



# Sloan Career Cornerstone Center

## Profiles of Chemists



**Travis Willard**

**Finish Chemist  
Carpet Technology  
Solutia Inc.  
Gonzalez, FL**

### **Education:**

B.S. - Chemistry, University of West Florida

### **Job Description:**

Finish Chemist in Applied Analytical Chemistry / Colloid and Emulsion Chemistry

### **Video Transcript 1:**

"Something that is common to all fibers production is that the fibers are small, they stretch, they break, they build up static. And to overcome these different obstacles, you have to put lubrication or lubricants materials on to their fibers' surface; these lubricants can be put on in variety of ways. In the United States, the primary method is emulsion."

### **Video Transcript 2:**

"Once we develop an idea, and have an idea of the types of chemicals we want to use, we'll go into the lab and formulate these materials into an emulsion. There are several qualities about the emulsion that are needed. One, it has to be stable. It's one thing to make the emulsion in the lab, and you know, have it sit there and stays together, but its another thing to think about what goes on in the plant with that emulsion and being in large vessels going through different temperatures, and pumps and all sorts of things that really rigorously, shake up what's in there."

### **"Profiles of Chemists"**

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

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