

Course Descriptions

DRAFTING

DRFT 1103 Introduction to Drafting

This is the introductory course to the Drafting and Design program. Students will study drafting occupations and employment opportunities, personal traits or skills that are important for a successful drafter, safety, basic drafting terminology, tools and equipment, and lettering. Students will learn CAD applications.

DRFT 1113 Introduction to AutoCAD

This is an introductory course with emphasis on using AutoCAD software. Areas covered include: lines, supplies and materials, computer hardware, file usage and manipulation, basic drafting techniques, mechanical drafting, specialty disciplines, plotting/printing, and advanced CAD.

DRFT 1140 Special Problems in CAD

This course is designed with flexible credit for students wanting one to three hours of credit in additional computer-aided drafting. It consists of a design project with emphasis on further 2D and/or 3D use of the computer. Prerequisite: Introduction to AutoCAD (DRFT 1113), Advanced Computer-Aided Drafting (DRFT 2103) or permission of instructor.

DRFT 1143 Technical Drafting I

This is a basic computer-aided drafting course. Areas covered include reproduction, sketching, geometric constructions, and print reading. ANSI standards are used as the basis for correct drafting practices.

DRFT 1152 Technical Drafting II

This is a continuation of Technical Drafting I. Areas covered include orthographic views, auxiliary views, tolerancing, fasteners and hardware, manufacturing processes, and development and intersections. ANSI standards are used as the basis for correct drafting practices.

DRFT 1204 Machine Drafting

This is a continuation of the study of ANSI standards. Attention is given to the construction of machine working drawings, both details and assembly. Areas covered will include dimensioning, sectional views, drawing format, reference material, layouts and working drawings, and dimensioning and tolerancing.

DRFT 2212 Technical Illustration

This is a continuation of the study of ANSI standards. Areas covered will include sketching, isometric construction, rendering pictorials, axonometrics, obliques and perspectives.

DRFT 2223 Architectural Drafting I

This is the first course in preparing an individual to become an architectural apprentice drafter. Students will begin to apply skills they have learned in the basic and technical drafting courses to residential and light commercial construction.

DRFT 2243 Architectural Drafting II

This course is a continuation of Architectural Drafting I. Students will continue to develop skills and techniques necessary to produce architectural working drawings.

DRFT 2333 3D (Three Dimensional) Modeling

This course will emphasize the construction of three dimensional drawings and designs. Areas covered will include three dimensional drawing and design, axonometrics, obliques, and perspectives.

DRFT 2433 Animation

This course teaches students to do architectural walk-throughs. Students will be provided tools to create architectural and mechanical animations.

DRFT 2453 CAD Practicum

This course is an emphasis on application of skills previously acquired in the drafting and design program. Special projects will be assigned and evaluated by the instructor.

DRFT 2463 CAD Internship

This course is an emphasis on application of skills previously acquired in the drafting and design program. A co-operative agreement between industry and education that allows students to utilize and refine skills previously learned in their educational process. All work is to be performed in accordance with industry standards and guidelines and will be supervised by industry and school representatives.

