STEM State Program Area Descriptions
Engineering & Technology Pathway

Aerospace Program: The **Aerospace State Program** introduces students to the aerospace industry. Students learn foundational knowledge about subjects in aviation or aviation maintenance. This is a project-based program which focuses on the aerospace field.

Computer Science Program: The **Computer Science State Program** is an academically intense academy that engages high school students in computational thinking and prepares a computationally aware and capable workforce. Students will be able to test for college credit through AP courses and successfully transition to post-secondary.

Pre-Engineering Program: The **Pre-Engineering State Program** is an intensive academy that focuses on projects and enables the student to experience different types of engineering.   Students will be able to test for college credit through AP courses and successfully transition to postsecondary.

Robotics Engineering Program: The **Robotics Engineering State Program** introduces students to the use of robotics engineering. Students learn foundational knowledge about designing, testing, and building robots that are productive and safe to operate.   This is a project-based program which focuses on the robotics engineering field.