



Davis Applied Technology College

A UCAT Campus
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Phone: 593-2500



2012 Architectural and Engineering Design

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>WGDC 2610: 3D Modeling and Animation II: 3D Studio Max</i>			
Curriculum: WGDC 2610 3D Modeling and Animation II: 3D Studio Max		\$0.65	
Textbook: Autodesk. 3ds Max 9 Essentials: Autodesk Media and Entertainment Courseware. Focal Press, 2006. ISBN: 0-2408-0908-4			
<i>DRFT 2115: 3D Parametric Solid Modeling: Advanced SolidWorks 2011</i>			
Curriculum: DRFT 2115 3D Parametric Solid Modeling Advanced SolidWorks 2011		\$0.45	
Textbook: Tran, Paul. SolidWorks 2011 Part II Advanced Techniques. Schroff Development Corporation, 2011. ISBN: 1-5850-3625-0		\$51.70	\$37.25
<i>DRFT 1076: 3D Parametric Solid Modeling: Basic SolidWorks 2011</i>			
Curriculum: DRFT 1076 3D Parametric Solid Modeling Basic SolidWorks		\$32.35	\$23.30
Textbook: Tran, Paul SolidWorks 2011 Part 1- Basic Tools. Schroff Development Corporation, 2011. ISBN: 1-5850-3624-2		\$51.70	\$37.25
Material: USB Backup Media (2 GB Minimum)		\$9.99	
<i>DRFT 2105: 3D Parametric Solid Modeling: Catia V</i>			
Curriculum: DRFT 2105 3D Parametric Solid Modeling Catia V5		\$0.35	
Textbook: Plantenberg, Kirstie. Introduction to CATIA V5 Release 19. Schroff Development Corporation, 2009. ISBN: 1-5850-3534-3		\$49.00	\$35.30
Material: USB Backup Media (2 GB Minimum)		\$9.99	
<i>DRFT 2100: 3D Parametric Solid Modeling: Inventor 2012</i>			
Curriculum: DRFT 2100 Inventor 2012		\$0.40	
Textbook: Randy H. Shih Parametric Modeling with Autodesk Inventor 2012. Schroff Development Corporation, 2011. ISBN: 1-5850-3646-3		\$49.00	\$35.30
Material: USB Backup Media (2 GB Minimum)		\$9.99	
<i>DRFT 1070: Applied Technical Math</i>			
Curriculum: DRFT 1070 Applied Technical Math		\$0.25	
Textbook: Larkin, John C. Practical Problems in Mathematics for Drafting and CAD. 3rd ed. Thomson Delmar Learning, 2005. ISBN: 1-4018-4344-1		\$55.00	\$39.60
Material: Calculator		\$4.00	

