

Heating, Ventilation, and Air Conditioning, A.A.S. 24-25 catalog

Full-time with summer course schedule

Description: This program provides the background, skills, knowledge, understanding and techniques needed for students to work as HVAC technicians. Students gain knowledge of various environmental conditions and how they impact human comfort level. In addition, students will have the skills necessary to install and service HVAC systems. Students should develop sufficient skills and knowledge for North American Technician Excellence (NATE) Certification.

Completion Time: 2 Years

Full-time with summer course schedule (This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.)	
Year 1	Year 2
<p>Fall Semester</p> <ul style="list-style-type: none"> <input type="checkbox"/> Success Skills for the 21st Century GNST 100 3 Cr. <input type="checkbox"/> Freshman English I ENGL 100 3 Cr. <input type="checkbox"/> Industrial Applied Algebra INDS 122 2 Cr. <input type="checkbox"/> Electrical Circuit Analysis* ATMN 110 3 Cr. <input type="checkbox"/> HVAC Principles HVAC 100 3 Cr. 	<p>Fall Semester</p> <ul style="list-style-type: none"> <input type="checkbox"/> State Electrical Code HVAC 200 1 Cr. <input type="checkbox"/> Comfort and Airflow HVAC 210 3 Cr. <input type="checkbox"/> HVAC Installation HVAC 220 5 Cr. <input type="checkbox"/> Choose 1 <ul style="list-style-type: none"> American Political System POLI 240 3 Cr. United States History to 1865 HIST 250* 3 Cr. <p><i>*If student wants HIST 251, swap with Communications requirement</i></p>
<p>Spring Semester</p> <ul style="list-style-type: none"> <input type="checkbox"/> Industrial Motors and Controls ATMN 140 4 Cr. <input type="checkbox"/> HVAC Fundamentals HVAC 120 3 Cr. <input type="checkbox"/> HVAC Controls HVAC 130 1 Cr. <input type="checkbox"/> Industrial Applied Geometry INDS 124 2 Cr. <input type="checkbox"/> Communication Requirement 3 Cr. 	<p>Spring Semester</p> <ul style="list-style-type: none"> <input type="checkbox"/> HVAC Service HVAC 230 5 Cr. <input type="checkbox"/> Choose 1 <ul style="list-style-type: none"> Math for Everyday Life MATH 101 4 Cr. Introductory Statistics MATH 190 4 Cr. <input type="checkbox"/> Elective 5-6 Cr. <input type="checkbox"/> Elective(s) as needed to get to 60 credit hours
<p>Summer Session 3</p> <ul style="list-style-type: none"> <input type="checkbox"/> Humanities Requirement (see catalog requirements) 3-4 Cr. <input type="checkbox"/> Lab Science Requirement 4 Cr. 	
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.

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Full-time course schedule

Description: This program provides the background, skills, knowledge, understanding and techniques needed for students to work as HVAC technicians. Students gain knowledge of various environmental conditions and how they impact human comfort level. In addition, students will have the skills necessary to install and service HVAC systems. Students should develop sufficient skills and knowledge for North American Technician Excellence (NATE) Certification.

Completion Time: 2 Years

Full-time course schedule (This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.)			
Year 1		Year 2	
Fall Semester		Fall Semester	
<input type="checkbox"/> Success Skills for the 21st Century	GNST 100 3 Cr.	<input type="checkbox"/> State Electrical Code	HVAC 200 1 Cr.
<input type="checkbox"/> Industrial Applied Algebra	INDS 122 2 Cr.	<input type="checkbox"/> Comfort and Airflow	HVAC 210 3 Cr.
<input type="checkbox"/> Electrical Circuit Analysis*	ATMN 110 3 Cr.	<input type="checkbox"/> HVAC Installation	HVAC 220 5 Cr.
<input type="checkbox"/> HVAC Principles	HVAC 100 3 Cr.	<input type="checkbox"/> Choose 1	
<input type="checkbox"/> <i>Freshman English I</i>	ENGL 100 3 Cr.	Math for Everyday Life	MATH 101 4 Cr.
		Introductory Statistics	MATH 190 4 Cr.
		<input type="checkbox"/> Choose 1	
		American Political System	POLI 240 3 Cr.
		United States History to 1865	HIST 250 3 Cr.
		United States History Since 1865	HIST 251 3 Cr.
Spring Semester		Spring Semester	
<input type="checkbox"/> Industrial Motors and Controls	ATMN 140 4 Cr.	<input type="checkbox"/> HVAC Service	HVAC 230 5 Cr.
<input type="checkbox"/> HVAC Fundamentals	HVAC 120 3 Cr.	<input type="checkbox"/> Communication Requirement	3 Cr.
<input type="checkbox"/> HVAC Controls	HVAC 130 1 Cr.	<input type="checkbox"/> Humanities Requirement	3-4 Cr.
<input type="checkbox"/> Industrial Applied Geometry	INDS 124 2 Cr.	(see catalog requirements)	
<input type="checkbox"/> Lab Science Requirement	4 Cr.	<input type="checkbox"/> Elective	5-6 Cr.
		<input type="checkbox"/> Elective(s)	as needed to get to 60 credit hours
Courses in italics may be taken in the summer term.		Total Minimum Credits: 60	

