



Program of Study

Career Field: Industrial, Manufacturing, and Engineering Systems

Career Cluster: Architecture and Construction

Career Pathway: Maintenance and Operations



Metropolitan Community College

DEGREE:

Industrial & Comm. Trades- Electrical/Mechanical Maintenance

http://www.mccneb.edu/catalog/programs/program_pages_grid.asp

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL ELECTIVES	PATHWAY ELECTIVE COURSES	EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES			
HIGH SCHOOL	9	English/Language Arts I	Algebra I	Physical Science	Geography	World Languages and Cultures Physical Education	Intro to Built Environment <i>Plus two from the following:</i> Principles of Maintenance Operations Restoration & Repair of Existing Structures	<i>School Activities:</i> FFA, SkillsUSA, OPPD/NPPD Power Drive, Math Club, Mathcounts <i>Community Activities:</i> Connect with architects Do home repair projects Work with a contractor Learn about history of buildings in your community Part-time job within career cluster Internship within 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 Principles of Construction					
	12	English/Language Arts IV	Intro to Statistics Discrete Math Pre-Calc	Physics	American Government or Economics	Principles of Design and Pre-Construction					
METROPOLITAN COMMUNITY COLLEGE		COMMUNICATIONS	MATH	SCIENCE	SOCIAL SCI/HUMANITIES	DEGREE REQUIREMENTS	MAJOR COURSES				
	13	Technical Writing	Applied Mathematics		Psychology for Everyday Living	Human Relations Skills	Industrial Safety and Health	Problem Solving	Mechanical Print Reading	Basic Electricity	Motor and Machine Controls
							Mechanical Power Systems	Hydraulics and Pneumatics	PLC I	PLC II	PLC Applications
	14	Oral and Written Reports					Information Systems and Literacy	Industrial Cutting Processes	GMAW (MIG) - Steel I	SMAW (stick) - Flat	AutoCAD Fundamentals
							NEC Code	Take 6 hrs of Electives			