

## Robert R. McComsey Career Development Center



### Careers In...Ceramic 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

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
- Athletic equipment (bikes, golf clubs)

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

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

Senior Design Development – Osram Sylvania, Inc.

Site Ceramic Engineer – Swindell-Dressler at Corning, Inc

Ceramic Engineer – GE Global Research, Kohler Co.

Assistant Quality Manager – Owens-Illinois

Engineer – The Boeing Company

Construction Supervisor – Zampell Refractories

Ceramic Engineer: Glaze & New Product Development – Kohler Co.

Process Engineer – Guardian Industries

Firing Engineer – Corning, Inc.

Production Supervisor – Ferro

Process Development – Cree, Inc.

Manufacturing Engineer – Ferro

Engineer – Pratt & Whitney, Military Unique Materials Dept.

### 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)

Associate Design Engineer – Cooper Power Systems  
Bioceramics Researcher – The Weizmann Institute  
Glass Technologist – Corning Asahi Video Products  
Casting Call Engineer- M-Cubed Technologies, Inc.

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

Dartmouth College Thayer School of Engineering (Materials Science & Engineering)  
MIT (Materials Science & Engineering)  
Ohio State (Mat. Sci. & Engineering)  
Franklin Pierce Law Center (Law)  
Alfred University (MBA, Glass Science, Mat. Sci. & Engineering)  
Penn State University (Material Science)  
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 Cincinnati (Materials Science)  
University of Florida (Materials Science and Engineering)  
Western New England School of Law (Patent Law)  
Alfred University (Ceramic Engineering and Business Administration)

***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 Nemours  
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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