development of lasting, professional relationships between students and faculty members through research projects and classroom interaction.

- **Adaptive Strategies**

As a dynamic organization, we harness the tools of improvisation and mold them to fit current situations. In a changing global environment and uncertain market, we believe the flexibility to re-evaluate, plan strategically, and adapt to varying circumstances is crucial to the success of our students.

Student Organizations

Student chapters of the American Society for Materials (ASM), American Society for Quality (ASQ), Institute of Industrial and Systems Engineers (IISE), Society of Automotive Engineers (SAE), American Foundrymen's Society (AFS), Society of Manufacturing Engineers (SME), and the Association for Supply Chain Management (ACSM, formerly APICS) are sponsored by the department to support and encourage the professional development of the students. The department is also a strong supporter of the student sections of the National Society of Black Engineers (NSBE), the Society of Hispanic Professional Engineers (SHPE), and the Society of Women Engineers (SWE).

Honor societies for industrial engineering students (Alpha Pi Mu) and for manufacturing students (Beta Tau Epsilon) are also represented.