



# Sloan Career Cornerstone Center

## Profiles of Materials Science and Engineering Professionals



**David Chang**

**Metallurgical Engineer**  
**Precision Castparts Corporation**  
**Clackamas, OR**

### Education:

1984 - BS Metallurgical Engineering, Purdue University  
1987 - MS Metallurgical Engineering, Colorado School of Mines  
1995 - MBA, Portland State University

### Job Description:

Metallurgical Engineer

### Advice to Students:

"Talk to educators and professionals in this field to find out about the wide range of opportunities that could catch your interest."

### Video Transcript:

"Here at PCC we basically have two paths that an engineer can take. You can stay within the technical side and progress up to different levels of responsibility. I'm basically at the middle level right now -- we have five different levels. You can progress along the technical side and become a technical expert or you can jump over into a managerial role and pursue that as well."

### Interview:

#### - Typical Day

7:00 AM - Check status of various projects in manufacturing.  
8:00 AM - Daily team planning meeting.  
9:00 AM - Tackle problems raised in meetings.  
10:00 AM - Contact customers as needed, prepare.  
11:00 AM - Process instructions and interact with manufacturing personnel.  
12:00 PM - Lunch  
1:00 PM - Continue above activities.  
2:00 PM - Program Review meetings.  
3:00 PM - Plan/execute/analyze experiments  
4:00 PM - Time for developing new products.  
6:00 PM - Home to family and pets.

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Prepared as part of the Sloan Career Cornerstone Center ([www.careercornerstone.org](http://www.careercornerstone.org))

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## **- Career Experience**

1992-Present: Precision Castparts Corporation, Metallurgical Engineer

1988-1992: Precision Castparts Corporation, Foundry Engineer

1987-1988: Precision Castparts Corporation, Engineer - Intern

1984-1987: Colorado School of Mines, Graduate Research Assistant

## **- Internships & Coops**

1980-1983: Ball Corporation, Engineer-In-Training

## **- Honors & Awards**

President's Honor Award, Marjorie Goeddel Scholarship, Armco Essay Contest Co-Winner, Alpha Sigma Mu Metallurgical Honorary Society, Beta Gamma Sigma Business Honor Society

## **- Best Preparation**

My coop work experiences and graduate education.

## **- Getting First Job**

Interviewed with corporate recruiters on campus.

## **- Advice**

Talk to educators and professionals in this field to find out about the wide range of opportunities that could catch your interest.

## **- Memberships**

The Minerals, Metals & Materials Society, ASM International

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