

**Associate in Applied Science  
General Technology  
Air Conditioning/Refrigeration (AAS.GT.GTACR 35318)**

**Total Credit Hours: 63  
Effective: Fall 2020**

**Completion Plan**

<b>First Semester</b>			
	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Recommended Terms</b>
*COL 101 College Orientation	1.0		
*BCT 105 Tool Usage and Safety	2.0	RDG 031	1 <sup>st</sup> 8 week - FA
*BCT 111 Blueprint Reading & Specs	3.0	RDG 031	1 <sup>st</sup> 8 week – FA
*BCT 221 Construction Building Codes	3.0	RDG 031	1 <sup>st</sup> 8 week – FA
*ACR-206 Advanced Electricity	2.0	RDG 031	1 <sup>st</sup> 8 week – FA
*ACR 150 Basic Sheet metal	2.0	RDG 031	2 <sup>nd</sup> 8 week - FA
*ACR 108 Refrigeration Fundamentals	3.0	RDG-031, ACR 206, BCT 105	2 <sup>nd</sup> 8 week - FA
<b>TOTAL</b>	<b>16.0</b>		
<b>Second Semester</b>			
	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Recommended Terms</b>
*ACR 110 Heating Fundamentals	4.0	RDG 031 or equivalent, Co-requisite ACR 206, BCT 105	1 <sup>st</sup> 8 week - SP
*ACR 120 Basic Air Conditioning	4.0	ACR 108 or equivalent	1 <sup>st</sup> 8 week - SP
*ACR 210 Heat Pumps	4.0	Pre-requisite or Co-requisite: ACR 120	4 <sup>nd</sup> 8 week - SP
*MAT 155 Contemporary Mathematics	3.0	MAT 033 or equivalent – minimum grade of C	1 <sup>st</sup> 8 week - SP
<b>TOTAL</b>	<b>15.0</b>		
<b>Third Semester</b>			
	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Recommended Terms</b>
*ACR 220 Advanced Air Conditioning	4.0	ACR 120	1 <sup>st</sup> 8 week - SU
*BCT 243 Energy Efficiency & Weatherization	3.0	RDG 031 or equivalent	1 <sup>st</sup> 8 week - SU
*ENG 155 Communications I	3.0	Co-requisite: ENG 032 or equivalent	1 <sup>st</sup> 8 week - SU
*BCT 230 Bidding, Contracts & Specifications(or BCT 159)	3.0		3 <sup>rd</sup> 4 week - SU
*EGR 110 Introduction to Computer Environment	3.0	RDG 031 or equivalent	3 <sup>rd</sup> 4 week - SU
<b>TOTAL</b>	<b>16</b>		

\* Courses in this program that require a minimum grade of “C.”

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<b>Fourth Semester</b>			
	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Recommended Terms</b>
HSS 205 Technology and Society	3.0	Co-requisite: ENG 032 or equivalent	1 <sup>st</sup> 8 week - FA
*BCT 106 Beginning Woodworking (or BCT 151)	2.0	RDG 031 or equivalent; Co-requisite BCT 105	1 <sup>st</sup> 8 week - FA
*BCT 206 Roof Construction (or BCT 157)	2.0	RDG 031 or equivalent; BCT 105, BCT 112	2 <sup>nd</sup> 8 week - FA
PSY 105 Personal/Interpersonal Psychology	3.0	Co-requisite: ENG 032 or equivalent	2 <sup>nd</sup> 8 week - FA
*BCT 139 Advanced Residential Wiring	3.0	RDG 031 or equivalent; BCT 105, BCT 112, ACR 206	2 <sup>nd</sup> 8 week - FA
*BCT 140 Commercial Wiring	3.0	RDG 031 or equivalent; BCT 105, BCT 112, ACR 206	2 <sup>nd</sup> 8 week - FA
<b>TOTAL</b>	<b>16.0</b>		
<b>Fifth Semester</b>			
	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Recommended Terms</b>
ECO-101 Basic Economics	3.0	ENG 032 or equivalent	4 <sup>th</sup> 8 week - SP
*BCT 151 Introduction to Plumbing (or BCT-106)	3.0	RDG 031 or equivalent	1 <sup>st</sup> 8 week - SP
*BCT 157 Residential/Commercial Codes (or BCT 206)	3.0		1 <sup>st</sup> 8 week - SP
*BCT 159 Plumbing Install and Repair (or BCT-230)	3.0	RDG 031 or equivalent; BCT 105, BCT 151	2 <sup>nd</sup> 8 week - SP
<b>TOTAL</b>	<b>12.0</b>		

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