

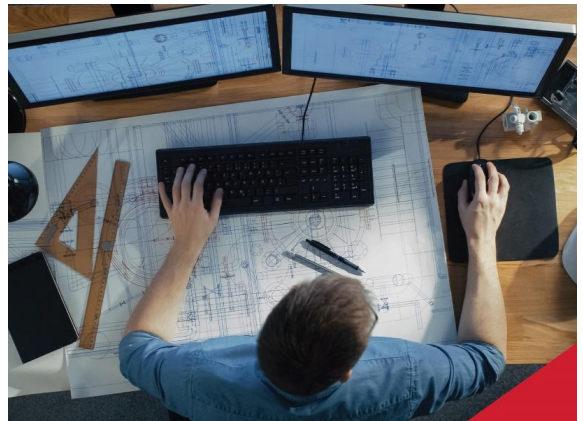
ARCHITECTURAL DESIGN & ENGINEERING GRAPHICS



PROGRAM DETAILS

In the Architectural/Civil Drafting program you will earn an Associate of Applied Science degree. You will focus on learning specific skills pertaining to architectural and civil drafting and design. From architectural to topographical 3D models for residential or commercial projects, you will be equipped to render yourself into a great career.

This PBE program is self-directed and conducted either fully online or in a blended learning environment that flips traditional lecture to online and emphasizes hands-on learning in a technical lab environment.



Architectural Design & Engineering Graphics Pathway

Course	Course Name	Credit Hours
DFTG 1309	Basic Computer Aided Drafting	3
DFTG 1345	Parametric Modeling and Design	3
ARCE 1321	Architectural Illustrations	3
DFTG 1333 (PreReq ARCE 1321)	Mechanical Drafting	3

Architectural Design & Engineering Graphics Certificate I

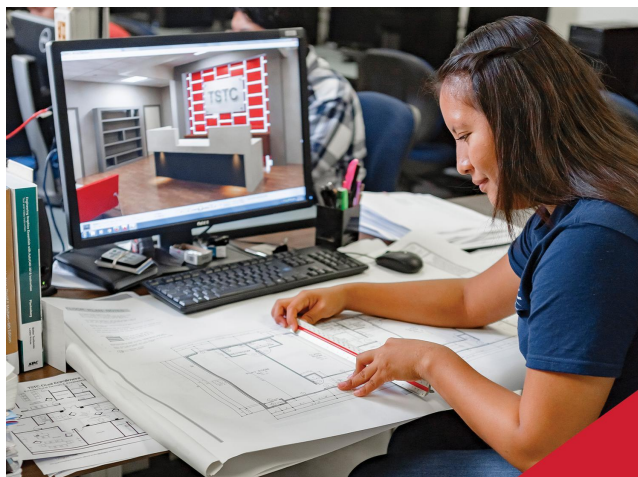
Course	Course Name	Credit Hours
DFTG 1309	Basic Computer Aided Drafting	3
DFTG 1345	Parametric Modeling and Design	3
ARCE 1321	Architectural Illustrations	3
DFTG 1333 (PreReq ARCE 1321)	Mechanical Drafting	3
SRVY 1341	Land Surveying	3
DFTG 1330	Civil Drafting I	3

Architectural/Civil Drafting Program of Study

The Architectural Design program of study explores the occupations and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study may also include exploration into collecting and interpreting geographic information, researching and preparing maps, and interior design.

TSTC AWARDS	Median Wage
Certificate I	\$8-12/Hour
Certificate II	\$12-19/Hour
Associate of Applied Science	\$16-\$20/Hour

CAREER OPPORTUNITIES



Industry-Based Certifications

- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Revit Architecture

Texas is a great place to be a drafter. The state employs the highest number of drafters in the United States. Learning these skills means you can put them to work on the job when you graduate! As a skilled drafter and designer, you will translate ideas into accurate drawings that detail size, shape, and materials through architectural, civil, and mechanical planning specifications.

Work closely with architects and engineers using computer-aided drafting to create 3D models and make a vision a reality. With some creativity and attention to detail, your training will allow you to bring concepts to life through visual renderings. Whether commercial or residential, you can help build the dream for just about anyone, including your dream job.

Architectural Design & Engineering Graphics Course Information

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
DFTG 1345 Blueprint Reading and Sketching/ Architectural Design I	13004600 (1 credit)	Algebra I and English I	None
DFTG 1309 Basic Computer Aided Drafting/ Computer Aided Drafting for Architecture	N1300429 (1 credit)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
ARCE 1321 Architectural Illustrations/ Architectural Design II	13004700 (2 credits)	Architectural Design I or Advanced Interior Design and Geometry	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
DFTG 1333 Mechanical Drafting/ Practicum in Architectural Design	13004800 (2 credits)	Architectural Design II	None
SRVY 1341 Land Surveying/ Practicum in Architectural Design	13004805 (3 credits)	Architectural Design II	None
DFTG 1330 Civil Drafting/ Practicum in Architectural Design	13004815 (3 credits)	Architectural Design II	None