



Program of Study
Career Field: Industrial, Manufacturing and Engineering Systems
Career Cluster: Manufacturing
Career Pathway: Production



Northeast Community College

DEGREE:
Welding

<http://www.northeast.edu/Degrees-and-Programs/Welding>

	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 Health Education Information Technology Applications I Entrepreneurship CAD (Computer Aided Drafting) Principles of Design Principles of Construction Housing and Home Furnishings	Into to Manufacturing/Mechatronics Manufacturing- Woods Manufacturing- Metals	<i>School Activities:</i> SkillsUSA, OPPD/NPPD Power Drive, FFA, Math Club, MATHCOUNTS <i>Community Activities:</i> Do home repair projects Learn about history of the buildings in your community Work with a contractor Part-time employment within career cluster			
	10	English/Language Arts II	Geometry	Biology	World History						
	11	English/Language Arts III	Algebra II	Chemistry or other science course	American History						
	12	English/Language Arts IV	Intro to Statistics Discrete Math Pre-Calc	Physics	American Government or Economics						
NORTHEAST COMMUNITY COLLEGE		COMMUNICATIONS	MATH	SCIENCE	SOCIAL SCI/HUMANITIES	DEGREE REQUIREMENTS	MAJOR COURSES				
	13	Career Composition	Applied Mathematics I				Introduction to Welding and Lab	Metallurgy I	Related Drafting	Shop Operations and Lab	Welding Specialties and Lab
							Metallurgy II	Blueprint Reading	First Aid		