



Areas students choose to focus on:

- Human Factors & Ergonomics
- Operations Research
- Simulation
- Quality Engineering
- Facilities Planning & Design
- Sustainability

For more information, contact:

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(805) 756-2341

or visit

www.ime.calpoly.edu

Students are encouraged to review admissions and curriculum requirements in the Cal Poly Catalog or at the following websites:

Curriculum Requirements
www.calpoly.edu/~acadprog/

Cal Poly Admissions
www.ess.calpoly.edu/_admiss/

CENG Advising Center
www.eadvice.calpoly.edu/

California Polytechnic State
University

Updated 08-08

Industrial Engineering

Industrial Engineering

Is the profession concerned with solving integrated engineering and management problems. They apply practical and scientific knowledge to solving engineering and management situations with special consideration for the human element.

Graduates in industrial engineering are career-ready engineers prepared for:

- Immediate entry into their field, based on hands-on experience.
- Success as engineering professionals based on a solid grounding in the fundamentals.
- Long-term career success based on a well-rounded education.
- A life-long pursuit of learning.

Career Opportunities

The B.S. Industrial Engineering degree opens the door to many attractive career options in numerous industries (e.g., aerospace, biomedical, energy, entertainment, food & manufacturing).

Sample positions accepted include management analyst, production engineer/manager, quality engineer, reliability engineer, sales, systems engineer, and project manager.

Graduates are also well prepared for successful graduate study. Currently the IME Department offers masters degrees in Industrial Engineering (IE) and Integrated Technology Management (ITM), and (jointly with the College of Business) the Engineering Management Program (EMP). The focus of each of these programs can be tailored to best fit the individual needs of a industrial engineer.

B.S. IE Curriculum

The curriculum emphasis is based upon the application of basic knowledge of math, physical, and social sciences. The curriculum objectives are to improve the quality and productivity of creating and delivering goods and services and to act as the interface between technology and humans.

Computing Environment

Department and university laboratories and equipment, including computers and programmable processors, are integrated into coursework from matriculation until graduation to investigate, test, and apply theoretical principles learned in the classroom.

Project Experience

Due to their unique experiences in their classes and laboratories, industrial engineers serve as valuable team members for projects across the college and university such as:

Brick-Press Development for Zambia
Engineers Without Borders
Lead-Free Solder Joint Reliability
LED Project
Material Handling Design Comp.
PolyHouse
PolySat
RFID Project Design
SAE Baja Competition
Sustainability Projects

Student Organizations

The department has active student chapters of the Association of Facility Engineers (AFE), Sustainability Advisory Council (IMESAC), Institute of Industrial Engineers (IIE), Society of Manufacturing Engineers (SME), and Society of Women Engineers (SWE). Student teams compete in national competitions and student organizations sponsor industry/student events.

The B.S. Industrial Engineering program is accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012
Telephone: (410) 347-7700.