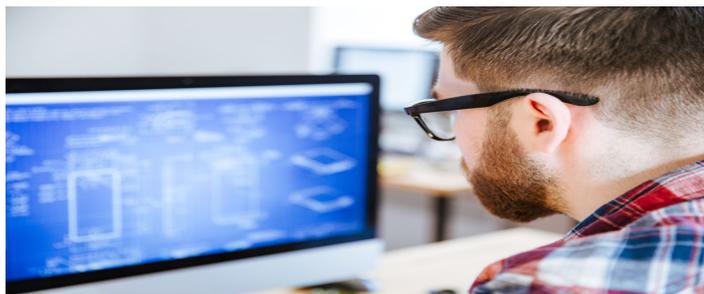


ENGINEERING DESIGN GRAPHICS PETRO/ INDUSTRIAL SPECIALTY, LEVEL 2 CERTIFICATE



Capstone Experience:¹ DFTG 2386 Internship-Drafting and Design Technology/Technician or DFTG 2338 Final Project - Advanced Drafting

¹ The course selected to satisfy the Capstone Experience (DFTG 2386 Internship-Drafting and Design Technology/Technician or DFTG 2338 Final Project - Advanced Drafting) can only be taken during or after the term in which the last required engineering design graphics courses are completed.

Courses may be applied to earn the Certificate of Technology, then the Level 2 Certificate, and finally the Associate of Applied Science (AAS) degree when the courses are in the same specialty discipline.

Courses **do not** have to be taken in this order unless a course has a prerequisite.

For more detailed information on this program, contact the Department Chair or faculty.

Plan of Study

5DFT-PI

| First Term | | Credits |
|------------------------------|---|-----------|
| DFTG 1305 | Introduction to Technical Drawing | 3 |
| DFTG 1409 | Basic Computer-Aided Drafting | 4 |
| Select one of the following: | | 3 |
| SPCH 1311 | Introduction to Speech Communication | |
| SPCH 1315 | Public Speaking | |
| SPCH 1318 | Interpersonal Communication | |
| SPCH 1321 | Business and Professional Speech | |
| Credits | | 10 |
| Second Term | | Credits |
| DFTG 2317 | Descriptive Geometry | 3 |
| DFTG 2421 | Topographic Drafting | 4 |
| DFTG 2423 | Pipe Drafting | 4 |
| Credits | | 11 |
| Third Term | | Credits |
| ARCE 1452 | Structural Drafting | 4 |
| DFTG 2407 | Electrical Drafting | 4 |
| DFTG 2445 | Advanced Pipe Drafting | 4 |
| MATH 1332 or MATH 1314 | Contemporary Mathematics (Quantitative Reasoning) or College Algebra | 3 |
| Credits | | 15 |
| Fourth Term | | Credits |
| DFTG 2408 | Instrumentation Drafting | 4 |
| DFTG 1430 | Civil Drafting I | 4 |
| DFTG 2457 | Advanced Technologies in Pipe Design and Drafting | 4 |
| DFTG 2386 or DFTG 2338 | Internship-Drafting and Design Technology/ Technician ¹ or Final Project - Advanced Drafting | 3 |
| Credits | | 15 |
| Total Credits | | 51 |