

2023-24

ENGINEERING & TECHNOLOGY EDUCATION

The Engineering & Technology Education Career Cluster prepares students for careers as engineers and technologists through the introduction of certain processes in mathematics, science and technology. Students learn how to apply mathematics, science and technology concepts to solve problems quantitatively in engineering projects involving design, development or production in various technologies.

SECONDARY

ENROLLMENT

48,772

Students Enrolled in High School Programs



+ 54,063

Students Enrolled in Middle School Programs



= 10,000

= 102,835

TOP CERTIFICATIONS EARNED BY K-12 STUDENTS

1ST

RECF Pre-Engineering Certification

2ND

Certified Solidworks Associate-Academic (CSWA-Academic)

3RD

RECF Robotics Certification

4TH

Engineering Core Certification

5TH

Autodesk Certified Professional in Inventor for Mechanical Design

TOP HIGH SCHOOL PROGRAMS

1. Engineering Pathways (18,219)
2. Applied Engineering Technology (7,694)
3. Applied Robotics (6,049)
4. Aerospace Technologies (4,831)
5. Communications Technology (3,019)

ARTICULATION PATHWAY TO COLLEGE

Autodesk Certified Professional - Inventor

Articulates 3 credits

Engineering Technology A.S. Degree

\$320.34 in State College Tuition Savings