

# MIT Engineering Majors Guide

## Mechanical Engineering (Course 2)

### Skill Set

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- Analyzing and interpreting data
- Solving complex problems
- Strategic thinking
- Research and design capabilities
- Applying statistical model

### Industry Occupations

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|                           |                   |                       |
|---------------------------|-------------------|-----------------------|
| Biomechanics              | Plant Engineer    | Technical Consulting  |
| Fabricated Metal Products | Design Engineer   | Construction Engineer |
| Manufacturing Manager     | Applied Mechanics | Power Plant Engineer  |
| Research and Development  | Materials Science | Robotics Developer    |

For in-depth information on Mechanical Engineering visit <http://www.careerplanit.com/resource/profile.asp> or to explore other careers, peruse the Occupational Outlook Handbook <http://stats.bls.gov:80/ocohome.htm>

### Careers of Mechanical Engineering Alumni

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- Director, Licensing & Strategic Alliances, Motorola
- Engineer, Hewlett-Packard Company
- Mechanical Design Engineer, General Electric Corporation
- President, Boston Digital Corporation
- Corporate Consultant, RH Lyon Corporation
- Manufacturing Engineer, Ford Motor Company
- First Line Supervisor, Boeing
- Lecturer, National University of Singapore
- Application Developer, Tenfold
- Consultant, McKinsey and Company
- Product Development Engineer, Hewlett Packard
- Team Leader, Johnson & Johnson
- First Year Technologist, Bankers Trust
- Area Manager, Diesel Technology
- Research and Development Engineer, Guidant
- Director, Business Planning and Development, American Skiing Group

To contact alumni in your area of interest, check out the ICAN network at <http://web.mit.edu/alum/career/ican/>

### Internships

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#### Programs at MIT

Undergraduate Practice Opportunities Program, <http://web.mit.edu/engineering/upop/>

#### Jobs and Internships During and After MIT

Monstertrak - On Campus Recruiting <http://www.monstertrak.com>

## **Companies who recruit Mechanical Engineers**

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|-------------------------------|------------------------------|-----------------------|
| Raytheon                      | Peerless Systems             | United Airlines       |
| Siemens Building Technologies | Lockheed Martin              | Eastman Kodak Company |
| Sycron                        | Dupont                       | General Motors        |
| Pratt & Whitney               | Dynamic Engineering          | Thermo King           |
| Ingersoll-Rand                | Applied Dynamics Corporation | Applied Robotics Inc. |
| 3M                            | Maxon Corporation            | Design Continuum Inc. |
| Hewlett Packard               | General Electric             |                       |

## **Career and Job Search Internet Resources**

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- The American Society of Mechanical Engineers Job Database <http://www.asme.org/jobs>
- Engineering and Manufacturing Job Openings <http://www.nationjob.com/engineering>
- Jobs for Mechanical Engineers <http://www.engcen.com/mechjobs.htm>
- Job Search For Mechanical Engineers <http://www.interec.net/jobsearch/mechanical.html>
- Pro/E Job Network - Job Seekers <http://www.pejn.com/seekers.html>
- Mechanical Engineer Jobs Employment Recruiting <http://www.mechanicalengineer.com/>
- WWW Virtual Library: Mechanical Eng. <http://CDR.stanford.edu/html/WWW-ME/home.htm>

## **Salary Information**

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MIT Salary Survey <http://web.mit.edu/career/www/salary.html>

## **Professional Associations**

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- American Society of Mechanical Engineers <http://www.asme.org/>
- MIT American Society of Mechanical Engineers (ASME) <http://web.mit.edu/asme/www>
- Pi Tau Sigma, Mechanical Engineer Honor Society <http://web.mit.edu/pts/www>
- Tau Beta Pi, Engineering Honor Society <http://web.mit.edu/tpb/www>
- Mechanical Engineering Graduate Association of Women (MEGA)
- Graduate Association of Mechanical Engineers

## **Departmental Homepage**

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MIT Department of Mechanical Engineering <http://www.me.mit.edu/>

## **Next Steps**

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Explore other career engineering majors guides located at <http://web.mit.edu/career/www/Engineering/guides.htm>.

Network with current students, alumni /nae in your area of interest.

Visit the MIT Careers Office to schedule an appointment with a counselor in the School of Engineering to discuss career choices.