



Davis Applied Technology College

A UCAT Campus
 550 E 300 S, Kaysville 84037
 Phone: 593-2500



Curriculum Evaluation - Architectural and Engineering Design

DATC Certificate of Program Completion (Catalog Year: 2012, Required Hours: 1200)

Core (750 hours required)

<i>Architectural and Engineering Design (750 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
BTEC 1110	Computer Literacy	90	23	No	
DRFT 1016	Basic Computer Aided Drafting: AutoCAD 2012	90	10	No	
DRFT 1035	Pictorial Drafting	30	4	No	
DRFT 1076	3D Parametric Solid Modeling: Basic SolidWorks 2011	90	15	No	
DRFT 1005	Technical Drafting	90	7	No	
DRFT 1025	Architectural Drafting	90	7	No	
DRFT 1081	Architectural 3D Modeling and Rendering: Revit 3D 2012	90	9	No	
DRFT 1070	Applied Technical Math	90	4	Yes	FUND 1101
WKSK 1400B	Workplace Relations - Blended	60	6	No	
WKSK 1500B	Job Seeking Skills - Blended	30	5	No	

Elective (450 hours required)

<i>Architectural and Engineering Design (Architectural Designer) (0 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
DRFT 2305	Residential Architectural Drafting	90	7	Yes	DRFT 1025, DRFT 1016
DRFT 2315	Commercial Drafting and Detailing	90	5	No	
DRFT 2340	Architectural CAD	90	5	Yes	DRFT 1025, DRFT 1016
<i>Architectural and Engineering Design (Civil Designer) (0 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
DRFT 2711	Civil Drafting: Civil 3D 2012	90	1	No	
DRFT 2750	Surveying	90	3	No	
<i>Architectural and Engineering Design (Mechanical Designer) (0 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
DRFT 2100	3D Parametric Solid Modeling: Inventor 2012	90	11	Yes	DRFT 1005, DRFT 1016
DRFT 2105	3D Parametric Solid Modeling: Catia V	90	9	No	
DRFT 2115	3D Parametric Solid Modeling: Advanced SolidWorks 2011	90	18	Yes	DRFT 1005, DRFT 1016
DRFT 2110	Mechanical Drafting	60	6	Yes	DRFT 1005, DRFT 1016
DRFT 2120	Machine Design	60	2	No	
DRFT 2130	Production Drafting (GD&T)	90	11	Yes	DRFT 1005, DRFT 1015, DRFT 1075
<i>Architectural and Engineering Design (Process Pipe Designer) (0 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
DRFT 2610	Process Pipe Drafting	90	3	No	
DRFT 2620	Pipe Fabrication and Design	90	3	No	
<i>Architectural and Engineering Design (Structural Steel Designer) (0 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
DRFT 2510	Structural Steel Detailing	90	3	No	
DRFT 2520	Structural Design Applications	90	5	Yes	DRFT 2510
<i>Architectural and Engineering Design (Basic Engineering Designer) (0 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
DRFT 2200	Engineering Design	90	6	No	
DRFT 2215	Descriptive Geometry	60	4	No	
DRFT 2225	Manufacturing Processes	60	6	No	
<i>Architectural and Engineering Design (Additional Electives) (0 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
DRFT 2801	Special Projects	15	3	No	
DRFT 2802	Special Projects	30	3	No	

DRFT 2803	Special Projects	60	3	No	
DRFT 2804	Special Projects	90	3	No	
DRFT 2950	Architectural and Engineering Design Externship	120	1	No	
MACH 1080	CAD/CAM Beginning	60	11	No	
MACH 2005	Manual CNC Programming	60	6	Yes	MACH 2015
MACH 2015	Introduction to Manual CNC Programming	30	10	No	
MACH 2420	CNC Program Applications	60	6	Yes	MACH 2005
MACH 2520	CAD/CAM Intermediate	60	10	Yes	MACH 1080
MACH 2540	CAD/CAM Advanced	60	9	Yes	MACH 2520
WGDC 2610	3D Modeling and Animation II: 3D Studio Max	120	5	No	

Skill Development-Not Req (0 hours required)

<i>Architectural and Engineering Design (0 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
FUND 0050	Keyboarding Skills	90	7	No	
FUND 0065	Computer Skills	30	8	No	
FUND 0070	Spelling Skills	30	2	No	
FUND 0075	Language Skills	90	4	No	
FUND 0080	Reading Skills	90	4	No	
FUND 0085	Math Skills	60	4	No	
FUND 0090	Study Skills	30	5	No	
FUND 0091	Davis School District Technical Tutoring	250	1	No	
BTEC 1110_	Computer Literacy (Program Based)	90	23	No	
WKSJ 1400_	Workplace Relations (Program Based)	60	6	No	
WKSJ 1500_	Job Seeking Skills (Program Based)	30	5	No	