DRAFTING (DRFT)

DRFT100 Computer Assisted Drafting Survey 3 credits (3 lec hrs/wk)
Introduction to computer assisted drafting (CAD) software and its typical uses in creating 2-D drawings. Instruction will include system requirements, menu structure, drawing setup, drawing aids, basic drawing, editing, display and dimensioning. Also using blocks, graphic patterns and printing commands. AutoCAD software is utilized to produce 2-D schematic and mechanical drawings.
This course may be taken 1 time for credit.
Course classification: CTE

DRFT105 Blueprint Reading 3 credits (3 lec hrs/wk)
Presents instruction and skill development in blueprint reading and interpretation. Emphasis is placed on fundamentals of blueprint reading including understanding basic lines, views, dimensions, tolerances, symbols, machine call-outs, and notations. Emphasis is on blueprints as used in the welding trades with considerable time learning how to properly interpret American Welding Society (AWS) welding symbols.
This course may be taken 1 time for credit.
Course classification: CTE

DRFT110 Computer Assisted Drafting I 3 credits (3 lec hrs/wk)
Introduction to computer-aided drafting (CAD) software and the hardware components comprising a CAD station. Drawing set-up, drawing aides, basic drawing, editing and display commands are used to create 2-D schematic and mechanical drawings.
This course may be taken 1 time for credit.
Course classification: CTE

DRFT111 Computer Assisted Drafting II 3 credits (3 lec hrs/wk)
Prerequisite(s): (DRFT100) or (DRFT110)
Introduces advanced drawing and editing commands, concept of polylines & splines, obtaining information from the computer, basic and advanced dimensioning and dimension editing, use of tolerances and limits. Producing section views and graphic patterns, blocks for multiple use, multiview layout external references and plotting.
This course may be taken 1 time for credit.
Course classification: CTE

DRFT112 Computer Assisted Drafting III 3 credits (3 lec hrs/wk)
Covers the use of the computer to create Solid Models. Solid modeling software will be utilized to produce solid models with mass properties. Use of the solid models to produce the associative 2-D drawings, assemblies of several parts, motion associated with assemblies, and presentation files will be covered.
This course may be taken 1 time for credit.
Course classification: CTE

DRFT180 Internship: Drafting 1-12 credits (3 lab hrs/wk/cr)
Practical on-site experience that will allow students to test knowledge learned in the classroom and explore the variety of workplaces in which to apply that knowledge
This course may be taken 12 times for credit.
Course classification: LDC

DRFT280 CWE: Drafting 1-12 credits (3 lab hrs/wk/cr)
Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.
This course may be taken 12 times for credit.
Course classification: LDC