

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 production 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

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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/>)

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