MECHANICAL DRAFTING (421)

Information provided includes course descriptions by subject only. For complete 2018-2019 programs/academic plans, please refer to Academic Programs (http://catalog.blackhawk.edu/academics)**.**

421-380
Credits: 2

This course is designed to help the student acquire the ability to visualize spatial relationships between two and three view drawings. Introduction to machine and welding terminology and concepts is acquired by reading a series of prints. A study of welding symbols is covered. The course emphasizes training in visualization and factual information as a means of gaining a working knowledge of the interpretation of prints related to the welding or fabrication industry.
Aid Code: 31 - One-year Technical Diploma.
Restrictions: Restricted to students admitted to Welding Program.
Co-requisites: 804-306
Complete Course Listing

421-385
Credits: 2

Blueprint reading is really learning a new language where much of it is presented in graphic or symbolic form. Students will learn about different types of drawings, proper drawing structure, and drawing terminology. They will learn to produce simple sketches and visualize two and three-dimensional parts. The experienced machine operator must be able to decipher blueprints in order to produce parts to proper specification.
Aid Code: 31 - One-year Technical Diploma.
Complete Course Listing

421-390 Blueprint Reading Maintenance
Credits: 3

This course focuses on reading and interpreting blueprints, drawings and graphic symbols used in industry. Students will gain experience in the ability to visualize spatial relationships between single and multiple-view drawings. Time is spent interpreting actual blueprints. Students will be able to interpret a variety of prints such as machining, mechanical, or assembly prints.
Aid Code: 31 - One-year Technical Diploma.
Restrictions: Restricted to students admitted to Industrial Mechanic Program.
Complete Course Listing