



Computer-Aided Drafting Technology Associate of Applied Science

AAS.DFTG
2023-2024

Texas Southmost College
Division of Business, Engineering, Architecture, and Technology

This program provides training in computer drafting applications to gain proficiency in the production of construction, structural, solid modeling, and pipe drafting. Upon completion of the program, graduates are trained to be employed as drafting technicians in architectural drafting, general building construction, CAD modeling design, industrial piping, and related manufacturing industries.

Recommended Course Sequence

FIRST YEAR – FALL SEMESTER	Credits	Core/ Program
MATH 1314* College Algebra	3	Core
DFTG 1405* Introduction to Technical Drawing	4	Program
DFTG 1409* Basic Computer - Aided Drafting	4	Program
DFTG 1491* Special Topics in Drafting and Design Technology/Technician	4	Program
FIRST YEAR – SPRING SEMESTER	Credits	Core/ Program
ENGL 1301* Composition I	3	Core
DFTG 1417* Architectural Drafting - Residential	4	Program
DFTG 2421* Topographical Drafting	4	Program
DFTG 2440* Solid Modeling/Design	4	Program
SECOND YEAR – FALL SEMESTER	Credits	Core/ Program
SPCH 1315 Public Speaking OR SPCH 1318 Interpersonal Communication	3	Core
DFTG 2428* Architectural Drafting - Commercial	4	Program
ARCE 1352* Structural Drafting	3	Program
DFTG 1430* Civil Drafting I	4	Program
SECOND YEAR – SPRING SEMESTER	Credits	Core/ Program
XXXX X3XX† Social & Behavioral Sciences Elective	3	Core
XXXX X3XX† Language, Philosophy & Culture/Creative Arts Elective	3	Core
DFTG 2323* Pipe Drafting	3	Program
DFTG 2432* Advanced Computer - Aided Drafting	4	Program
DFTG 2386* Internship - Drafting and Design Technology/Technician	3	Program
Total Credit Hours for Graduation	60	

Check course core designation at the [Class Availability website](#).

This information is provided as an example only. You will develop a personalized plan with your Success Coach and faculty advisor/mentor that reflects your goals and interests. You are required to meet with an advisor each semester to ensure you are on track for graduation. This document does not contain all the information you need to stay on track for graduation.

*Grade of "C" or better is required for graduation.

†Students may take any course within this category of the TSC General Education Core Curriculum.



Program Student Learning Outcomes

Program Student Learning Outcomes (PSLO) are statements that specify what students will know, be able to do or be able to demonstrate when they have completed the program.

1. Graduates of the AAS in CADT will be able to read and create multi-view mechanical and architectural drawings compliant to industry.
2. Graduates will be able to develop two-dimensional and three-dimensional drawings using CAD software.
3. Graduates will be able to prepare detailed architectural construction drawings using computer-aided software.