

# HEATING, VENTILATION, AIR CONDITIONING, REFRIGERATION, CERTIFICATE OF PROFICIENCY (HVCR)

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## Part-Time Academic Plan

### Part-Time Evening Schedule

Certain HVA specific courses in the Heating, Ventilation, Air Conditioning, and Refrigeration, Certificate program rotate depending on the semester a student begins. Students who do not begin in a Fall semester when HVA 100 and HVA 200 are being offered should start with one or two classes from the list of "any semester" courses. Students with some HVA experience may also seek approval to begin with HVA 101 and HVA 103 by permission of the program director.

Students with advising questions should speak to the Director of Technical Education @ 610-325-2819.

Code	Title	Hours
<b>First Semester</b>		
<i>Offered Fall Only</i>		
HVA 100	Introduction to Heating, Ventilating, Air Conditioning and Refrigeration Electrical Fabrication	2
HVA 200	Advanced HVAC&R Electrical Fabrication	2
<b>Second Semester</b>		
<i>Offered Spring Only</i>		
HVA 101	Introduction to Refrigeration and Air Conditioning	2
HVA 103	Advanced Refrigeration and Air Conditioning	2
<b>Third Semester</b>		
HVA 201	Refrigerant Certification	3
Any Semester Course *		
<b>Fourth Semester</b>		
HVA 205	Oil and Gas Burner Service	3
Any Semester Course *		
<b>Fifth Semester</b>		
HVA 203	Heat Pump Systems	3
Any Semester Course *		
<b>Sixth Semester</b>		
Any Semester Course *		
Any Semester Course *		
<b>Any Semester *</b>		
HVA 104	Practical Problems in Mathematics for HVAC&R Technicians	3
HVA 106	Basic Piping for Contractors	2
HVA 109	HVAC Troubleshooting	3
TCS 100	Construction Blueprint Reading	3
TCS 105	Workplace Safety	2
<b>Total Hours</b>		<b>30</b>

\* **Any Semester Course** may be taken in any order.