

# Industrial, Manufacturing and Systems Engineering

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The Industrial, Manufacturing and Systems Engineering Department offers a Master of Science with majors in Industrial Engineering, Manufacturing Engineering, and Systems Engineering. Courses of study in the Industrial Engineering major include quality engineering, computer simulation, industrial ergonomics, safety engineering, production and inventory control, and operations research. Areas of study in the Manufacturing Engineering major include design of manufacturing processes, analysis of discrete productions systems, precision engineering, and automation.

The Industrial and Systems Engineering Department also offers graduate certificates in International Manufacturing and a graduate certificate in Systems Engineering. Please contact the department for information on this program.

The Systems Engineering program is offered face to face and fully online.

## Admission Requirements

Students should consult the Introduction to the College of Engineering section for information on general admission requirements.

## Chair

Tzu-Liang (Bill) Tseng (<http://facultyprofile.utep.edu/default.aspx?ID=btseng>)

Contact Information: [btseng@utep.edu](mailto:btseng@utep.edu) ([mtcortez@utep.edu](mailto:mtcortez@utep.edu)); 915-747-7990

Education: BS, Tunghai University - Taiwan; MS, University of Wisconsin - Madison; MS, University of Wisconsin - Madison; Ph D, University of Iowa

## Professor

Tzu-Liang (Bill) Tseng (<http://facultyprofile.utep.edu/default.aspx?ID=btseng>)

Contact Information: [btseng@utep.edu](mailto:btseng@utep.edu); 915-747-7990

Education: BS, Tunghai University - Taiwan; MS, University of Wisconsin - Madison; MS, University of Wisconsin - Madison; Ph D, University of Iowa

## Associate Professor

Luis Contreras Sapien (<http://facultyprofile.utep.edu/default.aspx?ID=lrcontreras>)

Contact Information: [lrcontreras@utep.edu](mailto:lrcontreras@utep.edu); 915-747-7098

Education: BS, Instituto Tecnológico de Chihuahua; MS, Instituto Tecnológico y de Estudios Superiores de Monterrey; MS, Kansas State University; Ph D, Kansas State University

Arunkumar Pennathur (<http://facultyprofile.utep.edu/default.aspx?ID=apennathur>)

Contact Information: [apennathur@utep.edu](mailto:apennathur@utep.edu); 915-747-7988

Education: BS, University of Madras; MS, Bradley University; Ph D, University of Cincinnati

Priyadarshini Pennathur (<http://facultyprofile.utep.edu/default.aspx?ID=prpennathur2>)

Contact Information: [prpennathur2@utep.edu](mailto:prpennathur2@utep.edu);

Education: Ph D, University at Buffalo

Eric Smith (<http://facultyprofile.utep.edu/default.aspx?ID=esmith2>)

Contact Information: [esmith2@utep.edu](mailto:esmith2@utep.edu); 915-747-5205

Education: BS, University of Arizona; MS, University of Arizona; Ph D, University of Arizona; JD, Northwestern California University

## Assistant Professor

Amanda De Oliveira Barros (<http://facultyprofile.utep.edu/default.aspx?ID=aoliveira>)

Contact Information: [aoliveira@utep.edu](mailto:aoliveira@utep.edu);

Education: BS, Military Institute of Engineering; Ph D, Texas Tech University

Amit Lopes (<http://facultyprofile.utep.edu/default.aspx?ID=ajlopes>)

Contact Information: [ajlopes@utep.edu](mailto:ajlopes@utep.edu); 915-747-5958

Education: B.Eng., The University of Mumbai; MS, The University of Texas at El Paso; Ph D, The University of Texas at El Paso

Sergio Luna Fong (<http://facultyprofile.utep.edu/default.aspx?ID=salunafong>)

Contact Information: [salunafong@utep.edu](mailto:salunafong@utep.edu); 915-747-7450

Education: BS, The University of Texas at El Paso; MS, The University of Texas at El Paso; Ph D, Stevens Institute of Technology

Md Fashiar Rahman (<http://facultyprofile.utep.edu/default.aspx?ID=mrahman13>)

Contact Information: [mrahman13@utep.edu](mailto:mrahman13@utep.edu);

Education: BS, Khulna University of Engineering and Technology; MS, The University of Texas at El Paso; Ph D, The University of Texas at El Paso

## Programs

### Master of Science

- M.S. in Industrial Engineering (<http://catalog.utep.edu/grad/college-of-engineering/industrial-manufacturing-systems-engineering/industrial-engineering-ms/>)
- M.S. in Manufacturing Engineering (<http://catalog.utep.edu/grad/college-of-engineering/industrial-manufacturing-systems-engineering/manufacturing-engineering-ms/>)
- M.S. in Systems Engineering (<http://catalog.utep.edu/grad/college-of-engineering/industrial-manufacturing-systems-engineering/systems-engineering-ms/>) (face to face and fully online)

### Certificate

- Graduate Certificate in Smart Manufacturing (<http://catalog.utep.edu/grad/college-of-engineering/industrial-manufacturing-systems-engineering/smart-manufacturing-graduate-certificate/>)
- Graduate Certificate in Systems Engineering (<http://catalog.utep.edu/grad/college-of-engineering/industrial-manufacturing-systems-engineering/systems-engineering-graduate-certificate/>)

The University of Texas at El Paso  
College of Engineering  
Industrial, Manufacturing & Systems Engineering  
Engineering Building, Room A-130  
500 W University  
El Paso, Texas 79968

Phone: 915.747.5752  
Email: [imse@utep.edu](mailto:imse@utep.edu)  
Visit Department Website (<https://www.utep.edu/engineering/imse/>)