

PROJECT BRIEF



Project Name: Mechatronics Engineering Track, Bachelor of Science Program

Grant Program: Legislative

Date: July 2022 - May 2025

Project Summary

Hesston College utilized program funds to support its newly launched Mechatronics Engineering course of study. Recognizing the uniqueness of the specialty within the field of engineering and the impact it has on the industry within Kansas, Hesston has established a top-tier program utilizing specialized equipment and led by a new faculty of highly skilled technical professionals that offers hands-on problem-solving, internships with local industry to complement coursework.

Goals and Objectives

Goal: To provide a top-tier, Mechatronics Engineering track within a Bachelor of Science degree that integrates mechanical, electrical, and computer engineering with hands-on experience, to credential successful students in this specialty, and meet the needs of Industry in Kansas.

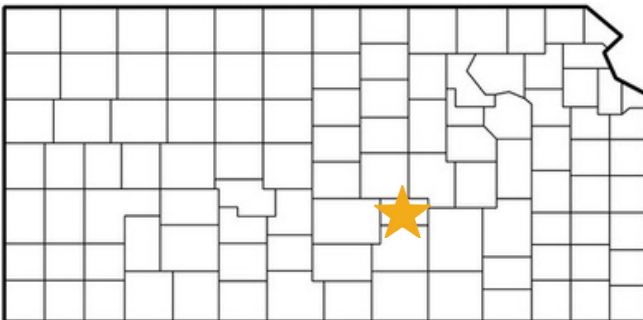
Objective: Expand specialized faculty to lead the program and mentor students

Objective 2: Provide exceptional classroom amenities including industry standard software, 3D printers, and a robotics workshop

Objective 3: Provide student support through apartment-style living for juniors and seniors in the program.

Location

Hesston College, Hesston KS



Grantee Information

Hesston is a private, Christian, liberal arts college that has focused on providing an experience of community for students with small class sizes, dedicated faculty and with real-world learning built into every stage of the academic journey.

Budget Overview

Funding	\$745K
• Department of Commerce Grant	\$ 185,165
• Grantee Match	\$ 555,496
• Other	\$ 4,420
Investment	\$745K
• Professional Salaries	\$ 350,180
• Equipment & Program Supplies	\$ 279,506
• Apartment Construction	\$ 115,395

Sustainability

Many improvements will be one-time costs, though maintenance will be an ongoing expense. Salary expenses covered through the project funding will be sustained by revenue from increased enrollment.

Outcomes

The expansion of the Mechatronics Engineering track for a Bachelor of Science degree has positioned Hesston College to provide excellent value for students and the industry by producing graduates with creative capacity across mechanical, electrical, and computer engineering.

The engineering facility at Hesston is now outfitted with state-of-the-art equipment, allowing students to start hands-on problemsolving during their first semester. The key issue of housing for junior and senior level students has been addressed, providing an expanded college community.

Target Population

This track focuses on the integration of mechanical and electrical engineering, computer science, as well as control systems to design and develop smart and automated systems. It is designed for first time students as well as professionals seeking to further their credentials.

Activities and Timeline

Q3 2022:

- New faculty members, program director and electrical engineering professor, are hired.

Q3 2022:

- Classroom furnishing purchased and specialized lab equipment orders begin

Q3 2024:

- Dormitory renovations begin to provide much needed student housing

Q2 2024:

- Lab expansion and equipment installation completed

Contact Information

For additional information, please contact

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