



Sloan Career Cornerstone Center

Profiles of Materials Science and Engineering Professionals



Jason Belaire

**Manufacturing Engineer
Delphi Chassis Systems
Livonia, MI**

Education:

1994 - BS Materials Science & Engineering, Michigan State University
1999 - MS Industrial Systems & Manufacturing Engineering, University of Michigan

Job Description:

Research & Development

Advice to Students:

"Pay attention to the basics. There is no substitute for the basic tools of math and physics."

Video Transcript:

"I looked around at all the engineering sciences, and I chose Material Science because of the combination of all of the other engineering disciplines and all the other sciences as well. You get a little chemistry, you get a little physics, a little mechanics, and dynamics, and then a lot of straight materials classes dealing specifically with polymers, composites, and metals, and I chose to follow through with the metallurgical part of the major, and that led me to where I am today."

Interview:

- Typical Day

6:00 AM - Arrive at work. First walk through of floor operations, make sure all equipment is up & running.

7:00 AM - Fix problems found during first walk through.

8:00 AM - Morning production meeting - 1/2 hour.

9:00 AM - In the office for paperwork, answering calls.

10:00 AM - Check on the validation Lab for progress on current assignments.

11:00 AM - Lunch- Try to get out, usually can't.

12:00 PM - Back to production floor for fixing problems or on the job training with operations.

1:00 PM - Paperwork with phone calls- lots of paperwork.

2:00 PM - Afternoon production meeting for second shift.

3:00 PM - Try to wrap up any small projects, prepare to leave.

"Profiles of Materials Science and Engineering Professionals"

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

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

4:00 PM - Running or to the gym to workout
5:00 PM - TV, news, read mail, relax.
6:00 PM - Light dinner
Evening - 2 days/wk back to school from 6-9 PM.

- Career Experience

5/94-Present: Delphi Chassis Systems, Processing, tooling and validation of suspension springs.

- Internships & Coops

5/91-12/94: Lab Technician, Delphi Chassis Systems.

- Honors & Awards

Member of Alpha Sigma Mu, Order of Omega, Senior Leadership Award.

- Best Preparation

My experiences in the campus environment, and the coop assignment. I feel the best way to prepare for an engineering career is by cooping.

- Getting First Job

I was offered a position where I cooped.

- Advice

Pay attention to the basics. There is no substitute for the basic tools of math and physics.

"Profiles of Materials Science and Engineering Professionals"

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

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