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.

MATH 1314 College Alegbra† 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	FIRST YEA	R: FALL SEMESTER <u>Credit H</u>	ours
DFTG 1405 Technical Drafting	MATH 131	College Alegbra+	3
DFTG 1409 Basic CAD	DFTG 140!	Technical Drafting	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			4
ENGL 1301 Composition I†	DFTG 2440	Solid Modeling/Design	4
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 2421 Topographical Drafting			3
DFTG 2432 Advanced CAD	DFTG 1417	Architectural – Residential	4
SECOND YEAR: FALL SEMESTER DFTG 1491 Special Topics: CAD Applications			4
DFTG 1491 Special Topics: CAD Applications	DFTG 2432	Advanced CAD	4
DFTG 2417 Descriptive Geometry	SECOND Y	EAR: FALL SEMESTER	
Social and Behavioral Sciences Elective	DFTG 149	Special Topics: CAD Applications	4
Social and Behavioral Sciences Elective	DFTG 241	Descriptive Geometry	4
SECOND YEAR: SPRING SEMESTER DFTG 2323 Pipe Drafting	Social and I	ehavioral Sciences Elective	3
DFTG 2323 Pipe Drafting	<u>SPCH 131</u>	5 Public Speaking OR SPCH 1318 Interpersonal Communication	3
Humanities/Visual and Performing Arts	SECOND Y	EAR: SPRING SEMESTER	
DFTG2428Architectural – Commercial4SRVY2348Plane Surveying3	DFTG 232	Pipe Drafting	3
DFTG2428Architectural – Commercial4SRVY2348Plane Surveying3	Humanities	Visual and Performing Arts	3
			4
<u>DFTG 2386</u> Internship	SRVY 234	8 Plane Surveying	3
	DFTG 238	6 Internship	3

TOTAL CREDIT HOURS FOR GRADUATION - 60

Social and Behavioral Science Electives: Any General Education Core course that meets these categories.

Source: Academic Advising Center Pro advising@tsc.edu Cat

Program Rev. Date:11/24/2014 Catalog Date: 8/1/2013

[«] 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

[&]quot;C" or better is required for all DFTG and SRVY courses.