

Engineering

Applied Engineering and Technology Management

Description of major: The BSE program includes a required core of engineering courses as well as coursework in science and mathematics. In addition, the program requires completion of 1 of 3 concentrations that enable students to tailor the program to meet career goals.

- **Civil Engineering:** aspects of structural analysis of concrete design, wastewater/drinking water system design, hydrology, & transportation engineering.
- **Industrial Engineering:** reliability, maintainability, operations, & production planning.
- **Mechanical Engineering:** machinery dynamics, engineering design/management, heat transfer, & finite elemental analysis.

Engineering application & design considerations are explored with experiential learning, engaging students in research, testing, design, and analysis. Students also develop vital knowledge, skills, & abilities assuring a comprehensive understanding of engineering principles & disciplines

Math Requirement: Calculus I, II and III, Differential Equations, Advanced Statistics

Science and Lab Requirement: Physics, Chemistry

Hands on/Lab Based: Yes

Theoretical/Analytical: Yes

Distance Program: No

Accreditation: Higher Learning Commission

Popular Jobs Associated: Engineers, Technical Managers, Supervisors at engineering firms, government offices, manufacturing facilities- there is a critical need for engineers in Indiana.

Average Salary Range: Median entry-level salary is \$70,000-\$85,000

Department or Major Contact Information:

AETM Department
College of Technology
Indiana State University
812-237-9626

