



Engineering

Is this course right for you?

Do you like to problem solve working in a group setting? Would you enjoy the chance to utilize engineering design concepts to develop projects? If you answered yes, then this is the course for you.

Credits // Certification

- 4th Related Math Credit
- Visual Performing & Applied Arts Credit
- College Credit (Articulation):
Kalamazoo Valley Community College

Eligibility // Prerequisites

- none

Career Data // Jobs

**CAM programmer,
CNC programmer, electrical and
mechanical engineers,
engineering manager, program
manager, project engineer**

**For salary information go to:
<http://snipurl.com/salaryinfo>**

“The United States will have more than 1.2 million unfilled jobs in STEM-related (Science, Technology, Engineering and Mathematics) fields by 2018, yet employers may be short as many as three million high skilled workers to fill those jobs.”

- Dr. Vince Bertram, CEO & President of Project Lead the Way



Engineering Engineering, Manufacturing & Industrial Technology Pathway

ENGINEERING DESIGN:

The Engineering Design course allows students to dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. Students work individually and in teams to design solutions to a variety of problems using 3D modeling software and document their work in an engineering notebook.

PRINCIPLES OF ENGINEERING:

Through problems that engage and challenge, students explore a broad range of engineering topics including mechanisms, the strength of structures and materials, automation and robotics. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

These courses would benefit students interested in pursuing careers in engineering, manufacturing and construction trades.