# ENGINEERING GRAPHICS AND DESIGN TECHNOLOGY

**TSTC**
Texas State
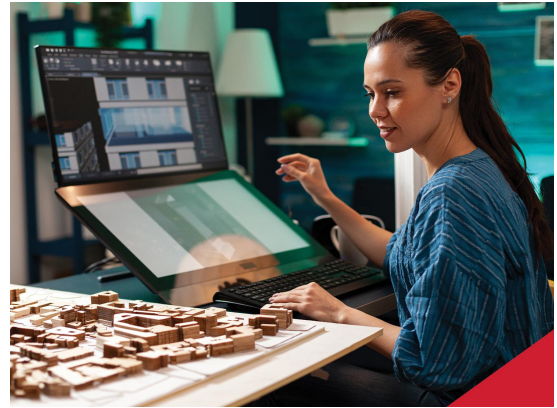Technical College™

## PROGRAM DETAILS

All websites are not created equal. With over two billion websites on the Internet, it takes a professional to create a strong and competitive website that is visually appealing and user-friendly. As a web developer, you will build a companies' online presence and help them share information, products and services across the world. This is a career that can be done remotely, working from your home office.

### Engineering Graphics and Design Technology Pathway

| Course | Course Name | Credit Hours |
|--------|-------------|--------------|
| DFTG 1309 | Basic Computer-Aided Drafting | 3 |
| DFTG 1345 | Parametric Modeling and Design | 3 |
| DFTG 1325 | Blueprint Reading and Sketching | 3 |
| DFTG 1333 | Mechanical Drafting | 3 |

### Engineering Graphics and Design Technology Certificate I

| Course | Course Name | Credit Hours |
|--------|-------------|--------------|
| DFTG 1309 | Basic Computer-Aided Drafting | 3 |
| DFTG 1345 | Parametric Modeling and Design | 3 |
| DFTG 1325 | Blueprint Reading and Sketching | 3 |
| DFTG 1333 | Mechanical Drafting | 3 |
| DFTG 1304 | or Engineering Graphics I (3 SCH Version) | 3 |
| DFTG 1329 | Electro-Mechanical Drafting | 3 |
| DFTG 2323 | Pipe Drafting | 3 |

## Engineering Graphics and Design Technology Program of Study

Web designers are tasked with understanding and creating a user's experience with websites. In this career, a web designer works on the appearance, layout and sometimes the content of websites and web applications. You'll have the world wide web at your fingertips.

| TSTC AWARDS | Median Wage |
|---|---|
| Dual Enrollment Pathway/ Occupational Service Award | $7.25-$10/Hour |
| Certificate I | $12-$15/Hour |
| Certificate II | $16-$19/Hour |
| Associate Degree | $20-$25/Hour |

## CAREER OPPORTUNITIES



In Web Design and Development, you will receive training on website production, programming, applications, and maintenance through hands-on experience, virtually. You can do this all from the comfort of your own home with our 100% online program. After graduating from TSTC, you can build even more skills and credibility in the job market by earning industry certifications.

# Engineering Graphics and Design Technology
# Course Information (PEIMS)

## Level 2

| COURSE NAME | SERVICE ID | PREREQUISITES | COREQUISITES |
|---|---|---|---|
| **DFTG 1309 Basic Computer-Aided Drafting/** Computer Aided Drafting for Architecture | N1300429 (1 credit) | None | None |
| **DFTG 1345 Parametric Modeling and Design/** Architectural Design I | 13004600 (1 credit) | Algebra I and English I | None |

## Level 3

| COURSE NAME | SERVICE ID | PREREQUISITES | COREQUISITES |
|---|---|---|---|
| **DFTG 1325 Blueprint Reading and Sketching/** 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 |