## C<sup>4</sup> Columbus Area Career Connection

## **PLTW Pre-Engineering Career Pathway**

2014 average annual wage in Indiana: \$70,000 (Average based on Career Technical Education &/or AS, BS Degree)

Job Titles: Mechanical Engineer, Industrial Engineer, Electrical Engineer, Mechanical Technician, Industrial Technician. Electrical Technician

9<sup>th</sup> Grade 10<sup>th</sup> Grade 11<sup>th</sup> Grade

12<sup>th</sup> Grade

## **Dual Credits Apply To:**

Ivy Tech Community College Associates Degrees Industrial Technology

- English 9
- Algebra
- Biology
- DE
- Preparing for College & Careers
- \*PLTW Introduction to Engineering Design
- \*World Language

- English 10
- Geometry
- Chemistry
- Geography or History of the World
- \*\*PLTW Principles of Engineering
- \*World Language

- English 11
- Algebra2
- 3<sup>rd</sup> CORE 40 Science
- US History
- \*\*PLTW Computer
  Integrated Manufacturing
  Or PLTW Digital
  Electronics

  \*World Language

- English 12/CPMM 101
- Math or Quantitative Reasoning
- Government/Econ
- \*\*PLTW Engineering
  Design and Development
- \*Fine Arts

Purdue Polytechnic Institute Bachelor Degree:

Mechanical or Industrial Engineering Technology

**IUPUC Bachelor Degree:** Mechanical Engineering

CORE 40 with Honors High School Graduation Plan

\*Denotes AHD

\*\*Denotes Directed Electives THD

Additional C<sup>4</sup> classes that would enhance employment



High School Certifications Available: OSHA 10 General Industry Dual Credit Available