Heating, Ventilation, and Air Conditioning, A.A.S. 25-26 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

Fall Semester

❑ Success Skills for the 21st Century	GNST 100	*3 Cr.*
❑ Freshman English I	ENGL 100	*3 Cr.*
❑ Industrial Applied Algebra	INDS 122	*2 Cr.*
❑ Electrical Circuit Analysis*	ATMN 110	*3 Cr.*
❑ HVAC Principles	HVAC 100	*3 Cr.*

Spring Semester

❑ Industrial Motors and Controls	ATMN 140	*4 Cr.*
❑ HVAC Fundamentals	HVAC 120	*3 Cr.*
❑ HVAC Controls	HVAC 130	*1 Cr.*
❑ Industrial Applied Geometry	INDS 124	*2 Cr.*
❑ Communication Requirement		*3 Cr.*

Summer Session 3

❑ Humanities Requirement (see catalog requirements)	*3-4 Cr.*
❑ Lab Science Requirement	*4 Cr.*

Year 2

Fall Semester

❑ State Electrical Code	HVAC 200	*1 Cr.*
❑ Comfort and Airflow	HVAC 210	*3 Cr.*
❑ HVAC Installation	HVAC 220	*5 Cr.*
❑ Choose 1		
American Political System	POLI 240	*3 Cr.*
United States History to 1865	HIST 250*	*3 Cr.*

**If student wants HIST 251, swap with Communications requirement*

Spring Semester

❑ HVAC Service	HVAC 230	*5 Cr.*
❑ Choose 1		
Math for Everyday Life	MATH 101	*4 Cr.*
Introductory Statistics	MATH 190	*4 Cr.*
❑ Elective		*5-6 Cr.*
❑ Elective(s)	as needed to get to 60 credit hours	

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.

Heating, Ventilation, and Air Conditioning, A.A.S. 25-26 catalog

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

Fall Semester

❑ **Success Skills for the 21st Century**	GNST 100	*3 Cr.*
❑ **Industrial Applied Algebra**	INDS 122	*2 Cr.*
❑ **Electrical Circuit Analysis***	ATMN 110	*3 Cr.*
❑ **HVAC Principles**	HVAC 100	*3 Cr.*
❑ ***Freshman English I***	ENGL 100	*3 Cr.*

Spring Semester

❑ **Industrial Motors and Controls**	ATMN 140	*4 Cr.*
❑ **HVAC Fundamentals**	HVAC 120	*3 Cr.*
❑ **HVAC Controls**	HVAC 130	*1 Cr.*
❑ **Industrial Applied Geometry**	INDS 124	*2 Cr.*
❑ ***Lab Science Requirement***		*4 Cr.*

Year 2

Fall Semester

❑ **State Electrical Code**	HVAC 200	*1 Cr.*
❑ **Comfort and Airflow**	HVAC 210	*3 Cr.*
❑ **HVAC Installation**	HVAC 220	*5 Cr.*
❑ ***Choose 1***		
Math for Everyday Life	MATH 101	*4 Cr.*
Introductory Statistics	MATH 190	*4 Cr.*
❑ ***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

❑ **HVAC Service**	HVAC 230	*5 Cr.*
❑ ***Communication Requirement***		*3 Cr.*
❑ ***Humanities Requirement*** (see catalog requirements)		*3-4 Cr.*
❑ ***Elective***		*5-6 Cr.*
❑ ***Elective(s)***	as needed to get to 60 credit hours	

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.

Heating, Ventilation, and Air Conditioning, A.A.S. 25-26 catalog

Half-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: 4 Years

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

Year 1

Fall Semester

❑ Success Skills for the 21st Century	GNST 100	3 Cr.
❑ HVAC Principles	HVAC 100	3 Cr.
❑ Industrial Applied Algebra	INDS 122	2 Cr.

Spring Semester

❑ *Freshman English I*	ENGL 100	3 Cr.
❑ HVAC Fundamentals	HVAC 120	3 Cr.
❑ Industrial Applied Geometry	INDS 124	2 Cr.

Year 2

Fall Semester

❑ Electrical Circuit Analysis*	ATMN 110	3 Cr.
❑ *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

❑ Industrial Motors and Controls	ATMN 140	4 Cr.
❑ HVAC Controls	HVAC 130	1 Cr.
❑ *Communication Requirement*		3 Cr.

Year 3

Fall Semester

❑ *Lab Science Requirement*		4 Cr.
❑ Comfort and Airflow	HVAC 210	3 Cr.

Spring Semester

❑ *Humanities Requirement* (see catalog requirements)		3-4 Cr.
❑ *Choose 1*		
Math for Everyday Life	MATH 101	4 Cr.
Introductory Statistics	MATH 190	4 Cr.

Year 4

Fall Semester

❑ State Electrical Code	HVAC 200	1 Cr.
❑ HVAC Installation	HVAC 220	5 Cr.

Spring Semester

❑ HVAC Service	HVAC 230	5 Cr.
❑ *Elective*		5-6 Cr.
❑ *Elective(s)*	as needed to get to 60 credit hours	

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.

Heating, Ventilation, and Air Conditioning, A.A.S. 25-26 catalog

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

Spring Semester

❑ **Success Skills for the 21st Century**	GNST 100	*3 Cr.*
❑ **Choose 1**		
Math for Everyday Life	MATH 101	*4 Cr.*
Introductory Statistics	MATH 190	*4 Cr.*
❑ **Humanities Requirement** (see catalog requirements)		*3-4 Cr.*
❑ **Freshman English I**	ENGL 100	*3 Cr.*

Fall Semester

❑ **Industrial Applied Algebra**	INDS 122	*2 Cr.*
❑ **Electrical Circuit Analysis***	ATMN 110	*3 Cr.*
❑ **HVAC Principles**	HVAC 100	*3 Cr.*
❑ **Lab Science Requirement**		*4 Cr.*

Year 2

Spring Semester

❑ **Industrial Motors and Controls**	ATMN 140	*4 Cr.*
❑ **HVAC Fundamentals**	HVAC 120	*3 Cr.*
❑ **HVAC Controls**	HVAC 130	*1 Cr.*
❑ **Industrial Applied Geometry**	INDS 124	*2 Cr.*
❑ **Elective**		*5-6 Cr.*

Fall Semester

❑ **State Electrical Code**	HVAC 200	*1 Cr.*
❑ **Comfort and Airflow**	HVAC 210	*3 Cr.*
❑ **HVAC Installation**	HVAC 220	*5 Cr.*
❑ **Choose 1**		
American Political System	POLI 240	*3 Cr.*
United States History to 1865	HIST 250*	*3 Cr.*

**If student wants HIST 251, swap with Communications requirement*

Year 3

Spring Session 3

❑ **Communication Requirement**		*3 Cr.*
❑ **HVAC Service**	HVAC 230	*5 Cr.*
❑ **Elective(s)**	as needed to get to 60 credit hours	

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.