

# Drafting and Design Technology (DDT)

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## **DDT 1000      Fundamentals for the Drafting Industry      ..... 3 Credit Hours**

**Equivalent:** APD 8130 | DRT 1110

**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement into ESL 1011 or higher.

A course which introduces the student to the drafting industry. Emphasis is placed on the fundamentals so as to help students in their chosen technical program and/or for those who wish to pursue other classes in drafting and design. The course will focus on geometric construction, view interpretation, scales, orthographic and pictorial projection. The basics of dimensioning, lettering, first auxiliary, and sectional views, identification and classification of lines and planes will also be covered. Students will be required to do both freehand and instrument drawings. BILLABLE CONTACT HOURS: 3

## **DDT 1150      Descriptive Geometry      ..... 3 Credit Hours**

**Equivalent:** DRT 1160

**ESL Placement Level:** For English-as-a-Second-Language (ESL) students, placement into ESL 2510 or higher.

Descriptive geometry is a course that focuses on using orthographic projection, auxiliary views, and standard drawing conventions for the two-dimensional graphic solutions to three-dimensional spatial problems. First, second and third auxiliary views will be used for solving typical applied projection problems. Some of the topics covered will be the defining of planes, parallelism, perpendicularity, cutting planes, piercing points, and this the intersection of solids as required on layout drawings. Projection accuracy and problem solving will be stressed during the course. BILLABLE CONTACT HOURS: 3