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

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Half-time course schedule

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Completion Time: 4 Years

Half-time course schedule (This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.)			
Year 1		Year 3	
Fall Semester <input type="checkbox"/> Success Skills for the 21st Century GNST 100 3 Cr. <input type="checkbox"/> HVAC Principles HVAC 100 3 Cr. <input type="checkbox"/> Industrial Applied Algebra INDS 122 2 Cr.		Fall Semester <input type="checkbox"/> Lab Science Requirement 4 Cr. <input type="checkbox"/> Comfort and Airflow HVAC 210 3 Cr.	
Spring Semester <input type="checkbox"/> Freshman English I ENGL 100 3 Cr. <input type="checkbox"/> HVAC Fundamentals HVAC 120 3 Cr. <input type="checkbox"/> Industrial Applied Geometry INDS 124 2 Cr.		Spring Semester <input type="checkbox"/> Humanities Requirement 3-4 Cr. (see catalog requirements) <input type="checkbox"/> Choose 1 Math for Everyday Life MATH 101 4 Cr. Introductory Statistics MATH 190 4 Cr.	
Year 2		Year 4	
Fall Semester <input type="checkbox"/> Electrical Circuit Analysis* ATMN 110 3 Cr. <input type="checkbox"/> Choose 1 American Political System POLI 240 3 Cr. United States History to 1865 HIST 250 3 Cr. United States History Since 1865 HIST 251 3 Cr.		Fall Semester <input type="checkbox"/> State Electrical Code HVAC 200 1 Cr. <input type="checkbox"/> HVAC Installation HVAC 220 5 Cr.	
Spring Semester <input type="checkbox"/> Industrial Motors and Controls ATMN 140 4 Cr. <input type="checkbox"/> HVAC Controls HVAC 130 1 Cr. <input type="checkbox"/> Communication Requirement 3 Cr.		Spring Semester <input type="checkbox"/> HVAC Service HVAC 230 5 Cr. <input type="checkbox"/> Elective 5-6 Cr. <input type="checkbox"/> Elective(s) as needed to get to 60 credit hours	
<p>Courses in italics may be taken in the summer term. Total Minimum Credits: 60</p>			

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

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Full-time spring start course schedule

Description: This program provides the background, skills, knowledge, understanding and techniques needed for students to work as HVAC technicians. Students gain knowledge of various environmental conditions and how they impact human comfort level. In addition, students will have the skills necessary to install and service HVAC systems. Students should develop sufficient skills and knowledge for North American Technician Excellence (NATE) Certification.

Completion Time: 2 Years

Full-time spring start course schedule (This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.)

Year 1		Year 2	
Spring Semester		Spring Semester	
<input type="checkbox"/> Success Skills for the 21st Century	GNST 100 3 Cr.	<input type="checkbox"/> Industrial Motors and Controls	ATMN 140 4 Cr.
<input type="checkbox"/> Choose 1		<input type="checkbox"/> HVAC Fundamentals	HVAC 120 3 Cr.
Math for Everyday Life	MATH 101 4 Cr.	<input type="checkbox"/> HVAC Controls	HVAC 130 1 Cr.
Introductory Statistics	MATH 190 4 Cr.	<input type="checkbox"/> Industrial Applied Geometry	INDS 124 2 Cr.
<input type="checkbox"/> Humanities Requirement	3-4 Cr.	<input type="checkbox"/> Elective	5-6 Cr.
(see catalog requirements)			
<input type="checkbox"/> Freshman English I	ENGL 100 3 Cr.		
Fall Semester		Fall Semester	
<input type="checkbox"/> Industrial Applied Algebra	INDS 122 2 Cr.	<input type="checkbox"/> State Electrical Code	HVAC 200 1 Cr.
<input type="checkbox"/> Electrical Circuit Analysis*	ATMN 110 3 Cr.	<input type="checkbox"/> Comfort and Airflow	HVAC 210 3 Cr.
<input type="checkbox"/> HVAC Principles	HVAC 100 3 Cr.	<input type="checkbox"/> HVAC Installation	HVAC 220 5 Cr.
<input type="checkbox"/> Lab Science Requirement	4 Cr.	<input type="checkbox"/> Choose 1	
		American Political System	POLI 240 3 Cr.
		United States History to 1865	HIST 250* 3 Cr.
		<i>*If student wants HIST 251, swap with Communications requirement</i>	
		Year 3	
		Spring Session 3	
		<input type="checkbox"/> Communication Requirement	3 Cr.
		<input type="checkbox"/> HVAC Service	HVAC 230 5 Cr.
		<input type="checkbox"/> Elective(s)	as needed to get to 60 credit hours
Total Minimum Credits: 60			

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