

Entry: Fall, Winter, Spring, Summer

Catalog: 2023-2024

• **Associate of Applied Science - HVAC(AAS) 109 Credits**

**FIRST QUARTER**

COURSE	TITLE	CR
HVAC150	Intro to Tools & Fasteners	1
HVAC151	OSHA 30 Safety	4
HVAC152	First Aid/CPR	1
HVAC153	Basic Electricity, Magnetism	2
HVAC154	Types of Elctr Motors & Apps	4
HVAC155	Motor Controls & Trblshooting	3
	GEN ED - see advisor	5

**TOTAL CREDITS 20**

**SECOND QUARTER**

COURSE	TITLE	CR
HVAC156	Theory of Heat Oper Conditns	2
HVAC157	Intro Auto Controls Trblshtng	3
HVAC158	Intro. to Air Quality	3
HVAC159	Electric & Oil Heat	4
HVAC160	Gas & Hydronic Heat	3
	GEN ED - see advisor	5

**TOTAL CREDITS 20**

**THIRD QUARTER**

COURSE	TITLE	CR
HVAC161	Refrig, Oil Chem, Mngnt Rcvry	2
HVAC162	EPA608 Univ Leak Dtect Sys Ev	3
HVAC163	Tubing, Piping and Brazing	2
HVAC164	System Charging	4
HVAC165	Refrig System Components	5
	GEN ED - see advisor	5

**TOTAL CREDITS 21**

**FOURTH QUARTER**

COURSE	TITLE	CR
HVAC251	Load Calculations & Duct Design	4
HVAC260	Operating Conds Intro to Draft	4
	<b>Select Below:</b>	
WBAS101	Welding Basics	8
	<b>OR</b>	
HVAC206	Basic Metal Working	2
HVAC207	Basic Layout & Patterns	2
HVAC208	Fabrication Practices	2
HVAC209	Air Balance & Duct Sizing	2

**TOTAL CREDITS 16**

**FIFTH QUARTER**

COURSE	TITLE	CR
HVAC261	Special Refrigeration Systems	4
HVAC262	Heat Pump Sys & Geothermal	4
HVAC263	Domestic Appliances	4
HVAC264	Com Refrig Sys & Troubleshtng	4

**TOTAL CREDITS 16**

**SIXTH QUARTER**

COURSE	TITLE	CR
HVAC265	Comfort Psychos & Engy Audit	4
HVAC266	Troubleshooting	5
HVAC267	Chilled Water Systems	3
HVAC268	Op Maint Trblsht Chll Wtr Sys	4

**TOTAL CREDITS 16**

• **Certificate of Competency - HVAC (CoC) 101 Credits**

**FIRST QUARTER**

COURSE	TITLE	CR
HVAC150	Intro to Tools & Fasteners	1
HVAC151	OSHA 30 Safety	4
HVAC152	First Aid/CPR	1
HVAC153	Basic Electricity, Magnetism	2
HVAC154	Types of Elctr Motors & Apps	4
HVAC155	Motor Controls & Trblshooting	3
	GEN ED - Math or English	5

**TOTAL CREDITS 20**

**SECOND QUARTER**

COURSE	TITLE	CR
HVAC156	Theory of Heat Oper Conditns	2
HVAC157	Intro Auto Controls Trblshtng	3
HVAC158	Intro. to Air Quality	3
HVAC159	Electric & Oil Heat	4
HVAC160	Gas & Hydronic Heat	3
	GEN ED - Math or English	5

**TOTAL CREDITS 20**

**THIRD QUARTER**

COURSE	TITLE	CR
HVAC161	Refrig, Oil Chem, Mngnt Rcvry	2
HVAC162	EPA608 Univ Leak Dtect Sys Ev	3
HVAC163	Tubing, Piping and Brazing	2
HVAC164	System Charging	4
HVAC165	Refrig System Components	5

**TOTAL CREDITS 16**

**FOURTH QUARTER**

COURSE	TITLE	CR
HVAC251	Load Calculations & Duct Design	4
HVAC260	Operating Conds Intro to Draft	4
	<b>GEN ED - see advisor</b>	<b>5</b>

**TOTAL CREDITS 13**

**FIFTH QUARTER**

COURSE	TITLE	CR
HVAC261	Special Refrigeration Systems	4
HVAC262	Heat Pump Sys & Geothermal	4
HVAC263	Domestic Appliances	4
HVAC264	Com Refrig Sys & Troubleshtng	4

**TOTAL CREDITS 16**

**SIXTH QUARTER**

COURSE	TITLE	CR
HVAC265	Comfort Psychos & Engy Audit	4
HVAC266	Troubleshooting	5
HVAC267	Chilled Water Systems	3
HVAC268	Op Maint Trblsht Chll Wtr Sys	4

**TOTAL CREDITS 16**