Material: Paper		\$2.99	
Material: Pencil		\$0.20	
<i>DRFT 1081: Architectural 3D Modeling and Rendering: Revit 3D 2012</i>			
Curriculum: DRFT 1081 Architectural 3D Modeling and Rendering 2012		\$0.35	
Textbook: Stine, Daniel John. Residential Design Using Revit Architecture 2012. Schroff Development Corporation, 2010. ISBN: 1-5850-3680-3		\$49.00	\$35.30
Material: Binder: 3-Ring Binder, 2" Thick		\$8.00	\$23.30
Material: USB Backup Media (2 GB Minimum)		\$9.99	
<i>DRFT 2340: Architectural CAD</i>			
Curriculum: DRFT 2340 Architectural CAD		\$0.25	
Textbook: Jefferis, Alan, David A. Madsen and David P. Madsen. Architectural Drafting and Design. 6th ed. Delmar Cengage Learning, 2010 ISBN: 1-4354-8162-3		\$189.00	\$136.10
<i>DRFT 1025: Architectural Drafting</i>			
Curriculum: DRFT 1025 Architectural Drafting		\$0.40	
Textbook: Jefferis, Alan, David A. Madsen and David P. Madsen. Architectural Drafting and Design. 6th ed. Delmar Cengage Learning, 2010 ISBN: 1-4354-8162-3		\$189.00	\$136.10
<i>DRFT 1016: Basic Computer Aided Drafting: AutoCAD 2012</i>			
Curriculum: DRFT 1016 Basic Computer Aided Drafting AutoCad 2012		\$0.40	
Textbook: Shih, Randy. AutoCAD 2012 Tutorial - First Level: 2D Fundamentals. 9th ed. SDC Publications, 2011. ISBN: 1-5850-3637-4		\$47.70	\$34.35
Material: Binder: 3-Ring Binder, 2" Thick		\$8.00	\$23.30
Material: USB Backup Media (2 GB Minimum)		\$9.99	
<i>MACH 2540: CAD/CAM Advanced</i>			
Curriculum: MACH 2540 CAD/CAM Advanced		\$0.30	
<i>MACH 1080: CAD/CAM Beginning</i>			
Curriculum: MACH 1080 CAD/CAM Beginning		\$0.30	
Material: Software: Surfcam	X		
<i>MACH 2520: CAD/CAM Intermediate</i>			
Curriculum: MACH 2520 CAD/CAM Intermediate		\$0.35	
Material: Software: Surfcam	X		
<i>DRFT 2711: Civil Drafting: Civil 3D 2012</i>			
Other: No Information Available			
<i>MACH 2420: CNC Program Applications</i>			
Curriculum: MACH 2420 CNC Program Applications		\$0.30	
Textbook: Smid, Peter. CNC Programming Hand Book. Industrial Press, 2007. ISBN: 0-8311-3347-3		\$80.95	\$58.30
<i>DRFT 2315: Commercial Drafting and Detailing</i>			
Curriculum: DRFT 2315 Commercial Drafting and Detailing		\$0.30	
Textbook: Jefferis, Alan. Commercial Drafting and Detailing. 3rd ed. Delmar Cengage Learning, 2001. ISBN: 1-4354-2597-9		\$157.35	\$113.30
<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>DRFT 2950: Cooperative Work Experience</i>			
Other: No Material Required		\$0.00	
<i>DRFT 2215: Descriptive Geometry</i>			
Curriculum: DRFT 2215 Descriptive Geometry		\$0.30	
Textbook: Madsen, David A., Madsen, David P. and Turpin, Lee J. Engineering Drawing and Design. 4th ed. Delmar Cengage Learning, 2006 ISBN: 1-4180-2987-4		\$196.35	\$141.40
<i>DRFT 2200: Engineering Design</i>			
Curriculum: DRFT 2200 Engineering Design		\$0.35	
Textbook: Madsen, David A., Madsen, David P. and Turpin, Lee J. Engineering Drawing and Design. 4th ed. Delmar Cengage Learning, 2006 ISBN: 1-4180-2987-4		\$196.35	\$141.40
<i>MACH 2015: Introduction to Manual CNC Programming</i>			
Curriculum: MACH 2015 Introduction to CNC Programming		\$0.30	
Textbook: Smid, Peter. CNC Programming Hand Book. Industrial Press, 2007. ISBN: 0-8311-3347-3		\$80.95	\$58.30
<i>WSKS 1500: Job Seeking Skills</i>			
Curriculum: WSKS 1500 Job Seeking Skills		\$0.00	
Textbook: Hanna, Sharon L., Doug Radtke and Rose Suggett. Career by Design: Communicating Your Way to Success. 4th ed. Prentice Hall, 2008. ISBN: 0-1323-3090-3		\$57.60	\$41.50
<i>DRFT 2120: Machine Design</i>			
Curriculum: DRFT 2120 Machine Design		\$0.20	
Textbook: Giesecke, Frederick, Ivan L. Hill, Henry C. Spencer, Alva E. Mitchell, John Thomas Dygdon, James E. Novak, Shawna E. Lockhart and Marla Goodman. Technical Drawing with Engineering Graphics. 14th ed. Prentice Hall, 2011 ISBN: 0-1350-9049-0		\$139.55	\$100.50
<i>MACH 2005: Manual CNC Programming</i>			
Curriculum: MACH 2005 CNC Programming		\$0.35	
Textbook: Smid, Peter. CNC Programming Hand Book. Industrial Press, 2007. ISBN: 0-8311-3347-3		\$80.95	\$58.30
<i>DRFT 2225: Manufacturing Processes</i>			
Curriculum: DRFT 2225 Manufacturing Processes		\$0.35	
Textbook: Madsen, David A., Madsen, David P. and Turpin, Lee J. Engineering Drawing and Design. 4th ed. Delmar Cengage Learning, 2006 ISBN: 1-4180-2987-4		\$196.35	\$141.40
<i>DRFT 2110: Mechanical Drafting</i>			
Curriculum: DRFT 2110 Mechanical Drafting		\$0.35	
Textbook: Giesecke, Frederick, Ivan L. Hill, Henry C. Spencer, Alva E. Mitchell, John Thomas Dygdon, James E. Novak, Shawna E. Lockhart and Marla Goodman. Technical Drawing with Engineering Graphics. 14th ed. Prentice Hall, 2011 ISBN: 0-1350-9049-0		\$139.55	\$100.50
<i>DRFT 1035: Pictorial Drafting</i>			
Curriculum: DRFT 1035 Pictorial Drafting		\$0.30	
Textbook: Giesecke, Frederick E., Alva Mitchell, Henry C. Spencer, Ivan Leroy Hill, John Thomas Dygdon and James E. Novak. Technical Drawing. 13th ed. Prentice Hall, 2008. ISBN: 0-1351-3527-3		\$135.70	\$97.70

