

**Autumn '19 Schedule** (subject to alterations and change)

<b>Blueprint Reading &amp; Technical Drawing</b> w/ B. Sarchet Rm 240	<b>AutoCAD</b> w/ S. Haines Rm 265	<b>Computer Applications</b> w/ S. Ervin Rm 265
	Tues., 10/22, 6:00pm – 8:30pm	
Tues., 09/24, 3:30pm – 6pm	Thurs., 10/24, 6:00pm – 8:30pm	Thurs., 11/07, 3pm – 5:30pm
Thurs., 09/26, 3:30pm – 6pm	Tues., 10/29, 6:00pm – 8:30pm	Tues., 11/12, 3pm – 5:30pm
<b>NO CLASS on Tues., 10/01</b>	Thurs., 10/31, 6:00pm – 8:30pm	Thurs., 11/14, 3pm – 5:30pm
Thurs., 10/03, 3:30pm – 6pm	Tues., 11/05, 6:00pm – 8:30pm	Tues., 11/19, 3pm – 5:30pm
Tues., 10/08, 3:30pm – 6pm	Thurs., 11/07, 6:00pm – 8:30pm	Thurs., 11/21, 3pm – 5:30pm
Thurs., 10/10, 3:30pm – 6pm	Tues., 11/12, 6:00pm – 8:30pm	Tues., 11/26, 3pm – 5:30pm
Tues., 10/15, 3:30pm – 6pm	Thurs., 11/14, 6:00pm – 8:30pm	Tues., 12/03, 3pm – 5:30pm
Thurs., 10/17, 3:30pm – 6pm	Tues., 11/19, 6:00pm – 8:30pm	Thurs., 12/05, 3pm – 5:30pm
Tues., 10/22, 3:30pm – 6pm	Thurs., 11/21, 6:00pm – 8:30pm	Tues., 12/10, 3pm – 5:30pm
<b>NO CLASS on Thurs., 10/24</b>	Tues., 11/26, 6:00pm – 8:30pm	Thurs., 12/12, 3pm – 5:30pm
<b>NO CLASS on Tues., 10/29</b>	Tues. 12/03, 6:00pm – 8:30pm	
Thurs., 10/31, 3:30pm – 6pm	Thurs., 12/05, 6:00pm – 8:30pm	
Tues., 11/05, 3:30pm – 6pm	Tues., 12/10, 6:00pm – 8:30pm	
	Thurs., 12/12, 6:00pm – 8:30pm	
	Tues., 12/17, 6:00pm – 8:30pm	
	Thurs., 12/19, 6:00pm – 8:30pm	

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<b>DC Circuits w/ S. Ervin</b> Rm 150	<b>Industrial Motors &amp; PLC</b> w/A. Khan Rm 150
Mon., 09/16, 3:00pm – 5:30pm	Fri., 09/20, 3:00pm – 5:00pm
Wed., 09/18, 3:00pm – 5:30pm	Fri., 09/27, 3:00pm – 5:00pm
Mon., 09/23, 3:00pm – 5:30pm	Fri., 10/04, 3:00pm – 5:00pm
Wed., 09/25, 3:00pm – 5:30pm	Fri., 10/11, 3:00pm – 5:00pm
Mon., 09/30, 3:00pm – 5:30pm	Fri., 10/18, 3:00pm – 5:00pm
Wed., 10/02, 3:00pm – 5:30pm	Fri., 10/25, 3:00pm – 5:00pm
Mon., 10/07, 3:00pm – 5:30pm	Fri., 11/01, 3:00pm – 5:00pm
Wed., 10/09, 3:00pm – 5:30pm	Fri., 11/08, 3:00pm – 5:00pm
Mon., 10/14, 3:00pm – 5:30pm	Fri., 11/15, 3:00pm – 5:00pm
Wed., 10/16, 3:00pm – 5:30pm	Fri., 11/22, 3:00pm – 5:00pm
Mon., 10/21, 3:00pm – 5:30pm	<b>NO CLASS on Fri., 11/29</b>
Wed., 10/23, 3:00pm – 5:30pm	Fri., 12/06, 3:00pm – 5:00pm
Mon., 10/28, 3:00pm – 5:30pm	Fri., 12/13, 3:00pm – 5:00pm
Wed., 10/30, 3:00pm – 5:30pm	
Mon., 11/04, 3:00pm – 5:30pm	<b>AutoCAD Electrical</b> w/ A. Khan Rm 265
Wed., 11/06, 3:00pm – 5:30pm	Mon., 10/07, 6:00pm – 8:00pm
<b>NO CLASS on Mon., 11/11</b>	Mon., 10/14, 6:00pm – 8:00pm
Wed., 11/13, 3:00pm – 5:30pm	Mon., 10/21, 6:00pm – 8:00pm
Mon., 11/18, 3:00pm – 5:30pm	Mon., 10/28, 6:00pm – 8:00pm
Wed., 11/20, 3:00pm – 5:30pm	Mon., 11/04, 6:00pm – 8:00pm
Mon., 11/25, 3:00pm – 5:30pm	<b>NO CLASS on Mon., 11/11</b>
<b>NO CLASS on Wed., 11/27</b>	Mon., 11/18, 6:00pm – 8:00pm
Mon., 12/02, 3:00pm – 5:30pm	Mon., 11/25, 6:00pm – 8:00pm
Wed., 12/04, 3:00pm – 5:30pm	Mon., 12/02, 6:00pm – 8:00pm
Mon., 12/09, 3:00pm – 5:30pm	Mon., 12/09, 6:00pm – 8:00pm
Wed., 12/11, 3:00pm – 5:30pm	Mon., 12/16, 6:00pm – 8:00pm
Mon., 12/16, 3:00pm – 5:30pm	
Wed., 12/18, 3:00pm – 5:30pm	
Mon., 12/23, 3:00pm – 5:30pm	
Mon, 12/30, 3:00pm – 5:30pm	

