

# Industrial Technology

College of Agricultural  
Sciences and Technology

## Department of Industrial Technology

Matthew M. Yen, *Chair*

Meg Broderick, *Administrative Support  
Coordinator*

M. Grosse Industrial Technology  
Building, Room 212, M/S IT 9  
559.278.2145

FAX: 559.278.5081

[www.csufresno.edu/indtech/](http://www.csufresno.edu/indtech/)

## B.S. in Industrial Technology

Emphases:

- CAD/CAM Systems Management
- Industrial Control Systems Management
- Quality Systems Management
- Transportation Systems Management
- Networking Systems Management

## M.S. in Industrial Technology

### Minor in Industrial Technology

### Industry and Technology Teaching Credential Waiver

### Certificate in Computer Process Control Network Administration

### Certificate in Networking Routing and Internetworking Technology

## Industrial Technology

Industrial Technology (IT) at California State University, Fresno is preparing today's and tomorrow's leaders of industry. IT equips the graduate to use and manage 21st century technology. All of the courses in Industrial Technology's bachelor of science program cover state-of-the-art principles and use lab experiences to illustrate their applications. Computer software is used both as a tool and to stimulate processes. Technical concentrations build on a common core of technology and management. Our faculty members are dedicated educators who have the industrial experience necessary to do an outstanding job in the classroom.



The major focus of IT is to prepare individuals for technical and industrial management positions. Major economic sectors (i.e., manufacturing, agriculture, and service) have high demands for qualified technical managers who can contribute to better product reliability, efficiency, and improved productivity. Examples of positions held by IT graduates are assistant plant engineer, fleet service representative, manufacturing engineer, operations supervisor, production planning analyst, production scheduling coordinator, and quality control supervisor.

Average salaries for CSU Fresno IT graduates are commensurate with those offered to business managers and engineers in the greater Bay Area and Los Angeles areas. IT graduates typically enjoy career growth in both management and technological pathways.

Enrichment opportunities abound for IT students. Professional societies active in the program include the American Society of Automotive Engineers (SAE), Advanced Technology Enterprises (ATE), American Society of Quality Control (ASQC), and Epsilon Pi Tau (EPT). Through participation in one or more of these groups, students learn more about their profession and interact with working professionals in their field. Internships are also available to provide on-the-job experience to interested students.

The Master of Science in Industrial Technology program prepares graduates to assume positions of leadership and management. The program consists of a common core of

technical management courses and elective courses, and a project/thesis, depending on the individual's educational and career objectives.

## Mission Statement

The mission of the department is to prepare individuals for technical and management careers in business, industry, agriculture, and government for the improvement of regional and global economy.

The characteristics of the Industrial Technology curriculum are (a) advocating multiple cognitive-channel learning, i.e., audio, visual, and kinesthetic; (b) promoting development of "transferable" professional skills, such as written/oral communication, leadership, and people skills; (c) emphasizing cumulating experiences of knowledge applications and system integration; and (d) serving manufacturing/processing/agricultural industries to achieve desired goals efficiently and with appropriate concern for the environment, ethics, quality, and human diversity.

## Instructional Facilities

The Industrial Technology Department continues to receive equipment and financial support from a number of California-based industries. Facilities supported include the computer-aided design (CAD) lab, digital and analog electronics lab, hydraulics lab, process control/programmable logic controller lab, materials and fuels testing lab, robotics/computer numerical control (CNC)/computer integrated manufacturing (CIM) lab, motors and controls lab, and computer network lab.