



## Davis Applied Technology College

A UCAT Campus  
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### 2012 Industrial Automation

**Catalog Year: 2012**

The Program Materials listed below show general resources that you will need to purchase for this program. It is recommended that you wait to purchase these materials until you have received a Program Orientation (this document explains when you need the materials). You should also wait until you begin each course to purchase Course Materials. DATC instructors update curriculum throughout the year and materials and pricing may change without notice. Some textbooks, materials and supplies may be used for multiple courses and are required unless otherwise noted.

Program Materials	Optional	New	Used
No Materials Required			
Course Materials	Optional	New	Used
<i>IAMT 2040: AC/DC Circuits</i>			
Curriculum: IAMT 2040 AC/DC Circuits		\$0.60	
Material: Component Kit for DATC ELEC 1110 Kit 1		\$17.99	
<i>IAMT 1750: Automatic Controls Troubleshooting</i>			
Curriculum: IAMT 1750 Automatic Controls Troubleshooting		\$0.91	
<i>IAMT 1200: Automation Maintenance Basics</i>			
Curriculum: IAMT 1200 Automation Maintenance Basics		\$0.45	
Textbook: Green, Denis, and Jonathan F. Gosse. Industrial Maintenance. 3rd. American Technical Publishers, 2010. ISBN: 0-8269-3641-5		\$79.00	\$56.90
Workbook: ATP Staff. Industrial Maintenance Workbook. American Publishers, Inc., 2009. ISBN: 0-8269-3642-3		\$26.00	\$18.75
<i>DRFT 1045: Blueprint Reading</i>			
Curriculum: DRFT 1045 Blueprint Reading		\$0.30	
Textbook: Olivo, Thomas P. and C. Thomas Olivo. Basic Blueprint Reading and Sketching. 9th ed. Delmar Cengage Learning, 2011. ISBN 13: 978-1-4354-8378-1.		\$117.35	\$84.50
Material: Paper		\$2.99	
Material: Pencil		\$0.20	
<i>IAMT 2410: Communication Circuits</i>			
Curriculum: IAMT 2410 Communication Circuits		\$0.45	
Material: E-AK-700 Telephone Kit		\$23.69	
Material: E-FO-30K Fiber Optics Trainer Kit		\$27.60	
Material: F-LMH Fiber Optic Kit		\$82.99	
<i>BTEC 1110: Computer Literacy</i>			
Curriculum: BTEC 1110 Computer Literacy		\$1.10	
Textbook: Fehl, Alec, Judy Mardar, Sandra Rittman, Russel Stolins, and Pamela R. Toliver. Microsoft Office 2010: Essentials with 180-day Software Trial and eLab License Key. Labyrinth Learning, 2011. ISBN: 1-5913-6390-X		\$115.55	\$83.20

