



Sloan Career Cornerstone Center

Profiles of Manufacturing Engineers



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.

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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

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

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