DRAFTING & COMP DRAFTING TECHNOLOGY (2940)

2940:122. Technical Drawing II. (3 Credits)
Prerequisite: 2940:121, 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)
Prerequisite: 2920:121, 2940:210 or equivalent. 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 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.