



# Sloan Career Cornerstone Center

## Profiles of Mathematicians



**Cary Crawford**

**Project Scientist**  
**Mason & Hanger - Silas Mason Company, Inc.**  
**Amarillo, TX**

### Education:

B.S. - Mathematics, Southwestern Oklahoma State University  
M.S. - Applied Mathematics, University of Oklahoma

### Job Description:

Works in the Safeguards division; develops sampling plans for nuclear materials inventories.

### Advice to Students:

"Have an idea of where you want to go, and what you want to do and certainly make your minor or your other elective courses, geared towards that"

### Comments:

When Cary first started his job, he was surprised by the "industrial" environment of the facility, where hallways connect buildings underground and electric carts are used to go from one building to another.

### Video Transcript 1:

"I deal a lot with policy and issues. I have to negotiate with the Department of Energy. I'm also -- the buildings out here, you have to have building managers. The production buildings are facilities. They have a lot of specific criteria for nuclear facilities. I'm in an office building, but I still am building manager, so I have the little stuff -- the complaints and stuff like that to take care of. I have a lot of reports to write, negotiations to do with Albuquerque, sampling plans to set up. So my day varies greatly and it never seems to be the same thing twice."

### Video Transcript 2:

"What I would recommend to any math major is, have an idea of where you want to go, and what you want to do and certainly make your minor or your other elective courses, geared towards that. For example, I wish I had taken some physics, possibly more engineering courses, anything that would tie into math or help me to apply my math better -- I would have much rather taken those."

### "Profiles of Mathematicians"

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