



Sloan Career Cornerstone Center

Profiles of Materials Science and Engineering Professionals



Mietta Reeves

**Technical Leadership Program
GE90 Materials Application Engineering
General Electric Company Aircraft Engines
Madisonville, KY**

Education:

1995 - BS Materials Science & Engineering, Purdue University

Job Description:

Research & Development

Advice to Students:

"Find out about the variety of opportunities available in the field of MSE and match them with your interests to maximize your academic experience; obtain practical work experience."

Video Transcript 1:

"The product(s) that we produce at Aircraft Engines (GE) in Madisonville, KY, are the turbine blade and vanes. And those are just two separate components that go into making the engine. I'm responsible for rearranging one of our cells, and what entails is looking at a lot of different processes and see how they operate now and then trying to arrange the machinery and obtain the right number of operators to run the machinery, to reduce our cycle time and also to produce a more quality -- a higher quality product without a lot of the waste time or a lot of the different waste operations that may be currently going on today. So it's a way of improving the process that we have today by better arranging the cell and better utilizing our resources."

Video Transcript 2:

"I like to dance, I like to read, and I also like to get involved in community activities. So there are times when I have a chance to maybe take my time at lunch and go into one of the high schools and volunteer or do some tutoring there. I try to incorporate that into my assignment here."

Interview:

- Typical Day

7:00 AM - Arrive at work, check e-mail & voice mail. Review items for the day in planner.

8:00 AM - Perform failure analysis investigations, update assignment leader on project status (once every two weeks).

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9:00 AM - Review engineering drawings.
10:00 AM - Attend TLP meeting (once a month)
11:00 AM - Do phone screens of potential co-ops (once/twice a month).
12:00 PM - Lunch
1:00 PM - Finish up reports
2:00 PM - Contact students to find out how their doing
3:00 PM - Staff meeting (once every two weeks).
4:00 PM - Same as above
5:00 PM - Leave the office until tomorrow.
6:00 PM - Work-out, cook dinner, watch TV, read mail, talk to significant others, etc.
Evening - 11 PM-12 AM- prepare for bed and go to sleep.

- Career Experience

1996-Present: GE Aircraft Engines, GE90 Materials Application Engineering
1996: GE Aircraft Engines, Materials Behavior

- Internships & Coops

1992-1994: Coop, GE Aircraft Engines

- Honors & Awards

GE Fund Scholarship, AMS Scholar, NSBE Fellow Award, Union Carbide Co. Merit Award, Motorola Merit Award, Alcoa Merit Award, Optimist Club Scholarship, GE Aircraft Engines Achievement Awards (2)

- Best Preparation

My academic education at Purdue University and my coop experience with General Electric Aircraft Engines.

- Getting First Job

I received my full-time job through and interviews from the Technical Leadership Program during my fourth coop assignment with General Electric Aircraft Engines.

- Advice

Find out about the variety of opportunities available in the field of MSE and match them with your interests to maximize your academic experience; obtain practical work experience.

- Memberships

The Minerals, Metals & Materials Society

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