



STEM Academy

Industrial Technology Pathway

This pathway is designed to prepare students in computer aided drafting, engineering, graphic designing, and construction trades.

GRADUATION REQUIREMENTS

Language Arts 4.0 credits
 Mathematics 3.0 credits
 Science 3.0 credits
 Social Studies 3.0 credits
 Physical Ed 1.5 credits
 Electives 7.5 credits

*4 yr college ready:

- 1 additional credit of math
- Minimum 2 credits of the same world language

Pathways courses (count as electives)

Computer Aided Manufacturing
 Graphic Communications
 Advanced Computer Assisted Manufacturing
 Construction
 Engineering/Architectural Drawing
 Industrial Cooperative Ed
 Photography
 Robotics I
 Graphic Communication Technology
 Robotics II
 Technical Computer Applications
 Intro to Technology
 Computer Aided Drafting & Design
 Pre-Engineering/Architectural Computer
 Aided Drafting & Design
 Research & Development in Graphic Communications

CERTIFICATE OPPORTUNITIES

Successful completion of pathway and Concurrent Enrollment courses may lead to certification. Examples of certificates are:

- Graphic Design
- Industrial Technology
- Design for Manufacturing
- Planner/Logistics

POST-SECONDARY OCCUPATIONS

Career Options	Salary Estimate	Minimum Degree Required
Drafting	\$58,000	Associate
Computer Aided Design Technician	\$48,000	Associate
Project Architect	\$73,000	Bachelor

Extended Learning and Leadership Opportunities

TSA (Technology Student Association) & FBLA (Future Business Leaders of America) student organizations. Career Explore Internships.

Early College Credit Opportunities (Concurrent Enrollment)

Below is a sampling of courses that may be taken prior to graduation:

AEC121 Construction Materials & Systems	CAD102 Computer Aided Drafting
AEC205 Applied Statistics & Strengths	CAD224 Revit Architecture
	CIS118 Intro PC Applications
	MAN117 Time Management