Computer - Aided Drafting Technology
Associate of Applied Science

Texas Southmost College
Science Technology, Engineering & Mathematics Division

Computer – Aided Drafting drafters produce detailed drawings with exact dimensions and specifications. They translate ideas into drawings and are an integral link between an idea and the finished product. CAD students will use plans, assembly drawings, and maps from notes and sketches. Upon completion of the program, the students will be able to produce correct drawings manually or with CAD programs, complete drafting assignments with minimum supervision, and communicate effectively in order to work in drafting team assignments. Employment is available in the Architectural Engineering Construction (AEC) and Manufacturing areas.

FIRST YEAR – FALL SEMESTER   **CREDIT HOURS**
MATH 1314[+] College Algebra...3
DFTG 2421[+] Topographical Drafting..4
DFTG 1409[+] Basic Computer - Aided Drafting 4
DFTG 2417[+] Descriptive Geometry 4

FIRST YEAR – SPRING SEMESTER
ENGL 1301[+] Composition I...3
DFTG 1417[+] Architectural Drafting - Residential..4
DFTG 1405[+] Technical Drafting 4
DFTG 2440[+] Solid Modeling/Design 4

SECOND YEAR – FALL SEMESTER
DFTG 2428[+] Architectural Drafting - Commercial 4
DFTG 2432[+] Advanced Computer - Aided Drafting 4
XXXX X3XX[1] Social and Behavioral Science Elective 3
SPCH 1315 Public Speaking
SPCH 1318 or Interpersonal Communication 3

SECOND YEAR – SPRING SEMESTER
DFTG 2323[+] Pipe Drafting..3
XXXX X3XX[2] Language, Philosophy & Culture/Creative Arts Elective...3
DFTG 1491[+] Special Topics in Drafting and Design Technology/Technician..4
ARCE 1352[+] Structural Drafting 3
DFTG 2386[+] Internship - Drafting and Design Technology/Technician...3

TOTAL CREDIT HOURS FOR GRADUATION - 60

[+] Grade of "C" or better is required for graduation.
[1] Social and Behavioral Sciences Elective: Any General Education Core course that meets this category.
[2] Language, Philosophy & Culture / Creative Arts Elective: Any General Education Core course that meets these categories

TSI Requirement (Texas Success Initiative - any other state-approved test) - Student must pass all three sections of state-approved test to graduate with this degree.