

Skilled Trades-Maintenance Mechanic, Certificate

25-26 catalog

Description: This program trains students in basic industrial maintenance. Coursework focuses on electronics, PLCs, and machine operation.

Completion Time: 1.5 Years

Part-time course schedule (You do not have to follow this exact schedule. It is meant to show the courses needed.)				
Year 1				
Fall Semester				
<input type="checkbox"/> Success Skills for the 21st Century	GNST 100	3 Cr.		
<input type="checkbox"/> Electrical Circuit Analysis	ATMN 110	3 Cr.		
<input type="checkbox"/> Introduction to Windows	CMIS 102	1 Cr.		
<input type="checkbox"/> Industrial Applied Algebra	INDS 122	2 Cr.		
Spring Semester				
<input type="checkbox"/> Industrial Motors and Controls	ATMN 140	4 Cr.		
<input type="checkbox"/> Industrial Applied Geometry	INDS 124	2 Cr.		
<input type="checkbox"/> Metallurgy & Heat Treatment	INDS 130	2 Cr.		
<input type="checkbox"/> Industrial Documentation & Management	TDSN 107	4 Cr.		
Year 2				
Fall Semester				
<input type="checkbox"/> Industrial Control Systems-Allen Bradley	ATMN 160	4 Cr.		
<input type="checkbox"/> Basic Machine Operation	INDS 129	4 Cr.		
Spring Semester				
<input type="checkbox"/> Choose One				
Pneumatics	INDS 106	3 Cr.		
Hydraulics	INDS 107	3 Cr.		
<input type="checkbox"/> Industrial First Aid	INDS 156	0.5 Cr.		
<input type="checkbox"/> Industrial Safety	INDS 157	1 Cr.		
Total Credits: 33.5				

*ATMN 110 requires knowledge of algebra and manipulation of variables. INDS 122 is a pre-requisite but may be allowed to enroll along with ATMN 110 depending on mathematics background. PLease contact Student Success Center with questions.

Academic Advising: You should meet with an academic counselor prior to registering for classes.

Note: Prerequisite courses may apply to this program. A minimum of 30 unduplicated credits (100 level or higher) are required for all certificate programs.

Skilled Trades-Maintenance Mechanic, Certificate

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Description: This program trains students in basic industrial maintenance. Coursework focuses on electronics, PLCs, and machine operation.

Completion Time: 2.5 Years

Half-time course schedule (You do not have to follow this exact schedule. It is meant to show the courses needed.)				
Year 1				
Fall Semester				
<input type="checkbox"/> Success Skills for the 21st Century	GNST 100	3 Cr.		
<input type="checkbox"/> Introduction to Windows	CMIS 102	1 Cr.		
<input type="checkbox"/> Industrial Applied Algebra	INDS 122	2 Cr.		
Spring Semester				
<input type="checkbox"/> Electrical Circuit Analysis	ATMN 110	3 Cr.		
<input type="checkbox"/> Industrial Applied Geometry	INDS 124	2 Cr.		
<input type="checkbox"/> Industrial Safety	INDS 157	1 Cr.		
<input type="checkbox"/> Industrial First Aid	INDS 156	0.5 Cr.		
Year 2				
Fall Semester				
<input type="checkbox"/> Industrial Motors and Controls	ATMN 140	4 Cr.		
<input type="checkbox"/> Industrial Documentation & Management	TDSN 107	4 Cr.		
Spring Semester				
<input type="checkbox"/> Industrial Control Systems- Allen Bradley	ATMN 160	4 Cr.		
<input type="checkbox"/> Metallurgy & Heat Treatment	INDS 130	2 Cr.		
Year 3				
Fall Semester				
<input type="checkbox"/> Choose One				
Pneumatics	INDS 106	3 Cr.		
Hydraulics	INDS 107	3 Cr.		
<input type="checkbox"/> Basic Machine Operation	INDS 129	4 Cr.		
				Total Credits: 33.5

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Completion Time: 2.5 Years

Full-time course schedule (You do not have to follow this exact schedule. It is meant to show the courses needed.)				
Year 1				
Fall Semester				
<input type="checkbox"/>	Success Skills for the 21st Century	GNST 100	3 Cr.	
<input type="checkbox"/>	Industrial Documentation & Management	TDSN 107	4 Cr.	
Spring Semester				
<input type="checkbox"/>	Electrical Circuit Analysis	ATMN 110	3 Cr.	
<input type="checkbox"/>	Introduction to Windows	CMIS 102	1 Cr.	
<input type="checkbox"/>	Basic Machine Operation	INDS 129	4 Cr.	
Year 2				
Fall Semester				
<input type="checkbox"/>	Industrial Applied Geometry	INDS 124	2 Cr.	
<input type="checkbox"/>	Metallurgy & Heat Treatment	INDS 130	2 Cr.	
<input type="checkbox"/>	Industrial Safety	INDS 157	1 Cr.	
<input type="checkbox"/>	Industrial First Aid	INDS 156	0.5 Cr.	
<input type="checkbox"/>	Industrial Motors and Controls	ATMN 140	4 Cr.	
Spring Semester				
<input type="checkbox"/>	Industrial Control Systems- Allen Bradley	ATMN 160	4 Cr.	
<input type="checkbox"/>	Choose One			
	Pneumatics	INDS 106	3 Cr.	
	Hydraulics	INDS 107	3 Cr.	
Total Credits: 33.5				

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