DRAFTING AND COMPUTER DRAFTING TECHNOLOGY (2940)

2940:122 Technical Drawing II (3 Credits)
Prerequisites: 2940:121 and 2940:210. Covers dimensioning; allowances and tolerances; geometric tolerancing; threads and fasteners; descriptive geometry; intersections; developments; and computer applications. Laboratory.

2940:150 Drafting Design Problems (2 Credits)
Prerequisite: 2030:152. Introductory course in basic concepts in engineering technology computations. A study of technical terminology and applied mathematics.

2940:180 Introduction to Computer Aided Drafting (1 Credit)
Drafting techniques using AutoCAD. Topics include drawing, editing, dimensioning, plotting, layers and text. Credit not applicable toward the AAS in Drafting and Computer Aided Drafting Technology. Laboratory.

2940:200 Advanced Drafting (3 Credits)
Prerequisite: 2940:122. Principles of descriptive geometry applied to practical problems pertaining to the civil and mechanical fields of technology. Laboratory.

2940:230 Mechanical Systems Drafting (3 Credits)
Prerequisite: 2940:122. Drawing fundamentals and terminology of welding, gears, cams, piping, sheet metal, and fluid power drawings. Laboratory.

2940:240 Electrical & Electronic Drafting (3 Credits)
Corequisite: 2940:122. Drafting fundamentals, terms, and symbols required for electrical, electronics, and instrumentation drawings. Included are interconnecting diagrams, PC boards, and architectural and industrial plans. Laboratory.

2940:245 Structural Drafting (2 Credits)
Prerequisites: 2920:121 and 2940:210. Duties of the structural draftsman in preparation of detailed working drawings for steel and concrete. Emphasis on portrayal, dimensions, and notes on a working drawing. Laboratory.

2940:250 Architectural Drafting (3 Credits)
Prerequisite: 2920:121. Drawing fundamentals, terminology, and symbols for developing a set of basic construction plans and details. Included also are presentation drawings and interior and exterior planning. Laboratory.

2940:260 Drafting Technology Project (3 Credits)
Prerequisite: Completion of 20 credits of 2940. Provides opportunity to research and develop a specific drafting project within chosen field of interest.

2940:290 Special Topics: Drafting Technology (1-3 Credits)
(May be repeated for a total of three credits) Prerequisite: Permission. Selected topics on subject areas of interest in drafting technology.