BS in Industrial Engineering Technology

What is IET?

The IET program prepares individuals to apply basic engineering principles and technical skills in the improvement of processes in production and service environments. This includes instruction in process and productivity improvement, production line operations, inventory control, operations management, cost and capital project analysis, plant layout, work planning, quality systems, and statistical quality control.

Graduates of this program are also well versed in the establishment of systems, systems analysis, electronics and instrumentation, computer-aided design and manufacturing, programmable logic controllers, electronics, hydraulic and pneumatic control systems, robotics, and automation.

Employment:

Positions: Graduates from this program are hired as industrial engineers/technologists, productivity improvement specialists, process and quality control engineers, and for overall management in manufacturing and service industries. As this is not an engineering program, which involves advanced calculus and sciences, an engineering position is not guaranteed. However, our students do enjoy fruitful careers and graduate opportunities in industry.

Salaries: Mean salary range- $55,000- $65,000

Employers & Responsibilities: Graduates from this program are employed in manufacturing, healthcare, banking, and other service industries to contribute in functional areas of production, planning, facilities management, technical sales, operations, and other related areas.

- Patheon
- ABB Pinetops
- Bosch
- Phillip Morris
- Universal Leaf
- Black and Decker
- ASMO
- Roche Biomedical
- Firestone
- Goodyear
- Siemens
- Hyster-Yale

There are many options for students in this program. IET graduates can set up a manufacturing or service business, manage projects of various kinds, conduct process improvement for various industries, and pursue a masters or a doctorate degree and professional certifications in project management, Lean manufacturing, and Six-Sigma.

- Industrial Engineer
- Automation Engineer
- Lean Coordinator
- Production Manager
- Project Engineer
- Six-sigma Black Belt
- Operations Manager
- Technical Sales Manager
- Process Engineer

Internship Requirement: None, but highly recommended

Professional Certifications? Students may have the opportunity to get initial certifications in Lean Manufacturing and Six Sigma. However, only students in the BS in Engineering are eligible for the Professional Engineer certification.

Accreditation: ATMAE

Program Requirements: Catalog Entry

Credit Hours: 120 (average 15 hours per semester without summer to graduate in four years)
Advising Tips

• **Register** for ITEC 2000 or MIS 2223 first, and then register for IENG 2020, 2021 (class and lab) together.

• Register for 15-16 hours your first semester. This ensures that if you need to withdraw from a course, you are still a full time student, which could impact financial aid, residency, your ability to remain in the residence hall, etc.

• We recommend that you take a mix of major courses and general education courses each semester to balance your schedule. This may include 2 to 3 courses with labs, along with other courses.

• This program is not the BS in Engineering, which requires an additional application. IET requires less math and science, but involves many engineering principles that apply to industry.

• Many major courses are offered in spring or fall only, and have prerequisites. When registering, check the course information to be sure you have met any prerequisites.

• You may see other restrictions when registering, including:
  
  o Student Attribute Error/Program Restriction most likely mean that you are attempting to register for an online/DE course, typically section 60x. These are for students in our online programs only.
  o Prerequisite: You do not have the prerequisite to take this course