



TECHNOLOGY EDUCATION

DRAFTING/ILLUSTRATIVE DESIGN TECHNOLOGY 1 (TP)

9260/86008100 Credit 1 9-11

This course is the first of three courses required to complete the program which must be taken sequentially. This course provides the study of freehand sketching, orthographic projection, dimensioning, geometric construction, technical drafting, and pictorial drawing. Additionally this course provides an introduction of 3D solid modeling, civil and architectural drafting using AutoCAD. The complete program consists of Drafting/Illustrative Design Technology 2(9261) and Drafting/Illustrative Design Technology 3 (9262).

PREREQUISITE: None

(TP) indicates a course leading to a Tech Prep area of study

Special Note: FB/Gold Seal only

DRAFTING/ILLUSTRATIVE DESIGN TECHNOLOGY 2 (TP)

9261/86008200 Credit 1 10-12

This course is the second of three courses required to complete the program which must be taken sequentially. This course provides for the study of technical illustration and/or architectural drawing, engineering drawing and computer assisted drafting.

PREREQUISITE: Drafting/Illustrative Design Technology 1 or selected seniors. Teacher approval required

(TP) indicates a course leading to a Tech Prep area of study

DRAFTING/ILLUSTRATIVE DESIGN TECHNOLOGY 3 (TP)

9262/86008300 Credit 1 11-12

This course is the third of three courses required to complete the program which must be taken sequentially. This course provides for the advanced individual study related to drafting, utilizing skills from Drafting/Illustrative Design Technology I and Drafting/Illustrative Design Technology II.

PREREQUISITE: Drafting/Illustrative Design Technology II. Teacher approval required

(TP) indicates a course leading to a Tech Prep area of study

ENGINEERING TECHNOLOGY 1 (TP)

9429/86005700 Credit 1 9-11

This course is the first of three courses required to complete the program which must be taken sequentially. This course is the study of many different types of engineering and provides hands-on activities in engineering and it's effect on our lives. The students will work in design teams and will use 3D solid modeling software (Rhino and Solidworks), CAD and CNC equipment. After completing the course, students will be able to make an informed choice about possible future engineering

careers. The complete program consists of Engineering Technology 2 (9426) and Engineering Technology 3 (9443).

PREREQUISITE: None

(TP) indicates a course leading to a Tech Prep area of study

ENGINEERING TECHNOLOGY 2 (TP)

9426/86006700 Credit 1 10-12

This course is the second of three courses required to complete the program which must be taken sequentially. This course provides the study of the applications of engineering and it's effect upon our lives and the choosing of an occupation.

PREREQUISITE: ENGINEERING TECHNOLOGY 1 or selected seniors. Teacher approval required

(TP) indicates a course leading to a Tech Prep area of study

ENGINEERING TECHNOLOGY 3 (TP)

9443/86017700 Credit 1 11-12

This course is the third of three courses required to complete the program which must be taken sequentially. This course provides for the advanced individual study related to engineering, utilizing skills from ENGINEERING TECHNOLOGY 1 and ENGINEERING TECHNOLOGY 2.

PREREQUISITE: Engineering Technology 2. Teacher approval required

(TP) indicates a course leading to a Tech Prep area of study

MATERIALS AND PROCESSES (SHOP) 1 (TP)

9265/86011100 Credit 1 9-11

This the first of three courses which must be taken sequentially to complete the program. The purpose of this course is to provide students with a foundation of knowledge and technically oriented experience in the study of the technology of materials and processes. While operating tools and machines students will work with a variety of materials including wood, plastic, metal composite and other material. Business ownership and operation, safety and leadership skills are also included in this activity filled program. Complete program consists of Materials and Processes Technology 1 (9265), Materials and Processes Technology 2 (9266) and Materials and Processes 3 (9267).

PREREQUISITE: None

(TP) indicates a course leading to a Tech Prep area of study

MATERIALS AND PROCESSES (SHOP) 2 (TP)

9266/86011200 Credit 1 10-12

This is the second of three courses which must be taken sequentially to complete the program. This course provides advanced study related to selected industrial materials and processes. Skills acquired in the basic course are expanded through computer interaction and increasingly complex project. Complete program consists of Materials and Processes Technology 1 (9265), Materials and Processes Technology 2 (9266) and Materials and Processes 3 (9267).

PREREQUISITE: Materials and Processes Technology 1 (9265). (TP) indicates a course leading to a Tech Prep area of study.

MATERIALS AND PROCESSES (SHOP) 3 (TP)

9267/86011300 Credit 1 11-12

This is the third of three courses which must be taken sequentially to complete the program. This course provides

advanced study related to selected industrial materials and processes. In addition to improving skills acquired in the basic course and intermediate levels, students design and conduct research and experimentation projects, perform materials testing and apply problem solving processes to various projects. Complete program consists of Materials and Processes Technology 1 (9265), Materials and Processes Technology 2 (9266) and Materials and Processes 3 (9267).

PREREQUISITE: Materials and Processes Technology 2 (9266). (TP) indicates a course leading to a Tech Prep area of study.
