

MIT Engineering Majors Guide

Aeronautics and Astronautics Engineering

(Course 16)

Skill Set

- Analyzing data
- Solving complex problems
- Strategic thinking
- Research and design capabilities
- Strong communication skills
- Applying statistical models
- Developing solutions
- Testing ideas and theories
- Manipulating numerical data

Industry Occupations

Mathematical Modeling Analyst	Aviation Business Manager	Teleport Data Engineer
Space Radiation Analyst	Embedded Software Engineer	Consultant
Antenna Design Engineer	Quality Project Leader	Systems Engineer Specialist
Satellite Systems Engineer	Developer	Ground Systems Controller
Material Controller	Ground Station Engineer	

Careers of Aeronautics/Astronautics Alumni

- Associate, Testa Hurwitz & Thibault LLP
- Associate Professor, Northeastern University
- Structural Engineer, Stone & Webster Engineering Corporation
- Pilot, United States Air Force
- Flight Control Engineer, Aurora Flight Services
- Developer, ACI
- Senior Consultant, Tigris
- Aerodynamics Engineer, Boeing
- Controls System Engineer, Quantum
- Technical Leadership Program Manager, General Electric
- Business Analyst, McKinsey and Company
- Design and Analyst Engineer, Diamond

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

Internships

Programs at MIT

- Aeronautics and Astronautics Internship Program
<http://web.mit.edu/afs/athena.mit.edu/dept/aeroastro/www/academics/internships/index.htm>
- Massachusetts Space Grant Consortium Summer Jobs (Deadline- Friday before Thanksgiving)
<http://web.mit.edu/masgc/www/jobs.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 Aeronautics/Astronautic Majors

NASA	Canadian Space Agency	General Dynamics
AeroAstro Inc.	NAVSYS Corporation	PanAm Sat Corporation
INTELSAT	ITT Industries	GE Americom
Smithsonian Astrophysical Observatory	Global Communications Solutions Inc	ORBCOMM Global and Data Messaging
EMS Technologies	RHEA Group	Fairchild Aerospace
BF Goodrich Aerospace	Cessna	Sauer Sundstrand
Bombardier	Raytheon	Orbital Science Corporation

Career and Job Search Internet Resources

- Aerospace Jobs <http://www.aeroindustryjobs.com/>
- Allstar Network- Aeronautics Learning Laboratory for Science, Technology and Research <http://www.allstar.fiu.edu/aero/career3.htm>
- American Institute of Aeronautics and Astronautics <http://www.flight100.org/>
- Aviation and Aerospace Jobs <http://nationjob.com/aviation>
- NASA <http://www.nasa.gov>
- Smithsonian National Air and Space Museum: Air and Space Related Links <http://www.nasm.si.edu/help/links/aslinks.cfm>
- Space Careers <http://www.space-careers.com>
- Space Jobs <http://www.spacejobs.com/>
- World-Wide Web Virtual Library: Aerospace/Manufacturers <http://www.embryriddle.edu/libraries/virtual/>

Salary Information

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

Professional Associations

- American Institute of Aeronautics and Astronautics (AIAA) <http://www.aiaa.org/>
- Sigma Gamma Tau at MIT <http://web.mit.edu/sgt/www/sgt.html>
- MIT's Students for the Exploration and Development of Space <http://web.mit.edu/mitseds/www/index.html>

Departmental Homepage

MIT Department of Aeronautics and Astronautics Engineering
<http://web.mit.edu/aeroastro/www/index.html>

Next Steps

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.