Material: Headphones		\$3.99	
Material: USB Backup Media (2 GB Minimum)		\$9.99	
<i>IAMT 2035: Digital Fundamentals</i>			
Curriculum: IAMT 2035 Digital Fundamentals		\$0.45	
Material: Component Kit for ELEC 1130 Digital Kit 1		\$59.99	
<i>IAMT 1500: Electric Motors/Drives</i>			
Other: No Information Available			
<i>IAMT 1850: Electrical Equipment Basics</i>			
Curriculum: IAMT 1850 Electrical Equipment Basics		\$1.01	
Workbook: Wiring Skills Lab Manual. 5th edition. Energy Concepts, Inc. 2004. ISBN: 1-5575-6021-8			
<i>IAMT 1600: Electrical Motor Controls</i>			
Curriculum: IAMT 1600 Electrical Motor Controls		\$1.51	
Textbook: Rockis, Gary J. and Gary A. Mazur. Electrical Motor Controls for Integrated Systems. 4th ed. American Technical Publishers, Inc., 2009. ISBN: 0-8269-1217-6		\$109.00	\$78.50
Workbook: Mazur, Glen. Industrial Controls. Energy Concepts, Inc. 1995. ISBN: 1-5575-6159-1		\$61.00	\$43.95
Workbook: Rockis, Gary J. and Gary A. Mazur. Electrical Motor Controls for Integrated Systems Workbook. 4th ed. American Technical Publishers, Inc., 2009. ISBN: 0-8269-1218-4		\$30.00	\$21.60
<i>IAMT 1000: Electronic Fundamentals for Industrial Automation</i>			
Curriculum: IAMT 1000 Electronic Fundamentals for Industrial Automation		\$0.90	
Material: Component Kit		\$11.69	
<i>IAMT 2400: Electronics Assembly and Soldering</i>			
Curriculum: IAMT 2400 Electronics Assembly and Soldering		\$0.40	
Textbook: Smith, H. Ted. Quality Hand Soldering and Circuit Board Repair. Thomson-Delmar, 2007. ISBN: 1-4283-2199-3		\$63.35	\$45.65
Material: AM Radio Kit: 32AMR-IC		\$27.99	
Material: Logic Probe Kit: 23ERLOG		\$14.99	
Material: Practice Kit 1: Learn to solder kit (through hole) Chaney P/N C6445		\$12.25	
Material: Practice Kit 2: Learn to solder kit (surface mount) Chaney P/N C6719		\$13.75	
<i>IAMT 2910: Final Project</i>			
Curriculum: IAMT 2910 Final Project		\$0.20	
<i>IAMT 1250: Fluid Power Hydraulics</i>			
Curriculum: IAMT 1250 Fluid Power Hydraulics		\$0.60	
<i>IAMT 1450: Fluid Power Pneumatics</i>			
Curriculum: IAMT 1450 Fluid Power Pneumatics		\$0.55	
<i>IAMT 2901: Industrial Automation Externship</i>			
No Materials Required			
<i>IAMT 1300: Industrial Mechanics</i>			
Curriculum: IAMT 1300 Industrial Mechanics		\$0.55	
Textbook: Kemp, Albert W. Industrial Mechanics. 2nd edition. American Technical Publishers, 2008. ISBN: 0-8269-3698-9		\$73.00	\$52.60

Workbook: ATP Staff. Industrial Mechanics Workbook .2nd edition. American Publishers, Inc., 2008. ISBN: 0-8269-3699-7		\$25.00	\$18.00
<i>IAMT 1100: Industrial Safety and Workplace Relations</i>			
Curriculum: IAMT 1100 Industrial Safety		\$0.30	
<i>MACH 1740: Machining I</i>			
Other: No Information Available			
<i>IAMT 2300: Microcontroller/Microprocessor Programming</i>			
Curriculum: IAMT 2300 Microcontroller/Microprocessor Programming		\$0.45	
Textbook: Antonakas, James L. The Intel Family of Microprocessors: Hardware and Software Principles and Applications. Thomson-Delmar, 2007. ISBN: 1-4180-3845-8		\$157.35	\$113.30
Material: Microcontroller Basic Stamp Kit.		\$108.65	\$78.25
<i>IAMT 1601: Plumbing for Industrial Automation</i>			
Other: No Information Available			
<i>IAMT 2000: Programmable Logic Controllers I</i>			
Curriculum: IAMT 2000 Programmable Logic Controllers		\$0.65	
Textbook: Mazur, Glen A. And Weindorf, William J. Introduction to Programmable Logic Controllers .2nd ed. American Technical Publishers. 2011. ISBN: 0-8269-1385-7		\$129.00	\$92.90
Material: GE Student Kit, GE Fanuc Automation, GFK-1843.		\$81.00	
<i>IAMT 1005: Renewable Energy</i>			
Curriculum: IAMT 1005 Renewable Energy		\$0.45	
<i>IAMT 2030: Semiconductor Devices</i>			
Curriculum: IAMT 2030 Semiconductor Devices		\$0.90	
Material: Component Kit for DATC ELEC 1110 Kit 1		\$17.99	