

I'm majoring in

Industrial and Systems Engineering



DEGREES OFFERED AT UTEP

Undergraduate

- Bachelor of Science in Industrial and Systems Engineering

Master's

- Master of Science in Industrial Engineering (M.S.)
- Master of Science in Manufacturing Engineering (M.S.)
- Master of Science in Systems Engineering (M.S.)

Doctoral

- Not Offered

What can I do with this major?



- Industrial Engineer
- Manufacturing Engineer
- Process Engineer
- Quality Engineer
- Engineering Services
- Industrial Process Variable Instruments
- Search, Detection & Navigation Instrument
- Semiconductor and Related Devices
- Computers and Simulation
- Robotics and Automation

[Complete list here](#)

Internship Opportunities

UTEP Student Organizations

Professional Organizations

Online Resources

Major Related Sites

Related Occupations



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Internship Opportunities

[Raytheon Internship and Co-op Jobs](http://jobs.raytheon.com/en/search/)

<http://jobs.raytheon.com/en/search/>

[Boeing Internships](http://www.boeing.com/boeing/careers/)

<http://www.boeing.com/boeing/careers/>

[GE Internships and Co-ops](https://talent.gecareers.com/university)

<https://talent.gecareers.com/university>

[Microsoft Internships](https://careers.microsoft.com/students/us/en)

<https://careers.microsoft.com/students/us/en>

[Exxon Mobil Internships and Co-ops](http://careers.exxonmobil.com/en)

<http://careers.exxonmobil.com/en>

[Lockheed Martin Internships and Co-ops](http://search.lockheedmartinjobs.com/ListJobs/ByKeyword/internships/)

<http://search.lockheedmartinjobs.com/ListJobs/ByKeyword/internships/>

[WISE - Internship](https://wise-intern.org/)

<https://wise-intern.org/>

[Sandia National Labs](http://www.sandia.gov/careers/students_postdocs/index.html)

http://www.sandia.gov/careers/students_postdocs/index.html

[Juju: Industrial Engineering Internship Listings](http://www.job-search-engine.com/keyword/industrial-engineering-internship/)

<http://www.job-search-engine.com/keyword/industrial-engineering-internship/>

[INROADS](https://inroads.org/)

<https://inroads.org/>

[WayUp](https://www.wayup.com/member/register)

<https://www.wayup.com/member/register>



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FIND OUT ABOUT:



- Work areas
- Types of employers
- Employment information
- Strategies

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UTEP Student Organizations

Alpha Pi Mu (IE Honor Society)

<https://minetracker.utep.edu/organization/apm>

Engineers Without Borders (EWB)

<https://www.ewb-usa.org/>

Latinos in Science and Engineering (MAES) / Society of Hispanic Professional Engineers (SHPE)

<https://minetracker.utep.edu/organization/maesshpe30>

Institute of Industrial Engineers (IIE)

<https://minetracker.utep.edu/organization/iise>

Tau Beta Pi (TBP)

<https://minetracker.utep.edu/organization/TBP>

National Society of Black Engineers (NSBE)

<http://www.nsbe.org/home.aspx>

Society of Women Engineers (SWE)

<http://utep.swe.org/>



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CONNECT TO:

- World-wide internship and job listings
- Types of employers
- Employment information
- Strategies

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Online Resources

Industrial Engineering

<http://egfi-k12.org/#/cards/manufacturing>

Manufacturing Careers and Resources

<http://www.khake.com/page40.html>

All Engineering Schools

<https://www.allengineeringschools.com/engineering-careers/>

Professional Associations - Science and Engineering

<http://www.careercornerstone.org/assoc.htm>

State Divisions of Occupational Licensure

<http://www.khake.com/page5.html>

Steps to Becoming a Licensed Engineer

<https://www.asme.org/shop/courses/certification-licensure>

Structural Engineers - Societies, and Professional Boards

<http://www.senh.org/>

State Licensing Boards Engineers and Land Surveyors

<http://www.ncees.org/licensure/>

Engineering Licensing

<http://www.ncees.org/>

National Academy of Engineering

<http://www.nae.edu/>

National Science Teacher Association

<http://www.nsta.org/>

Technical Societies

<http://www.aiche.org/TechnicalSocieties/>

MIT Open Courseware

<https://ocw.mit.edu/index.htm>

FIND OUT ABOUT:

- Occupation descriptions & real-world information
- Career exploration tools & resources for veterans

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Major Related Job Sites

[Indeed: Industrial Engineer Job Listings](http://www.indeed.com/q-Industrial-engineer-jobs.html)

<http://www.indeed.com/q-Industrial-engineer-jobs.html>

[Career Builder](http://www.careerbuilder.com/jobseeker/jobs/jobresults.aspx?s_rawwords=Industr&s_freeloc=)

http://www.careerbuilder.com/jobseeker/jobs/jobresults.aspx?s_rawwords=Industr&s_freeloc=

[Monster.com](http://jobs.monster.com/search/?q=Industrial-Engineering)

<http://jobs.monster.com/search/?q=Industrial-Engineering>

[EngineeringJobs.com](http://www.engineerjobs.com/jobs/industrial-engineering/)

<http://www.engineerjobs.com/jobs/industrial-engineering/>

[Glassdoor.com](https://www.glassdoor.com/Job/industrial-engineer-jobs-SRCH_KO0,19.htm)

https://www.glassdoor.com/Job/industrial-engineer-jobs-SRCH_KO0,19.htm



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- Earnings
- Expected job prospects
- What workers do on the job
- Working conditions

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has major-specific documents like resume samples.

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Related Occupations

What Can I Do with This Major?

- Industrial Engineer
- Manufacturing Engineer
- Process Engineer
- Quality Engineer
- Schedule/Planning Engineer
- Consultant
- Logistics and Distribution
- Operations
- Guided Missiles and Space Vehicles
- Aircraft Engine and Engine Parts
- Custom Computer Programming Services
- Bare Printed Circuit Board
- Electricity & Signal Testing Instruments
- Engineering Services
- Industrial Process Variable Instruments
- Search, Detection & Navigation Instrument
- Semiconductor and Related Devices
- Computers and Simulation
- Robotics and Automation
- Materials Handling
- Management Information Systems
- Advanced Manufacturing Processes
- Facilities Layout and Location
- Artificial Intelligence
- Production and Inventory Control
- Ergonomics and Human Factors
- Operations Research
- Reliability and Maintainability
- Engineering Economic Analysis
- Transportation Systems
- Hospitals and other health-care operations
- Food processing
- Media
- Banking
- Utilities



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