

INACTIVE PROGRAM

(H90) Certificate

This program is intended to prepare technicians for immediate employment by providing basic manual drafting skills and comprehensive knowledge necessary to seek employment in design-related jobs such as draftsman. In addition to technical courses, a student will become familiar with various foundation courses in mathematics and science.

Work and Employment

Drafters prepare and maintain technical drawings utilized by production and construction workers to build everything from automobiles or industrial machinery and other manufactured products, to structures, electrical systems, and piping networks. Their drawings show the technical details of the products and structures from all sides, including exact dimensions, specific materials to be used, and procedures to be followed. Many drafters now use computer-aided drafting (CAD) systems to create new drawings, but there are millions of existing manually created drawings that must be maintained for an indefinite period of time. Local industry leaders are consistently expressing the need for more drafters that are trained in manual techniques.

Special Considerations

Workers usually have the following skills and aptitudes: can sketch out details; are able to visualize objects from drawings; move hands skillfully; are detail-oriented, accurate and observant, creative, patient, systematic and neat.

Program Contacts at Sauk Valley Community College

Counseling Office, 815/835-6208;

Major Field Requirements

- Electives 3 Semester hour(s)

- DFT 104 - Basic Technical Drawing 2 to 4 Semester hour(s)
- DFT 106 - Advanced Technical Drawing 2 to 4 Semester hour(s)
- DFT 121 - Geometric Dimensioning and Tolerancing 2 Semester hour(s)
- IND 116 - Industrial Print Reading 3 Semester hour(s)
- MAT 106 - Applied Mathematics 3 Semester hour(s)

Total Hours Required for Certificate: 17

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