



Drafting Technology

► Is this course right for you?

Do you like to design things? Would you like to see your designs come to life?
If you answered yes to these questions, then this is the course for you.

Credits // Certification

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

Eligibility // Prerequisites

- Sophomore, Junior or Senior

Career Data // Jobs

architect, BIM manager, biomedical engineer, CAD manager, CAD operator, civil engineer, drafter, industrial engineer, interior designer, landscape architect, mechanical engineer, project manager

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

“While I still took basic architectural drawing courses in college, I was very much ahead of the game. I found that I was able to spend more time analyzing and designing, fleshing out ideas quickly, rather than putting my effort into learning programs like AutoCAD, which I already knew because of my background in Kalamazoo Central’s drafting courses.”

- Hannah Dewhirst, Kalamazoo Central High School Alumna, University of Michigan, Taubman College of Architecture and Urban Planning



Drafting Technology Engineering, Manufacturing & Industrial Technology Pathway

This program teaches CAD (Computer-Aided Drafting) and students develop specific skills to help prepare them for the world of work or post-secondary education. Students will use high-tech software to create their own designs. Students may choose either architectural drafting or mechanical drafting (pre-engineering).

Architectural Drafting

Using a hands-on approach, students are given the opportunity to use their creativity and imagination to design residential and commercial structures. Exercises include hand and CAD 2D and 3D drafting to design residential and commercial building floor plans, sections and elevations which are typical to those used by contractors. Green Architecture, design concepts, and professional vocabulary will be emphasized. Students may take this course for three years.

Mechanical Drafting

Use of standard drafting technique will be developed; geometrical construction, orthographic projection, auxiliary views, section views, and dimensioning practices will be emphasized. Students will focus on design and assembly of 3D parametric models, assembling parts together, creating 2D working drawings and adding animation to their assemblies. Designs will come to life using the 3D prototype machine, CNC router and laser cutter with students learning basic machining operations. Students may take this course for two years.