

MIT Engineering Majors Guide

Biological Engineering (BE)

Skill Set

Biomedical Engineering

- Ability to monitor and evaluate properties of living organisms
- Ability to measure, model, and manipulate biological systems

Toxicology/Environmental Health

- Ability to monitor and evaluate properties of living organisms
- Ability to measure and manipulate biological systems

Industry Occupations

Medicine	Biotechnology	Pharmaceuticals & Molecular Therapeutics
Medical Devices	Public Health	Cell & Tissue Based Therapeutics
Medical Diagnostics	Materials & Chemicals	

For more information about Biological Engineering, visit the Biological Engineering Department webpage, <http://web.mit.edu/be/>. For more information about Bioengineering, visit the Sloan Career Cornerstone, <http://www.careercornerstone.org/bioeng/bioeng.htm>

Careers in Biomedical Engineering

- Design & manufacturing of medical devices
- Pharmaceutical process engineering
- Biomedical synthesis and characterization
- Biotechnology product development

Careers in Toxicology/Environmental Health

- Drug pharmacology and toxicology testing
- Hazardous chemical assessment
- Pathogen identification and evaluation
- Genetic analysis

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

Companies who recruit Biological Engineering Majors

Biomedical Engineering

Medtronic	Johnson & Johnson	Genzyme
Amgen	Merck	Boston Scientific
Advanced Tissue Sciences	GenVec	Becton Dickinson
SpineMedica Corp	InfraReDx, Inc.	Spectra Analysis Inc
ONI Medical Systems	Intrinsic Therapeutics	Proteus Biomedical, Inc
Rhythmia Medical	Elixir Medical Corp.	Paracor Medical
Smiths- Medical	Anpa Medical	Millennium Pharmaceuticals
Guidant Corp	AgaMatrix Inc	Genzyme Corporation
Juvenile Diabetes Research Foundation	Brigham & Women's Hospital	Bristol-Myers Squibb Co.

Novartis	Design Medical	
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Toxicology/Environmental Engineering

Pfizer	Merck	Nestle
Cargill	General Mills	Novartis
DuPont		

Other

Philips Research	DxTech	GlaxoSmithKline
Wyeth	Symyx Technologies	Stryker Corp
Abbott Laboratories	National Institutes of Health	The Clorox Company
Lawrence Berkeley National Lab	Colgate-Palmolive	Predictive Biosciences
Taconic		

Internships

Jobs and Internships During and After MIT

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

Career and Job Search Internet Resources

Bioengineering

Access Excellence, <http://www.accessexcellence.org>

Bio.Com, <http://www.bio.com>

Massachusetts Biotechnology Council, <http://www.massbio.org>

BioTactics, <http://www.biotactics.com>

BioCareer Center, <http://www.biocareer.com/>

Bio Find Jobs, <http://www.biofind.com/jobs>

Biotechfind, <http://www.biotechfind.com/>

Biotech Jobs, <http://www.medzilla.com>

Biotechnology Industry Organization, <http://www.bio.org/>

Medical Devices

Biomet, Inc., <http://www.biomet.com/>

Mass Medical Device Industry Council, <http://www.massmedic.com/>

Medical Device Link, <http://www.devicelink.com/links/>

Please visit our Biotechnology Tip Guide located at <http://web.mit.edu/career/www/guide/biotechnology.pdf>

Salary Information

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

Professional Associations

- American Association of Clinical Chemists, <http://www.aacc.org>
- American Chemical Society, <http://www.acs.org>
- American Society of Clinical Pathologists, www.ascp.org
- American Society of Microbiology, <http://www.asm.org>
- Clinical Ligand Assay Society, <http://www.clas.org>
- MIT Biomedical Engineering Society, <http://web.mit.edu/bmes/www/>

Departmental Homepage

MIT Department of Biological Engineering, <http://web.mit.edu/be/>

Next Steps

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

Network with current students, alumni/ae, and professionals in your industry.

Visit the Office of Career Services to schedule an appointment with a counselor to discuss career choices.

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