



**Program of Study**  
**Career Field: Industrial, Manufacturing, and Engineering Systems**  
**Career Cluster: Architecture and Construction**  
**Career Pathway: Construction**



**Mid Plains Community College**

DEGREE:  
 Heating, Ventilation, and Air Conditioning Technology  
<http://programs.mpcc.edu/HVAC.html>

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL ELECTIVES	PATHWAY ELECTIVE COURSES	EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES			
<b>HIGH SCHOOL</b>	9	English/Language Arts I	Algebra I	Physical Science	Geography	World Languages and Cultures Physical Education	Intro to the Built Environment  <i>Plus two from the following list:</i> Principles of Construction Applications in Construction Electricity in the Construction Industry Electricity-Comprehensive	<i>School Activities:</i> SkillsUSA, OPPD/NPPD Power Drive, FFA, Math Club, MATHCOUNTS  <i>Community Activities:</i> Connect with architects in your area, Do home repair projects, Learn about the history of the buildings in your community, Work with a contractor, Part-time employment available within this career cluster			
	10	English/Language Arts II	Geometry	Biology	World History	Health Education Information Technology Applications I Entrepreneurship					
	11	English/Language Arts III	Algebra II	Chemistry	American History	CAD (Computer Aided Drafting) Construction Drafting					
	12	English/Language Arts IV	Intro to Statistics Discrete Math Pre-Calc	Physics	American Government or Economics	Housing and Home Furnishings Manufacturing/Woodworking					
<b>MIDPLAINS COMMUNITY COLLEGE</b>		<b>COMMUNICATIONS</b>	<b>MATH</b>	<b>SCIENCE</b>	<b>SOCIAL SCI/ HUMANITIES</b>	<b>DEGREE REQUIREMENTS</b>	<b>MAJOR COURSES</b>				
	13 and 14	Basic Technical Communications	General Math B		Personal Finance		Safety	Electrical Theory and Lab	HVAC Basic Intern (3 to 8 Cr)	Sheetmetal Installation	Furnace Fundamentals and Lab
		Fund of Speech Communication					A/C Cycle Theory and Lab	A/C Controls Theory and Lab	A/C Applications Refrigerant/Reclaim and Lab	Heat Pumps Theory and Lab	7 hrs of Electives