

**Computer-Aided Drafting Technology  
Associate of Applied Science**

Texas Southmost College  
Division of Science Technology, Engineering & Mathematics/  
Career & Technical Education

This program provides training in computer drafting applications to gain proficiency in the production of construction, structural, solid modeling, and pipe drafting. Upon completion of the program, graduates are trained to be employed as drafting technicians in architectural drafting, general building construction, CAD modeling design, industrial piping, and related manufacturing industries.

| <b>FIRST YEAR – FALL SEMESTER</b>  | <b>CREDIT HOURS</b> |
|--|---------------------|
| MATH 1314 <sup>+</sup> College Algebra .....   | 3                   |
| DFTG 2421 <sup>+</sup> Topographical Drafting .....                                      | 4                   |
| DFTG 1409 <sup>+</sup> Basic Computer - Aided Drafting .....                             | 4                   |
| DFTG 2417 <sup>+</sup> Descriptive Geometry .....  | 4                   |
| <br><b>FIRST YEAR – SPRING SEMESTER</b>  |                     |
| ENGL 1301 <sup>+</sup> Composition I .....   | 3                   |
| DFTG 1417 <sup>+</sup> Architectural Drafting - Residential .....                        | 4                   |
| DFTG 1405 <sup>+</sup> Technical Drafting .....  | 4                   |
| DFTG 2440 <sup>+</sup> Solid Modeling/Design .....                                       | 4                   |
| <br><b>SECOND YEAR – FALL SEMESTER</b>   |                     |
| DFTG 2428 <sup>+</sup> Architectural Drafting - Commercial .....                         | 4                   |
| DFTG 2432 <sup>+</sup> Advanced Computer - Aided Drafting .....                          | 4                   |
| XXXX X3XX <sup>1</sup> Social and Behavioral Science Elective .....                      | 3                   |
| SPCH 1315 Public Speaking  |                     |
| SPCH 1318 or Interpersonal Communication .....   | 3                   |
| <br><b>SECOND YEAR – SPRING SEMESTER</b>   |                     |
| DFTG 2323 <sup>+</sup> Pipe Drafting .....   | 3                   |
| XXXX X3XX <sup>2</sup> Language, Philosophy & Culture/Creative Arts Elective .....       | 3                   |
| DFTG 1491 <sup>+</sup> Special Topics in Drafting and Design Technology/Technician ..... | 4                   |
| ARCE 1352 <sup>+</sup> Structural Drafting .....   | 3                   |
| DFTG 2386 <sup>+</sup> Internship - Drafting and Design Technology/Technician .....      | 3                   |
| <br><b>TOTAL CREDIT HOURS FOR GRADUATION - 60</b>  |                     |

<sup>+</sup> Grade of "C" or better is required for graduation.

<sup>1</sup> Social and Behavioral Sciences Elective: Any General Education Core course that meets this category.

<sup>2</sup> Language, Philosophy & Culture / Creative Arts Elective: Any General Education Core course that meets these categories.