

## Robert R. McComsey Career Development Center



### Careers In...Glass Engineering and Science

Alfred University  
Alfred NY 14802

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*Hours: 8:30-4:30 Monday-Friday  
Walk-in hours: 1:00-4:30 Tues., Wed., and Thurs.*

### The Industry

The Ceramic Engineering industry is broader than you might think. Ceramic engineers and scientists create and combine ceramic materials for specific needs and new applications. By manipulating different variables, ceramic materials can be developed to maximize or minimize their electrical, magnetic, and thermal properties as well as their durability. Ceramics are a low-cost, high-quality alternative for many industrial applications, creating a high demand for ceramic engineers and researchers.

### Ceramic Engineers can be found in all these industries:

- Electrification
- Automotive
- Aerospace
- Utility companies
- Electronics
- Radio and television
- Agricultural mechanization
- Computers
- Telecommunications
- Air conditioning and refrigeration
- Whitewares
- Space exploration
- Transportation/highway departments
- Internet
- Imaging
- Household appliances
- Health technologies
- Petroleum and natural gas
- Laser and fiber optics
- Nuclear technologies
- High-performance materials

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

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

Process Engineer - Motorola

Associate Development Program – Nobel Biocare Procera, Inc.

Analytical Lab Engineer – Osram Sylvania, Inc.

Bioceramics Researcher – The Weizmann Institute

Ceramic Engineer – Ernest and Julio Gallo Wines

Ceramic Service Engineer – Swindell Dressler International Company

Decoration Engineer – Buffalo China, Inc.

Glass Technologist – Corning Asahi Video Products

Process Engineer – CertainTeed, Inc.

Product Development Engineer – Blasch Precision Ceramics

Research and Development Engineer – Transelco Division of Ferro Corp.

### 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)*

Sales Application Engineer/Project Manager – Exolon  
Surface Engineer – Bausch & Lomb  
Glass Melting Engineer – Corning Inc.  
Metallurgy Technician- Adecco  
Material Scientist- GT Solar  
Application Engineer- RHI Monofrax

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

Alfred University (Ceramic Engineering; Glass Science, Biomedical Material, Mat Sci & Eng.)  
Franklin Pierce Law Center (Law)  
Georgia Tech (Materials Engineering)  
Massachusetts Institute of Technology (Materials Science and Engineering)  
Northwestern University (Materials Science and Engineering)  
The Ohio University (Materials Science and Engineering)  
University of Buffalo (MBA)  
University of California – Santa Barbara (Materials Science and Engineering)  
University of Cincinnati (Materials Science)  
University of Florida (Materials Science and Engineering)  
University of Kentucky (Biomedical Engineering)  
University of Vermont (Mechanical Engineering & Biomechanics)  
University of Wisconsin – Madison (Materials Science)  
University of Iowa (Law)

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

Executive Director of Research – Zimmer Orthopedics  
Plant Manager – Toto Industries  
President & CEO – Saint Gobain Containers  
Professor Ceramic Engineering – University of Missouri-Rolla  
Research Assistant – American Dental Association  
Senior Development Engineer – Technetics Corporation  
Senior Process Engineer – Monofrax Company  
Senior Research Scientist – E.I. DuPont de Nemeurs  
Senior Scientist – Corning Incorporated

**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 a student chapter of a professional organization such as IEEE, SWE, SME, or ASME
- Ceramic Engineering societies: ACerS, Keramos, etc.
- Participate in the annual soapbox derby, Battlebots, etc.
- Plan to attend the American Ceramic Society's annual meeting and placement center

**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 post a resume and more
- InternTrak, on CDC's website, for assistance in finding internships and co-ops
- Saxon Career Volunteer network – speak to alumni in your career field
- Choices CT computerized program for searching graduate schools
- Web resources: Whether or not you are a member of **American Ceramics Society** (ACerS), we recommend their web site at [www.ceramics.org](http://www.ceramics.org).

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