



EXPLORE STEM



PROGRAM HIGHLIGHTS

- Sophomore only
- Participate in projects designed to engage and challenge your engineering abilities
- Work in teams
- Test ideas using robotics, computers, prototyping
- Supportive academic courses

FACILITY AND EQUIPMENT STUDENTS WILL USE

With consideration for the growing needs of the workforce, the Explore STEM program focuses on project-based learning while students work in all of these areas: Fab Lab, Construction, Robotics, Mechanical and Computer Control Systems, Welding, Machining, Engineering, and Electrical.

PARTNERING EMPLOYERS

- NASA Plum Brook Station
- Sierra Lobo, Inc.

EXPLORE CAREER PATHS

- Computer Design Programmer
- IT Specialist
- Robotics Engineer
- Mechanical Engineer
- Research & Development
- Electrician
- Quality Tech
- Electrical Engineer
- CNC Machinist
- Welder
- Precision Metal Working
- Architect
- Project Manager
- Structural Engineer

CAPSTONE PROJECT OPPORTUNITY

Through design...engage students in personalized STEM inspired learning experiences. The Capstone Project affords students the opportunity to apply critical thinking skills while investigating a specialized area of interest. Students synthesize the teaching and learning from core courses and STEM class to solve real-world problems related to their chosen fields.