

## INDUSTRIAL/TECHNOLOGY EDUCATION COURSES

**Building Construction Technology 1, 2** The purpose of this program is to prepare students for employment as maintenance repairers, building maintenance workers or project crew workers. The content includes but is not limited to basic carpentry, electrical, plumbing, air conditioning, and masonry practices. **Prerequisite:** Must be taken in order.

**Mechanical Drafting & Design Technology 1 (Drafting 1)** (Year, 1 credit)

This interactive hands-on course introduces the student to the fundamentals of drafting technology while exploring the world of work in the broad fields of engineering and architectural drafting. Students will develop drafting board skills, apply design layout techniques, produce basic technical drawings, and explore computer applications.

**Architectural Drafting & Design Technology 2, 3 (Drafting 2, 3)** (Year, 1 credit)

These courses advance the study of architectural drafting with emphasis in architectural design and production drawings. Students are introduced to AutoCAD computer aided drafting and study basic floor plan concepts, design fundamentals, construction details and sectional drawings then produce a set of working architectural drawings and models. Software applications, troubleshooting and repair of computer technology in the drafting office are examined and reinforced. Students who complete the drafting program may be eligible for a Gold Seal Scholarship.