



# Career Pathway Plan of Study

## Manufacturing Cluster: Maintenance, Installation and Repair



Career & Technical Education  
www.doe.state.in.us/octe

**Indiana Department of Education**

		Requirements for Core 40				CTE Course Sequences for Core 40 + Technical Honors Diploma			
	GRADE	English/ Language Arts	Math	Science	Phys Ed, Health, Social Studies	Course Sequence for This Pathway (Strongly Recommended Electives & Directed Electives)	*Additional Recommended Courses That Support This Pathway	SAMPLE Occupations for This Pathway	
SECONDARY	9							<ul style="list-style-type: none"> <li>▶ 1. Biomedical Equipment Technician</li> <li>▶ 2. Boilermaker</li> <li>▶ 3. Communication System Installer/Repairer</li> <li>▶ 4. Computer Installer/Repairer</li> <li>▶ 5. Computer Maintenance Technician</li> <li>▶ 6. Electrical Equipment Installer/Repairer</li> <li>▶ 7. Facility Electrician</li> <li>▶ 8. Industrial Electronic Installer/Repairer/Manager</li> <li>▶ 9. Industrial Machinery Mechanic</li> <li>▶ 10. Industrial Maintenance Electrician</li> <li>▶ 11. Industrial Maintenance Technician/Mechanic</li> <li>▶ 12. Instrument Calibration and Repairer</li> <li>▶ 13. Instrument Control Technician</li> <li>▶ 14. Job/Fixture Designer</li> <li>▶ 15. Laser Systems Technician</li> <li>▶ 16. Maintenance Repairer</li> <li>▶ 17. Major Appliance Repairer</li> <li>▶ 18. Meter Installer/Repairer</li> <li>▶ 19. Plumber, Pipe Fitter and Steam Fitter</li> <li>▶ 20. Security System Installer</li> </ul>	
	10								
	11								
	12								
*Form is interactive; click on each box above to add Academic Honors courses or customize for your school or for individual students.						*Cooperative Education, CTE Internship, CTE Advanced College Credit are additionally recommended			
				<a href="#">Click here for a list of Post-Secondary Institutions offering degrees in Manufacturing, IT, STEM, and/or Transportation and Logistics</a>					

[www.careerclusters.org](http://www.careerclusters.org)

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