<i>DRFT 2620: Pipe Fabrication and Design</i>			
Curriculum: DRFT 2620 Pipe Fabrication and Design		\$0.25	
<i>DRFT 2610: Process Pipe Drafting</i>			
Curriculum: DRFT 2610 Process Pipe Drafting		\$0.30	
<i>DRFT 2130: Production Drafting (GD&T)</i>			
Curriculum: DRFT 2130 Production Drafting (GD&T)		\$0.30	
Textbook: Madsen, David A., and Madsen, David P. . Geometric Dimensioning and Tolerancing: Based on ASME Y14.5-2009 . 8th. Goodheart-Willcox Co., 2010. Print. ISBN: 1-6052-5282-7		\$67.65	\$48.75
<i>DRFT 2305: Residential Architectural Drafting</i>			
Curriculum: DRFT 2305 Residential Architectural Drafting		\$0.40	
Textbook: Jefferis, Alan, David A. Madsen and David P. Madsen. Architectural Drafting and Design. 6th ed. Delmar Cengage Learning, 2010 ISBN: 1-4354-8162-3		\$189.00	\$136.10
Textbook: Stine, Daniel John. Residential Design Using AutoCAD 2010. Schroff Development Corporation, 2009. ISBN: 1-5850-3504-1		\$49.00	
<i>DRFT 2804: Special Projects</i>			
No Materials Required			
No Materials Required			
No Materials Required			
No Materials Required			
<i>DRFT 2520: Structural Design Applications</i>			
Curriculum: DRFT 2520 Structural Design Applications		\$0.25	
Textbook: Goetsch, David L. Structural, Civil and Pipe Drafting for CAD Technicians. Delmar Cengage Learning, 2004. ISBN: 1-4018-9656-1		\$108.70	\$78.30
<i>DRFT 2510: Structural Steel Detailing</i>			
Curriculum: DRFT 2510 Structural Steel Detailing		\$0.25	
Textbook: Goetsch, David L. Structural, Civil and Pipe Drafting for CAD Technicians. Delmar Cengage Learning, 2004. ISBN: 1-4018-9656-1		\$108.70	\$78.30
<i>DRFT 2750: Surveying</i>			
Curriculum: DRFT 2750 Surveying		\$0.25	
Textbook: Goetsch, David L. Structural, Civil and Pipe Drafting for CAD Technicians. Delmar Cengage Learning, 2004. ISBN: 1-4018-9656-1		\$108.70	\$78.30
<i>DRFT 1005: Technical Drafting</i>			
Curriculum: DRFT 1005 Technical Drafting		\$0.30	
Textbook: Giesecke, Frederick E.; Hill, Ivan L.; Spencer, Henry C.; Mitchell, Alva E.; Dygdon, John Thomas; Novak, James E.; Lockhart, Shawna; and Goodman, Marla. Technical Drawing with Engineering Graphics. 14th ed. Prentice Hall. 2011 ISBN: 0-1350-9049-0		\$139.55	\$100.50
Material: Binder: 3-Ring Binder, 2" Thick		\$8.00	\$23.30
Material: USB Drive		\$9.99	
<i>WKSK 1400: Workplace Relations</i>			
Textbook: Hanna, Sharon L., Doug Radtke and Rose Suggett. Career by Design: Communicating Your Way to Success. 4th ed. Prentice Hall, 2008. ISBN: 0-1323-3090-3		\$57.60	\$41.50
Textbook: WKSK 1400 Workplace Relations		\$0.00	