

# MIT Engineering Majors Guide

## Civil and Environmental Engineering (Course 1)

### Skill Set

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- Problem formation, solving and decision making
- Engineering design and analysis.
- Construction
- Operating facilities and systems
- Project evaluation

### Industry Occupations

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Construction Management	Geotechnical Engineer	Project Engineering
Transportation Engineering	Field Engineering	Public Works Engineering
Environmental Consulting Firms	Government	Petroleum & Chemical Industry
Information Systems	Engineering Research	Design and Materials Firms
Structural Engineering	Water Resources Engineering	

### Careers of Civil and Environmental Engineering Alumni

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- Economist, U.S. Department of Transportation
- Executive Vice President, Ensol Inc.
- Director, BKP Intech, Inc
- Principal Consultant, Gurnet Technologies
- Assistant Project Manager, GZH Geoenvironmental Inc.
- Engineer, PJ Dick Inc.
- Environmental Specialist, Tepu
- Applications Developer, Ten Fold
- Director of Infrastructure Development, American Skiing Co.
- Assistant Manager, East Japan Railway Co.
- Design Engineer, EMC2
- Structural Engineer, Lemessurier Consultant
- Environmental Engineer, Metcalf & Eddy
- Environmental Engineer, Camp Dresser & Mckee

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

### Internships

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#### Programs at MIT

- CEE Internship Program <http://web.mit.edu/civenv/www/internship.html>
- 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 Civil and Environmental Majors

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GZA Geoenvironmental Inc.	Camp Dresser and McKee	Metcalf & Eddy
Simpson Gumpertz Hager	TRC Environmental	Intellisense
Schlumberger	Exxon	Pratt & Whitney
GTE Laboratories	Malcolm Pirnie	Motorolla
Intel Corporation	Tenfold	ICF Kaiser
Oracle	EMC2	ENSR
Raytheon	Microstrategy Inc	

## Career and Job Search Internet Resources

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[American Society of Civil Engineers](http://www.asce.org) <http://www.asce.org>  
[Associated Builders and Contractors \(ABC\)](http://www.abc.org) <http://www.abc.org>  
[Builders On-Line](http://www.buildingsmag.com/) <http://www.buildingsmag.com/>  
[BIX/AEC](http://www.building.org/) <http://www.building.org/>  
[Civil Engineering Jobs](http://www.civilengineeringjobs.com) <http://www.civilengineeringjobs.com>  
[Civil Net](http://www.civilnet.com) <http://www.civilnet.com>  
[Construction Web Links](http://www.constructionweblinks.com/) <http://www.constructionweblinks.com/>  
[E Jobs: Environmental Jobs and Careers](http://www.ejobs.org) <http://www.ejobs.org>  
[Engineering Companies/Consulting Firms](http://www.nwbuildnet.com/nwbn/architects/engineering.html) <http://www.nwbuildnet.com/nwbn/architects/engineering.html>  
[Engineering News Record](http://www.enr.com/) <http://www.enr.com/>  
[Environmental Career Opportunities](http://www.ecojobs.com/) <http://www.ecojobs.com/>  
[Environment Careers Organization](http://www.eco.org/) <http://www.eco.org/>  
[Environmental Careers World](http://www.environmental-jobs.com/) <http://www.environmental-jobs.com/>  
[Environmental Consulting Firms](http://www.cqs.com/econsult.htm) <http://www.cqs.com/econsult.htm>  
[Environmental Organization WebDirectory: Employment](http://www.webdirectory.com/Employment/) <http://www.webdirectory.com/Employment/>  
[Institute of Transportation Engineering](http://www.ite.org/) <http://www.ite.org/>  
[Jobs for Civil Engineers](http://www.engcen.com/civjobs.htm) <http://www.engcen.com/civjobs.htm>  
[Rocky Mountain Institute](http://www.rmi.org/) <http://www.rmi.org/>

## Salary Information

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MIT Salary Survey, <http://web.mit.edu/career/www/infostats/>

## Professional Associations

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American Society of Civil Engineers <http://www.asce.org>  
American Academy of Environmental Engineers <http://aaee.net/>  
Institute of Transportation Engineers <http://www.ite.org>  
Boston Society of Civil Engineers <http://www.bsces.org>  
MIT Civil & Environmental Engineering Student Association <http://web.mit.edu/asce/www/>

## Departmental Homepage

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MIT Department of Civil and Environmental Engineering <http://web.mit.edu/civenv/>

## Next Steps

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

**N**etwork with current students, alumni /nae in your area of interest.

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