



School District of Marshfield Course Syllabus

Course Name: DC Introduction to AutoCAD PS

Length of Course: Semester

Credit: 1/2 Credit

Program Goal:

Empower learners to be college and career ready through standards-based experiences in the classroom and career-based learning experiences with business and industry partners.

Learners will engage through technology in design, building, problem-solving, repair or service, in a collaborative environment through theory and hands-on experiences.

Course Description:

Learners will develop practical approaches to constructing basic 2D drawings in AutoCAD software by drawing, modifying, and assigning appropriate later properties. Learners will also analyze length and area of shapes drawn in AutoCAD, summarize details through dimensions and annotations added to the drawings, and format the drawings for printing. This course is recommended for any motivated student interested in careers in engineering and those who are interested in going into the trades and want a better understanding of print reading.

MSTC Course Title: Intro to AutoCAD
Course Number: MSTC 10-623-106
Total Credits: 1

Technical College Learning Outcome and Competencies:

Course Competencies

- Manage graphic, data, and text files using directory standards
- Assemble schematic drawings in AutoCAD using blocks
- Create simple 2D drawings in AutoCAD using draw and modify tools
- Develop layer strategies to organize drawing elements and improve appearance in AutoCAD
- Analyze objects created in AutoCAD
- Produce printed drawings in AutoCAD
- Produce appropriate views and projections of 3D objects
- Summarize object details using dimensions and annotations

Primary Resource(s):

Tools for Design Using AutoCAD and Autodesk Inventor
SDC Publications
ISBN: 978-1-63057-127-6
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