

Associate of Applied Science

TEXAS SOUTHMOST COLLEGE
Science, Technology, Engineering & Mathematics Division

CAD 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, complete drafting assignments with minimum supervision, and communicate effectively in order to work in drafting team assignments. Employment is available in the AEC (Architectural Engineering Construction) and Manufacturing areas.

FIRST YEAR: FALL SEMESTER		<u>Credit Hours</u>
MATH 1314	College Algebra†	3
DFTG 1405	Technical Drafting.....	4
DFTG 1409	Basic CAD.....	4
DFTG 2440	Solid Modeling/Design.....	4
 FIRST YEAR: SPRING SEMESTER		
ENGL 1301	Composition I†.....	3
DFTG 1417	Architectural – Residential.....	4
DFTG 2421	Topographical Drafting.....	4
DFTG 2432	Advanced CAD.....	4
 SECOND YEAR: FALL SEMESTER		
DFTG 1491	Special Topics: CAD Applications.....	4
DFTG 2417	Descriptive Geometry.....	4
	Social and Behavioral Sciences Elective.....	3
SPCH 1315	Public Speaking OR SPCH 1318 Interpersonal Communication	3
 SECOND YEAR: SPRING SEMESTER		
DFTG 2323	Pipe Drafting.....	3
	Humanities/Visual and Performing Arts.....	3
DFTG 2428	Architectural – Commercial.....	4
SRVY 2348	Plane Surveying.....	3
DFTG 2386	Internship.....	3

TOTAL CREDIT HOURS FOR GRADUATION - 60

« 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.
† Grade of "C" or better is required for graduation

"C" or better is required for **all DFTG and SRVY courses**.
Social and Behavioral Science Electives: Any General Education Core course that meets these categories.