C⁴ Columbus Area Career Connection

PLTW Pre-Engineering Career Pathway

9th Grade
**PLTW Introduction to Engineering Design

10th Grade
**PLTW Principles of Engineering

11th Grade
**PLTW Computer Integrated Manufacturing or ** PLTW Digital Electronics

12th Grade
**PLTW Computer Integrated Manufacturing or ** PLTW Digital Electronics

Counts as Directed Electives for ALL diplomas

Additional C⁴ classes that would enhance employment
Precision Machining
CAD/CAM
Welding
Construction

Potential careers for pathway:
Entry Level High School Graduate:
- Electrical Technician
- Mechanical Drafter

Entry Level College Graduate:
- Mechanical Engineering Technician
- Mechanical Engineer
- Industrial Engineer
- Electrical Engineer
- Civil/Architectural Engineer

Experienced:
- Engineering Management

Degree Options:

Ivy Tech Community College
Associates Degrees
Industrial Technology

Purdue Polytechnic Institute
Bachelor Degree:
- Mechanical Engineering Technology
- Engineering Technology

IUPUC Bachelor Degree:
- Mechanical Engineering

Dual Credit Available – Ask about current options