**FREE TECHNICAL SKILLS TRAINING**

Advancing Coshocton through Technical Training (ACTT)

Advance your career as an Industrial Technician with our **FREE** training program that includes courses in:

- Industrial Electric Motors and PLC
- AC and DC Circuits
- Hydraulics and Pneumatics
- Mechanical Systems
- AutoCAD Electrical
- Welding and Fabrication
- 21st Century Job Readiness Skills, and more!

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Most courses are taught at COTC's Coshocton campus  
200 N. Whiteoakman St., Coshocton, Ohio.

Registration: cotc.edu/WDC  
For more information, contact: Vicki Maple, EdD, Vice President  
Economic Development and Innovative Workforce Solutions  
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**CENTRAL OHIO TECHNICAL COLLEGE**  
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AC Circuits w/ S. Ervin Rm 150	Industrial control w/A. Khan Rm 150
	Fri., 09/20, 12:00pm – 2:30pm
Mon., 09/16, 5:30pm – 8:00pm	Fri., 09/27, 12:00pm – 2:30pm
Wed., 09/18, 5:30pm – 8:00pm	Fri., 10/04, 12:00pm – 2:30pm
Mon., 09/23, 5:30pm – 8:00pm	Fri., 10/11, 12:00pm – 2:30pm
Wed., 09/25, 5:30pm – 8:00pm	Fri., 10/18, 12:00pm – 2:30pm
Mon., 09/30, 5:30pm – 8:00pm	Fri., 10/25., 12:00pm – 2:30pm
Wed., 10/02, 5:30pm – 8:00pm	Fri., 11/01, 12:00pm – 2:30pm
Mon., 10/07, 5:30pm – 8:00pm	Fri., 11/08, 12:00pm – 2:30pm
Wed., 10/09, 5:30pm – 8:00pm	Fri., 11/15, 12:00pm – 2:30pm
Mon., 10/14, 5:30pm – 8:00pm	Fri., 11/22, 12:00pm – 2:30pm
Wed., 10/16, 5:30pm – 8:00pm	NO CLASS on Fri., 11/29
Mon., 10/21, 5:30pm – 8:00pm	Fri., 12/06, 12:00pm – 2:30pm
Wed., 10/23, 5:30pm – 8:00pm	Fri., 12/13, 12:00pm – 2:30pm
Mon., 10/28, 5:30pm – 8:00pm	
Wed., 10/30, 5:30pm – 8:00pm	<b>Manufacturing Leaders in Manufacturing 1.0</b> Returning in October/November... by popular demand!
Mon., 11/04, 5:30pm – 8:00pm	MLM1.0 has been developed to help employees emerge as leaders – perhaps as a supervisor, manager, and/or crew/team leader. Each module is 4-hours of training:
Wed., 11/06, 5:30pm – 8:00pm	<ul style="list-style-type: none"> <li>Comprehensive Communication: <i>Essential Skills of Communicating</i></li> </ul>
NO CLASS on Mon., 11/11	<ul style="list-style-type: none"> <li>Foundational Leadership: <i>Essential Skills of Leadership</i></li> </ul>
Wed., 11/13, 5:30pm – 8:00pm	<ul style="list-style-type: none"> <li>Conflict Resolution: <i>Resolving and Managing Conflict</i></li> </ul>
Mon., 11/18, 5:30pm – 8:00pm	<ul style="list-style-type: none"> <li>Project Planning: <i>Leading Successful Projects</i></li> </ul>
Wed., 11/20, 5:30pm – 8:00pm	
Mon., 11/25, 5:30pm – 8:00pm	<b>New this winter:</b> <b>Manufacturing Leaders in Manufacturing 2.0</b>
NO CLASS on Wed., 11/27	<ul style="list-style-type: none"> <li>Time Management is Self-Management</li> </ul>
Mon., 12/02, 5:30pm – 8:00pm	<ul style="list-style-type: none"> <li>Coaching Job Skills: Observing, Analyzing, Demonstrating and Providing Feedback.</li> </ul>
Wed., 12/04, 5:30pm – 8:00pm	<ul style="list-style-type: none"> <li>Mastering Delegation</li> </ul>
Mon., 12/09, 5:30pm – 8:00pm	<ul style="list-style-type: none"> <li>Developing and Implementing a Collaborative Feedback Process</li> </ul>
Wed., 12/11, 5:30pm – 8:00pm	<ul style="list-style-type: none"> <li>Developing &amp; Coaching Others through Coachable Moments</li> </ul>
Mon., 12/16, 5:30pm – 8:00pm	
Wed., 12/18, 5:30pm – 8:00pm	<b>Also, coming soon:</b> <b>Manufacturing Young Leaders in Manufacturing</b>
Mon., 12/23, 5:30pm – 8:00pm	
Mon, 12/30, 5:30pm – 8:00pm	

