



Sloan Career Cornerstone Center

Profiles of Materials Science and Engineering Professionals



Michael Dempsey

**Ceramic Engineer
Victor Insulators, Inc.
Victor, NY**

Education:

1993 - BS in Ceramic Engineering, Rutgers University
2000 - MBA, University of Rochester

Job Description:

Research & Development

Advice to Students:

"Do whatever you can to get some practical experience. It's really hard to tell if you're even going to like the field just based upon what you're going to learn in class."

Video Transcript:

"Do whatever you can to get some practical experience. It's really hard to tell if you're even going to like the field just based upon what you're going to learn in class. At most universities, if nothing else you can work part time as a lab technician for some professor doing some research. A lot of universities have coop programs, and that's a great advantage to those universities. If you can take advantage of that kind of opportunity, you definitely should."

Interview:

- Typical Day

7:00 AM - Arrive at work, 7:30 AM, discover any items to be resolved from over the weekend or night before.

8:00 AM - Spend time batching operations, working on any problems.

9:00 AM - Go to a meeting about reject problems or a productivity issue.

10:00 AM - Do some research & development by myself or with a technician.

11:00 AM - same as above

12:00 PM - Half hour lunch.

1:00 PM - Meet with Process Engineers to update them on my projects.

2:00 PM - Do more research & development or work on processing.

3:00 PM - same as above.

4:00 PM - Leave for home.

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Prepared as part of the Sloan Career Cornerstone Center (www.careercornerstone.org)

Source: "Careers In Materials Science and Engineering" © The Minerals, Metals & Materials Society

- Career Experience

10/93-Present: Victor Insulators, Provide technical support to processes & direct ceramic related research and development.

- Honors & Awards

Certificate of Achievement -- Glaze Development

- Best Preparation

Working as a lab technician as an undergraduate. Good to work with a professor on industry research.

- Getting First Job

Mostly due to my experience with and the recommendation of the professor I did research with.

- Memberships

The American Ceramic Society, Ceramic Association of New York