# Air Conditioning, Heating & Refrigeration: Courses

<u>Introduction/Overview</u> | Curriculum Requirements | <u>Student Learning Outcomes</u> | <u>Skills & Proficiencies</u> | <u>Instructor</u> | <u>Occupational Outlook</u>

### **Associate of Applied Science in Air Conditioning, Heating & Refrigeration**

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	First Semester			
Subject	Number	Title		Hours
HART	1407	Refrigeration Principles	4	
HART	1403	A/C Control Principals	4	
	<del></del>	Written Communication	3	
TECM	1341	Technical Algebra	3	
Semester Total: 14				
	Second	Semester		
Subject	Number	Title		Hours
HART	2445	Residential Air Conditioning Systems Design	4	
_	_	Social/Behavioral Science	3	
<del></del>	<del></del>	Natural Science	4	
<del></del>	<del></del>	Business Elective**	3	
Semester Total: 13	-14			
	Third S	Semester		
Subject	Number	Title		Hours
HART	1445	Gas and Electric Heating	4	
SPCH	<del></del>	Oral Communication	3	
<del></del>	<del></del>	Humanities/Fine Arts	3	
		Business Elective**	6	
Semester Total: 16				
Fourth Semester				
Subject	Number	Title		Hours
*HART	2436	Air Conditioning Troubleshooting	4	

BCIS	1305	Business Computer 3 Applications	
<del></del>	<del></del>	Business Elective** 3	
SOCI	2319	Multi-Cultural 3 Studies	
<del></del>	<del></del>	Academic Elective 3-4	

Semester Total: 16-17

**Total Semester Credit Hours for Degree – 60-61** 

## **Certificate of Completion in Air Conditioning, Heating, and Refrigeration**

#### **First Semester**

Subject	Number	Title	Hours
HART	1407	Refrigeration Principles	4
HART	1403	A/C Control Principals	4
HART	2445	Residential Air Conditioning Systems Design	4

Semester Total: 12

#### **Second Semester**

Subject	Number	Title		Hours
HART	1445	Gas and Electric Heating	4	
*HART	2436	Air Conditioning Troubleshooting	4	

Semester Total: 8

### **Total Semester Credit Hours for Degree – 20**

<sup>\*</sup>Capstone

<sup>\*\*</sup>Business elective must be chosen from BUSI, BMGT.