ACTT courses now available to employers for training the current labor-force.

Register today at [www.COTC.edu/WDIC](http://www.COTC.edu/WDIC) (click on ACTT Registration button)

NO COST TO ATTEND! Limited number of seats for each course.

**Brief overview of each course:**

**AC Circuits:** ● Alternating current fundamentals ● Waveforms and notation ● Series RL Circuits ● Parallel RL Circuits ● Series RC Circuits ● Parallel RC Circuits ● RLC circuits ● Practical RLC circuits ● Frequency domain topics ● 3-phase power ● Transformers ● Generators, Alternators ● Motors ● Power distribution

**AutoCAD:** ● Quick Start ● Controlling the drawing display ● Basic drawing commands ● Drawing Aids and Drafting Settings ● Managing Object properties ● Basic Editing Techniques ● Advanced Editing Techniques ● Drawing and Editing complex objects ● Patterns fills and Hatching ● Dimension Drawings ● Managing paper space lay out ● Plotting and publishing ● Block and Block Attributes

**AutoCAD Electrical:** ● Working with Projects and Drawings ● Working with Wires ● Schematic Components ● Schematics Editing ● Connectors, Point to Point Wiring Diagram, and Circuits ● Panel Layouts ● Schematic and Panel Reports ● PLC Modules ● Terminals ● Settings, Configurations, Templates, and Plotting ● Creating Symbols

**Blueprint Reading & Technical Drawing:** ● Sketching and drafting with instruments ● Orthographic views ● auxiliary views ● dimensioning ● sections ● pictorial views, etc.

**Computer Applications:** ● Word ● Power Point ● Excel ● MS Project

**DC Circuits:** ● Direct current sources ● Series and parallel circuits ● Ohm's law & Kirchoff's Law ● Resistance & power ● Mesh analyses, capacitance, and inductance. Laboratory sessions include experiments, both simulated and bread boarded, verifying the lecture material through the proper use of voltmeters, ammeters, ohmmeters, and DC power supplies.

**Industrial Control:** ● Definition of fluid power and physical properties of hydraulic fluids ● Energy and power in hydraulic systems ● Frictional losses in hydraulic pipelines ● Hydraulic pumps ● Hydraulic cylinders and cushioning devices ● Hydraulic motors ● Hydraulic valves ● Pneumatics: circuits and applications ● Basic electrical controls for fluid power circuits ● Fluid logic control systems/Advanced electrical controls for fluid power systems

**Industrial Motors & PLC:** ● Introduction to electric motor types and applications ● Power and torque calculations ● DC motors ● AC Motors ● Three Phase induction Motors ● Three-Phase Synchronous Motors ● Introduction to programmable controllers ● Basic HMI panel operation ● SCADA System ● PLC motor control ● PLC timing and computer control instruction ● Event sequencing ● Troubleshooting

**Mechanical Systems:** ● Introduction of and basic design rules for mechanical elements of power transmission including gears, levels, chains, belts, and pulleys. ● Analysis of simple power trains and linkage devices ● nature of gear tooth contact and study of fixtures and bolted joints