



Davis Applied Technology College

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



Curriculum Evaluation - Industrial Automation

DATC Certificate of Program Completion (Catalog Year: 2012, Required Hours: 900)

Core (720 hours required)

<i>Industrial Automation (720 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
BTEC 1110_	Computer Literacy (Program Based)	90	23	No	
IAMT 1000	Electronic Fundamentals for Industrial Automation	120	5	No	
IAMT 1100	Industrial Safety and Workplace Relations	30	2	No	
IAMT 1200	Automation Maintenance Basics	60	3	No	
IAMT 1250	Fluid Power Hydraulics	60	3	No	
IAMT 1300	Industrial Mechanics	90	4	No	
IAMT 1450	Fluid Power Pneumatics	60	1	No	
IAMT 1600	Electrical Motor Controls	120	5	No	
IAMT 2000	Programmable Logic Controllers I	90	4	Yes	IAMT 1600

Elective (180 hours required)

<i>Industrial Automation (180 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
DRFT 1045_	Blueprint Reading	30	5	No	
IAMT 1005	Renewable Energy	60	2	No	
IAMT 1500	Electric Motors/Drives	90	4	No	
IAMT 1601	Plumbing for Industrial Automation	30	3	No	
IAMT 1750	Automatic Controls Troubleshooting	60	1	No	
IAMT 1850	Electrical Equipment Basics	30	1	No	
IAMT 2030	Semiconductor Devices	120	1	No	
IAMT 2035	Digital Fundamentals	120	1	No	
IAMT 2040	AC/DC Circuits	60	1	No	
IAMT 2300	Microcontroller/Microprocessor Programming	90	1	No	
IAMT 2400	Electronics Assembly and Soldering	60	1	No	
IAMT 2410	Communication Circuits	120	1	No	
IAMT 2901	Industrial Automation Externship	30	1	No	
IAMT 2910	Final Project	90	3	No	
MACH 1740	Machining I	90	1	No	

Skill Development-Not Req (0 hours required)

<i>Industrial Automation (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	