



# Sloan Career Cornerstone Center

## Profiles of Materials Science and Engineering Professionals



**Vincent Ramirez**

**Manufacturing / Process Engineer  
Guidant / ACS (Advanced Cardiovascular Systems)  
Santa Clara, CA**

### **Education:**

BS Materials Engineering, California Polytechnic State University

### **Job Description:**

Research & Development/Production

### **Advice to Students:**

"It is important to be confident at interviews. Confidence can be achieved by practice. Don't be afraid, interview for jobs as often as you can."

### **Video Transcript:**

"We design and manufacture devices, catheters, balloon catheters and guiding catheters, and guide wires and other types of devices like that, to treat coronary artery disease. My function is to take product from the R&D phase and put it into a manufacturing status, or actually get it into a manufacturing floor, and everything that is, all the details with that, all the functions, all the things that need to take place for that to happen, are really my responsibility."

### **Interview:**

#### **- Typical Day**

7:00 AM - Wake up at 6:30 AM

8:00 AM - Arrive at work, get coffee, check messages.

9:00 AM - Meet with product team members to get up-date on tasks

10:00 AM - Meet with Lab Technician and review results of any testing performed last week.

12:00 PM - Lunch -- 4.5 mile run, shower

1:00 PM - Work on any reports or set-up

2:00 PM - New experiments that may be necessary.

3:00 PM - Meet with production supervisor to coordinate builds.

4:00 PM - Help in the lab with analyzing results of testing performed for the day.

6:00 PM - Determine status of any tasks for my project

Evening - Have dinner with my Fiancée and do some reading.

### **"Profiles of Materials Science and Engineering Professionals"**

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

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

### **- Career Experience**

1996-Present: ACS, Inc., Manufacturing/ Process Engineer

1993-1996: ACS, Inc., Manufacturing Engineer

1991-1993: ALCOA, Metallurgist

### **- Internships & Coops**

1990: Manufacturing Engineer, Advanced Cardiovascular Systems

1989: Reliability Lab Technician, Quality Analytical Services

### **- Best Preparation**

Summer internship experience.

### **- Getting First Job**

A recruiter from ALCOA came to my college. I interviewed and received an offer.

### **- Advice**

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