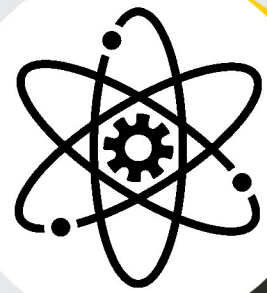


# ENGINEERING PTLW



Engineers put scientific knowledge to practical use, applying science and math to solve problems creatively. They are involved with the design, construction and operation of everything from bridges to computer chips to mountain bikes to roller coasters. In fact, without engineers, our modern way of life would not be very modern at all. Are you good at math and science? Do you look forward to these classes in school? Are you creative and imaginative? Do you like to build new things, or improve the way things work? Do you like working in teams? Why should you take Project Lead the Way (PLTW) Engineering? PLTW is centered around the idea of bringing practical applications to students while their career interests are still forming. The curricula gives a student hands-on experience applying math and science concepts to solving real-life problems. You can work toward an associate degree with the help of a \$3,000 Sinclair Tech Prep Scholarship and earn college credit in high school toward your degree. Students can take any Advanced Placement or Honors classes while taking this program!

*Source: United States Department of Labor – Bureau of Labor Statistics (accessed 12/18)  
(<https://www.bls.gov/ooh/occupation-finder.htm>)*

<b>Occupation</b>	<b>Projected Job Growth by 2026</b>	<b>Average Salary</b>
Mechanical Engineers	9%	\$85,880
Drafters	7%	\$54,170
Electrical Engineers	7%	\$97,970
Civil Engineers	11%	\$84,770

#### Suggested Semester Elective

Introduction to Engineering Design A (IED A)  
Introduction to Engineering Design B (IED B)

#### Sinclair College Credits

CAM 1107 Principles of Manufacturing – 3 Credits  
CAM 1109 Fundamentals of Tooling & Machining – 3 Credits  
EET 1120 Introduction to DC & AC Circuits – 2 Credits