



Curriculum Evaluation

Architectural & Engineering Design

Certificate of Program Completion (Catalog Year: 2019, Required Hours: 900)

Core (300 hours required)

<i>Architectural and Engineering Design (300 hours required)</i>		Hours	Modules	Prerequisite Course Number(s)
DRFT 0000	Architectural and Engineering Design Orientation	0.00	1	
DRFT 1035	Pictorial Drafting	30.00	8	
DRFT 1045	Blueprint Reading	30.00	5	
BTEC 1031	Word Processing Fundamentals	30.00	7	
BTEC 1032	Spreadsheet Fundamentals	30.00	8	
DRFT 1017	Basic Computer Aided Drafting	120.00	9	
WWSK 1400	Workplace Relations	60.00	12	

Emphasis (600 hours required)

<i>Architectural Designer (600 hours required)</i>		Hours	Modules	Prerequisite Course Number(s)
DRFT 1001	Basic Blueprint Reading for Architectural Drafting	45.00	7	
DRFT 1025	Architectural Drafting	90.00	13	
DRFT 1081	Architectural 3D Modeling and Rendering: Revit 3D	90.00	10	
DRFT 1085	Residential Architectural Drafting	90.00	14	
DRFT 1090	Building Information Modeling (BIM Management)	90.00	9	
DRFT 2315	Commercial Drafting and Detailing	90.00	6	
DRFT 2400	Design Integration with Consultants	90.00	8	
DRFT 2502	Architectural Rendering and Presentation	90.00	6	
WWSK 1500	Job Seeking Skills	30.00	6	
DRFT 2600	Portfolio Development and Presentation	30.00	4	
DRFT 2801	Special Projects	15.00	3	
DRFT 2802	Special Projects	30.00	3	
DRFT 2803	Special Projects	60.00	3	
DRFT 2804	Special Projects	90.00	3	
DRFT 2950	Architectural and Engineering Design Externship	120.00	4	

<i>Mechanical Designer (600 hours required)</i>		Hours	Modules	Prerequisite Course Number(s)
DRFT 1005	Technical Drafting	90.00	8	
DRFT 1076	3D Parametric Solid Modeling: Basic SolidWorks	90.00	11	
DRFT 1115	3D Parametric Solid Modeling: Intermediate SolidWorks	90.00	1	
DRFT 2115	3D Parametric Solid Modeling: Advanced SolidWorks	90.00	21	
DRFT 2100	3D Parametric Solid Modeling: Inventor	90.00	14	
DRFT 2125	3D Parametric Solid Modeling: Intermediate Inventor	60.00	7	
DRFT 2131	Production Drafting (GD&T)	45.00	11	
DRFT 2001	Modeling and Drafting for Composites	60.00	4	

DRFT 2006	Modeling and Drafting for Sheet Metal	60.00	6	
DRFT 2121	Machine Design	90.00	6	
WKSK 1500	Job Seeking Skills	30.00	6	
DRFT 2600	Portfolio Development and Presentation	30.00	4	
DRFT 2801	Special Projects	15.00	3	
DRFT 2802	Special Projects	30.00	3	
DRFT 2803	Special Projects	60.00	3	
DRFT 2804	Special Projects	90.00	3	
DRFT 2950	Architectural and Engineering Design Externship	120.00	4	