

**National Science Foundation
Advanced Technology Education Grant**

**Developing Supply Chain Automation Technicians for an E-Commerce Marketplace
NSF Award No. 1801086**

Goal

Provide access to advanced technology education that leads to higher-level employment opportunities for traditional and nontraditional students interested in pursuing a Supply Chain Automation specialization within the Engineering Technology A.S. degree.

Objectives

1. **Develop and implement a new specialization in Supply Chain Automation** within the state's E.T. A.S. framework.
2. **Provide professional development for faculty and secondary education teachers** aimed at improving instructional practices and learning outcomes, and obtaining industry-recognized credentials.
3. Collaborate with high schools to **develop a pathway to the E.T. A.S. program and supply chain automation specialization** with evidence-based teaching and learning practices.

Promising Practices

- **Curriculum Development:** Created a new specialization for Supply Chain Automation which is new to the Florida education frameworks. This new specialization is available for all state colleges in Florida to offer.
- **Building Pathways:** Creating a Career Pathway program for high school students to earn college credits in Engineering Technology subjects.
- **Instructor Development:** Introduced two new courses that promote pedagogical practices to improve STEM development among underrepresented students.

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