Description: This program is for students interested in robotics and their use in industrial settings. Students will learn concepts of electricity, programmable logic controllers, motors, hydraulics, robotics, and the integration of robotic systems.

Completion Time: 2 Years

This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.							
Year 1				Year 2			
Fall Semester				Fall Semester			
Success Skills for the 21st Century	GNST 100	3 Cr.		Industrial Networking	ATMN 175	2 Cr.	
Electrical Circuit Analysis*	ATMN 110	3 Cr.		Advanced PLC	ATMN 260	3 Cr.	
🖵 Freshman English I	ENGL 100	3 Cr.		Industrial Automation I	ATMN 270	3 Cr.	
Industrial Applied Algebra	INDS 122	2 Cr.		Choose 1			
Communication Requirement		3 Cr.		Math for Everyday Life Introductory Statistics	MATH 101 MATH 190	4 Cr. 4 Cr.	
Spring Semester				Spring Semester			
Industrial Motors and Controls	ATMN 140	4 Cr.		Industrial Automation II	ATMN 275	3 Cr.	
Industrial Control Systems- Allen Bradley	ATMN 160	4 Cr.		Automation Maintenance	ATMN 280	3 Cr.	
Industrial Applied Geometry	INDS 124	2 Cr.		 Industrial Automation Integration Humanities Requirement 	ATMN 285	3 Cr. 3-4 Cr.	
Choose 1 Pneumatics Hydraulics	INDS 106 INDS 107	3 Cr. 3 Cr.		Industrial Applied Right Angle and Oblique Trigonometry	INDS 127	2 Cr.	
Summer Session							
Lab Science Requirement		4 Cr.					
Choose 1 American Political System United States History to 1865 (for HIST 251, swap with commun	POLI 240 HIST 250 ications requ	3 Cr. 3 Cr. uirement)		Tabal Minim			

Total Minimum Credits: 60

*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 60 unduplicated credits (100 level or higher) are required for all associate degree programs.

Description: This program is for students interested in robotics and their use in industrial settings. Students will learn concepts of electricity, programmable logic controllers, motors, hydraulics, robotics, and the integration of robotic systems.

Completion Time: 2 Years

This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.								
Year 1			Ye	ear 2				
Fall Semester			Fa	III Semester				
Success Skills for the 21st Century	GNST 100	3 Cr.		Industrial Networking	ATMN 175	2 Cr.		
Electrical Circuit Analysis*	ATMN 110	3 Cr.		Advanced PLC	ATMN 260	3 Cr.		
🗅 Freshman English I	ENGL 100	3 Cr.		Industrial Automation I	ATMN 270	3 Cr.		
Choose 1 American Political System	INDS 122 POLI 240 HIST 250 cations requ	2 Cr. 3 Cr. 3 Cr. iirement)		Choose 1 Pneumatics Hydraulics Choose 1 Math for Everyday Life Introductory Statistics	INDS 106 INDS 107 MATH 101 MATH 190	3 Cr. 3 Cr. 4 Cr. 4 Cr.		
Spring Semester			Sp	oring Semester				
Industrial Motors and Controls	ATMN 140	4 Cr.		Industrial Automation II	ATMN 275	3 Cr.		
Industrial Control Systems-	ATMN 160	4 Cr.		Automation Maintenance	ATMN 280	3 Cr.		
Allen Bradley				Industrial Automation Integration	ATMN 285	3 Cr.		
Industrial Applied Geometry	INDS 124	2 Cr.		Humanities Requirement		3-4 Cr.		
 Lab Science Requirement Communication Requirement 		4 Cr. 3 Cr.		Industrial Applied Right Angle and Oblique Trigonometry	INDS 127	2 Cr.		
Courses in italics may be taken in the summer term. Total Minimum Credits: 60								

*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 60 unduplicated credits (100 level or higher) are required for all associate degree programs.

