ONE-YEAR CERTIFICATE

HEATING, VENTILATION, AIR CONDITIONING, AND REFRIGERATION TECHNOLOGY

The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.

2023-24 Catalog
Effective Summer 2023

4501

Businesss, Engineering, and Information Technologies Division *Industrial Technology Department*

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
HVC121	HVAC Principles I	3		
HVC122	HVAC Principles II	3	Pre-Co-HVC121	
HVC125	Sheet Metal Layout and Fabrication	4		
HVC223	HVAC System Operation and Troubleshooting – Heating	3	HVC122	
HVC224	HVAC System Operation and Troubleshooting – Cooling	3	HVC122	
HVC227	HVAC Field Installation Techniques and Procedures	4	Pre-Co-HVC122	
HVC234	HVAC Electrical Systems and Applications^	3		
	Total	**23**		

NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	*Take first semester*	
AIT101	Basic Machines^^	2	*Take first semester*	
MST126	Pipefitting Principles and Applications	3		
NON-TECH ELECTIVES: 2 *credit hours minimum (choose one)*				
CET121	Building Materials and Construction Methods	3		
ENV231	OSHA 30-Hour General Industry	2		
MST121	Blueprint Reading	2		
	Total	**8-9**		
	TOTAL CREDIT HOURS	**31-32**		

^Based on SSC placement scores
^^To promote student success, this course should be taken in the first semester

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PART-TIME STUDENT ADVISING NOTES

Academic Advising

Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

Course Sequence

The semester-by-semester listing below provides the normal scheduling option for students who plan to finish in four semesters.

First Semester		Credit Hours	Pre- and Co-requisite
SSC101	Student Success Seminar^^	1	*Take first semester*
AIT101	Basic Machines^^	2	*Take first semester*
HVC121	HVAC Principles I	3	
HVC122	HVAC Principles II	3	Pre-Co-HVC121
		9	
Second Semester			
MST126	Pipefitting Principles and Applications	3	
HVC227	HVAC Field Installation Techniques and Procedures	4	Pre-Co-HVC122
Non-Technical Elective[2]		2-3	
		9-10	
Third Semester			
HVC125	Sheet Metal Layout and Fabrication	4	
HVC234	HVAC Electrical Systems and Applications^	3	
		7	
Fourth Semester			
HVC223	HVAC System Operation and Troubleshooting – Heating	3	HVC122
HVC224	HVAC System Operation and Troubleshooting – Cooling	3	HVC122
		6	
	TOTAL CREDITS	**31-32**	

^Based on SSC placement scores

^^To promote student success, this course should be taken in the first semester

[2]Non-Technical Electives: CET121, ENV231, MST121