

## Robert R. McComsey Career Development Center



### Careers In...Mechanical Engineering

Alfred University  
Alfred NY 14802

Phone: 607-871-2164

Fax: 607-871-2791

[www.alfred.edu/cdc](http://www.alfred.edu/cdc) - [cdc@alfred.edu](mailto:cdc@alfred.edu)

*Hours: 8:30-4:30 Monday-Friday*

*Walk-in hours: 1:00-4:30 Tues., Wed., and Thurs.*

#### The Industry

Mechanical Engineers, often called the "general practitioners" of engineering, have diverse professional choices. Because undergraduate training is broad, yet comprehensive, the mechanical engineer is in demand in many types of manufacturing, research and government organizations. S/he may be employed in the automotive, aerospace, electrical, chemical, solar, petroleum, plastics or metal-processing industries.

Due to its breadth, Mechanical Engineering is generally linked to the economy as a whole. Job prospects are relatively immune to isolated economic events such as an ailing petroleum industry. ME is an ideal education for entrance into industry, for development of one's own company, or for a variety of opportunities in educational institutions and government agencies.

#### Sample Job Titles

- Design engineer
- Test engineer
- Applications engineer
- Computer science engineer
- Materials handling engineer
- Project engineer
- Industrial engineer
- Packaging engineer
- Computer programmer
- Sales engineer
- Manufacturing engineer
- Systems analyst
- Mechanical engineer
- Aerospace engineer
- Consultant
- Machine designer

#### Our Graduates...Where Are They Now?

*Within the past few years, graduates have obtained employment as...*

Project Engineer – Hilliard Corp.

Project Manager – Micro Instruments Corp.

Project and Commissioning Engineer – Dresser Rand

Applications Engineer III – Dresser Rand

Product Engineer – Dresser Rand

Engineer I – Cooper Compression

Service Engineer – Kubota Tractor Corp.

Mechanical Engineer – Cameron Manufacturing

Mechanical Engineer – Shaw, Stone, Webster, Inc.

Mechanical Design Engineer – Gichner Shelter Systems

Manufacturing Engineer – Emerson Power Transmissions

Prototype Engineer – Borg Warner Morse Tec

Manufacturing Engineer - Vesuvius

Mechanical Engineer – Corning Inc.

**Alfred University**

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*Saxon Drive, Alfred NY 14802 (t) 607-871-2164 (f) 607-871-2791 (e) [cdc@alfred.edu](mailto:cdc@alfred.edu)*

Melt Design Engineer – Corning Inc.  
Design Engineer – Dresser Piping Spec.  
Nuclear Propulsion Officer – US Navy  
Product Design Engineer – Husky Injection Molding Systems Ltd.  
Mechanical Designer/Energy Analyst – Padia Consulting Inc.  
Manufacture Engineer – BorgWarner Morse TEC Inc.  
Design Engineer – General Electric Company  
Product Development Engineer – Chrysler Corporation  
Ceramic Engineer- PPG Industries  
Owens- Illinois- Project Engineer

**...and have attended graduate school at:**

Rensselaer Polytechnic Institute (Mechanical Engineering)  
Rensselaer at Hartford (Business/Engineering)  
Case Western Reserve University (Engineering Management)  
Alfred University (Industrial Engineering, MBA, Mechanical Engineering, Electrical Engineering)  
Binghamton University (Mechanical Engineering)  
City College of the City University of New York (Electrical Engineering)  
Clemson University (Bioengineering)  
Columbia University (Mechanical Engineering)  
University of Michigan (Bioengineering)  
University of Utah (Mechanical Engineering)  
Virginia Tech (MBA)  
West Virginia University (MBA)

***Alumni who graduated several years ago are currently employed as...***

Machine Design Engineer – AMP Incorporated  
Project Engineer – Dresser, Inc.  
Mechanical Engineer – Naval Surface Warfare Center  
Regulatory Affairs Associate – Regeneration Technologies, Inc.

**Get Experience on Campus**

Although co-ops are considered the best preparation for your job search, you can get a head start by gaining experience on campus.

- Become a laboratory or teaching assistant, or a tutor
- Get involved in undergraduate research with a faculty member or a graduate student
- Participate in the annual soapbox derby, Battlebots, Mechanical Warriors, Society of Automotive Engineers, etc.
- Consider joining national organizations such as the American Society of Mechanical Engineers, the Society of Women Engineers, and the Society of Automotive Engineers

**Where to go from here?**

- Individual career counseling for anything from choosing a major to getting a job
- Saxon JobLink web services ([www.alfred.edu/cdc](http://www.alfred.edu/cdc)) to view jobs and internships, post a resume and more
- Saxon Career Volunteer network – speak to alumni in your field
- Choices CT computerized program for searching graduate schools
- Web resources: we recommend the Alfred University Mechanical Engineering page at [http://ceps.alfred.edu/mechanical\\_engineering/careers.html](http://ceps.alfred.edu/mechanical_engineering/careers.html) or the **American Society of Mechanical Engineers** at [www.asme.org/jobs](http://www.asme.org/jobs)