Introduction Transcript

Narrator: Eli, Maddie, and Christina are undergraduate students at Spring Valley State University.

Eli is majoring in mechanical engineering, Maddie in mechanical engineering technology, and Christina in electrical engineering technology.

All three students recently completed summer internships at automotive supply companies.

Eli worked for SG Tire, a tire manufacturer, Maddie for Stall Systems, a brake manufacturing company, and Christina for SavvyDrive, a tire pressure monitoring system (TPMS) company.

As part of their experience, they enrolled in INTR 350, an internship course led by Dr. Paula Smarty, a mechanical engineering professor.

Dr. Smarty provided professional and technical guidance to the interns.

During the students' internships, their three employers kicked off a joint project to design a stateof-the-art tire and braking system for a new, all wheel drive vehicle.

The students were expected to assist engineers at their respective companies with the design and testing of the necessary components for this system.

As part of the design process, the interns had to research and apply pertinent technical standards.

The students began their work with some understanding that standards are important, but because they had not been exposed to standards before, the process quickly became overwhelming and confusing.

By the end of the project, they were able to see just how important searching and applying standards are to the engineering design process.

Dr. Smarty could see the value of what Eli, Maddie and Christina learned, so she asked them to each share something about standards with their INTR 350 classmates.

Learn about how the interns tackled the challenge of identifying and locating pertinent technical standards in these four modules:

- An Overview of Standards for Product Design Needs
- Anatomy of a Standard
- Discovering and Locating Standards
- Standards in Everyday Objects