Catalog Year: 2019-20

Drafting and Design Technology

Level 1 Certificate **Manufacturing, Logistics, & Transportation Pathway**

AC Course Number	Required Course Titles	Credit Hours	Semesters Offered	Course Modalities
	FIRST YEAR			
First Semester				
☐ DFTG 1409	Basic Computer-Aided Drafting	4	F	F2F
☐ DFTG 1405	Technical Drafting	4	F	F2F
☐ DFTG 1325	Blueprint Reading and Sketching	3	F, W, Sp, Su	F2F, Hyb
☐ ENGL 1301	Composition I	3	F, W, Sp, Su	F2F, Int, Hyb
☐ STSU 0300	Student Success	0	F, W, Sp, Su	F2F, Int, Hyb
Second Semester				
☐ TECM 1301	Industrial Mathematics	3	F, W, Sp, Su	F2F, Int, Hyb
☐ DFTG 1417	Architectural Drafting – Residential	4	Sp	F2F
☐ DFTG 1433	Mechanical Drafting	4	Sp	F2F
☐ DFTG 2430	Civil Drafting	4	Sp	F2F
	TOTAL CREDIT HOURS	30		

Semesters: Fall (F), Winter (W)Spring (Sp), Summer (Su)
Modalities: Face-to-face (F2F), Internet/online (Int), Hybrid (Hyb)

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Transfer Opportunities

While most Level 1 Certificate in CAD drafting are designed to prepare students with the minimum skills needed for the workforce, graduates wanting to continuing education, can pursue a Associate's Degree in Drafting or pursue a Bachelor's of Applied Arts and Sciences Degree in a related area of study such as Industrial Technology or Interior Design. Some course credits from an associate's program may be transferable.

Career Opportunities and Salaries

Entry level CADD Operator as a:
Architectural Drafter - $41,535
Mechanical Drafter - $44,951
Civil Drafter - $41,535
Commercial Drafter - $41,535
Electronics/Electrical Drafter - $41,535

Marketable Skills

1) Work well on a team
2) Define, explain and interpret technical information
3) Use critical thinking to identify strengths and weakness to determine solutions
4) Identify appropriate information sources
5) Use math to answer questions
6) Schedule/coordinate Operations
7) Use current technology to diagnose and solve problems
8) Use Troubleshooting to determine causes and decide what to do about it
9) Think on your feet

Technical Skills

- Design plans using computer-aided design (CAD) software
- Work from rough sketches and specifications created by engineers and architects
- Design products with engineering and manufacturing techniques
- Add details to architectural plans from their knowledge of building techniques
- Specify dimensions, materials, and procedures for new products
- Work under the supervision of engineers or architects
- Decision making, Time-management, multitasking and Math skills
- Being Creativity, Detail oriented, and learning Interpersonal skills

Semesters: Fall (F), Winter (W)Spring (Sp), Summer (Su)
Modalities: Face-to-face (F2F), Internet/online (Int), Hybrid (Hyb)