Half-time course schedule

Description: This program is for students interested in robotics and their use in industrial settings. Students will learn concepts of electricity, programmable logic controllers, motors, hydraulics, robotics, and the integration of robotic systems.

Completion Time: 4.5 Years

This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.							
Year 1			Year 4				
Fall Semester Success Skills for the 21st Century Industrial Applied Algebra Freshman English I	GNST 100 INDS 122 ENGL 100	3 Cr. 2 Cr. 3 Cr.	Fall SemesterIndustrial NetworkingATMN 1752 Cr.Advanced PLCATMN 2603 Cr.				
Spring Semester Electrical Circuit Analysis* Industrial Applied Geometry Communication Requirement	ATMN 110 INDS 124	3 Cr. 2 Cr. 3 Cr.	 Spring Semester Automation Maintenance ATMN 280 3 Cr. Industrial Automation Integration ATMN 285 3 Cr. 				
Year 2			Year 5				
 Fall Semester Industrial Motors and Controls Choose 1 American Political System United States History to 1865 (for HIST 251, swap with community) 	ATMN 140 POLI 240 HIST 250 hications requ	3 Cr. 3 Cr.	Fall SemesterChoose 1Math for Everyday LifeIntroductory StatisticsMATH 1014 Cr.Humanities Requirement3-4 Cr.				
 Spring Semester Industrial Control Systems- Allen Bradley Industrial Applied Right Angle and Oblique Trigonometry 	ATMN 160 INDS 127	4 Cr. 2 Cr.	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 60 unduplicated credits (100 level or higher) are required for all associate degree				
Year 3			programs.				
Fall Semester Industrial Automation I Choose 1 Pneumatics Hydraulics	ATMN 270 INDS 106 INDS 107	3 Cr. 3 Cr. 3 Cr.	*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.				
Spring Semester Industrial Automation II Lab Science Requirement 	ATMN 275	3 Cr. 4 Cr.	Courses in italics may be taken in the summer term. Total Minimum Credits: 60				

Description: This program is for students interested in robotics and their use in industrial settings. Students will learn concepts of electricity, programmable logic controllers, motors, hydraulics, robotics, and the integration of robotic systems.

Completion Time: 2 Years

This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.								
Year 1				Year 2				
Spring Semester				Spring Semester				
□ Success Skills for the 21st Century	GNST 100	3 Cr.		Industrial Motors and Controls	ATMN 140	4 Cr.		
 Freshman English I Choose 1 	ENGL 100	3 Cr.		Industrial Control Systems- Allen Bradley	ATMN 160	4 Cr.		
Math for Everyday Life Introductory Statistics	MATH 101 MATH 190	4 Cr. 4 Cr.		 Industrial Applied Geometry Choose 1 	INDS 124	2 Cr.		
Choose 1 American Political System United States History to 1865 (for HIST 251, swap with commun	POLI 240 HIST 250 ications requ	3 Cr. 3 Cr. uirement)		Pneumatics Hydraulics	INDS 106 INDS 107	3 Cr. 3 Cr.		
Fall Semester				Fall Semester				
Electrical Circuit Analysis*	ATMN 110	3 Cr.		Industrial Networking	ATMN 175	2 Cr.		
Industrial Applied Algebra	INDS 122	2 Cr.		Advanced PLC	ATMN 260	3 Cr.		
Communication Requirement		3 Cr.		Industrial Automation I	ATMN 270	3 Cr.		
Lab Science Requirement		4 Cr.		Humanities Requirement		3-4 Cr.		
				Year 3				
*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.				Spring Session				
				Industrial Automation II	ATMN 275	3 Cr.		
				Automation Maintenance	ATMN 280	3 Cr.		
				Industrial Automation Integration	ATMN 285	3 Cr.		

□ Industrial Applied Right Angle INDS 127 2 Cr. and Oblique Trigonometry

Total Minimum Credits: 60

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 60 unduplicated credits (100 level or higher) are required for all associate degree programs.