



MONTANA STATE UNIVERSITY-BILLINGS

HEATING, VENTILATION, AIR CONDITIONING, AND REFRIGERATION TECHNOLOGY  
ASSOCIATE OF APPLIED SCIENCE

ADVISING WORKSHEET GENERAL BULLETIN 2008-2009

College of Technology  
Advising Center  
Phone: 406-247-3018/3020  
Fax: 406-652-1729

Name \_\_\_\_\_

Student ID # \_\_\_\_\_

This program begins in the fall semester.

Before a student can be accepted into the HVACR Technician program, competency in math must be demonstrated. This may be done by:

- Receiving a passing score on the Compass Placement Test or current ACT/SAT scores in required range
- Transfer of appropriate credits
- Taking the necessary prerequisite math classes identified in this catalog (MATH 085 and/or MATH 101)

Course	Credits	Grade	Semester	Equivalent
<b>Preparatory Courses</b>				

**General Education Requirements**

COMT	109	Human Relations	3			
ENGL or	140	Business Writing	3			
ENGL	145	Technical Communication				
CMP	105	Introduction to Computers and Applications	3			
MATH	122	College Math for Technology	3			

**Required Courses**

DRFT	108	Introduction to CAD	3			
HVAC	110	Introduction to HVAC	4			
HVAC	111	Heating Fundamentals	2			
HVAC	125	Air Handling	3			
HVAC	135	Air Conditioning	2			
HVAC	175	HVAC Controls	4			
HVAC	182	Hydronics	2			
HVAC	200	Refrigeration Technicians EPA Certification Review	1			

HVAC	201	Advanced Refrigeration	3			
HVAC	203	Advanced Air Conditioning	2			
HVAC	210	Heat Pumps	2			
HVAC	212	Sheet Metal Technology and Blueprint Reading	2			
HVAC	231	Residential and Light Commercial Heating Ventilation Systems	3			
HVAC	242	Steam Systems	3			
HVAC	255	Advanced Controls	4			
HVAC	275	Capstone	1			
TRID	150	Environmental and Shop Practices	2			
TRID	151	Welding	2			
TRID	180	Electrical Systems	4			

**Required Restricted Electives chosen with faculty advisor – 6 to 9 credits required**


**TOTAL MINIMUM CREDITS REQUIRED 67**

*A grade of "C" or higher is mandatory in all required courses.*

***Suggested Plan of Study***

<b>First Semester</b>	<b>Credits</b>	<b>Second Semester</b>	<b>Credits</b>
CMP 105	3	DRFT 108	3
MATH 122	3	HVAC 111	2
HVAC 110	4	HVAC 125	3
HVAC 212	2	HVAC 135	2
TRID 150	2	HVAC 200	1
TRID 151	2	TRID 180	4
<b>TOTAL</b>	<b>16</b>	Elective	3
		<b>TOTAL</b>	<b>18</b>

<b>Third Semester</b>	<b>Credits</b>	<b>Fourth Semester</b>	<b>Credits</b>
COMT 109	3	ENGL 140/145	3
HVAC 175	4	HVAC 201	3
HVAC 182	2	HVAC 210	2
HVAC 203	2	HVAC 242	3
HVAC 231	3	HVAC 255	4
Elective	3	HVAC 275	1
<b>TOTAL</b>	<b>17</b>	Elective (optional)	2
		<b>TOTAL</b>	<b>16-18</b>