



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



Central Community College

DEGREE:
 Welding Technology

<http://www.cccneb.edu/igsbase/igstemplate.cfm?SRC=SP&SRCN=programchart2&GnavID=20&Snavid=&TnavID=&cccProgramID=109&LS=&PS=&KS=>

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL ELECTIVES	PATHWAY ELECTIVE COURSES	EXTENDED LEARNING SCHOOL/COMMUNITY			
HIGH SCHOOL	9	English/Language Arts I	Algebra I	Physical Science	Geography	World Languages and Cultures Physical Education Health Education Entrepreneurship Information Technology App. I Automotive Mechanics Cabinetmaking Programming I Electronics Welding	Intro to Manufacturing/Mechatronics Manufacturing Woods Manufacturing Metals	<i>School Activities:</i> SkillsUSA, OPPD/NPPD Power Drive, FFA, Math Club, MATHCOUNTS <i>Community Activities:</i> Learn to repair machinery, Learn to use the latest tools for home repair, Tour a factory, Part time employment available within this career cluster, Internships available within this career cluster			
	10	English/Language Arts II	Geometry	Biology	World History						
	11	English/Language Arts III	Algebra II	Chemistry	American History						
	12	English/Language Arts IV	Intro to Statistics Discrete Math Pre-Calc	Physics	American Government or Economics						
CENTRAL COMMUNITY COLLEGE		COMMUNICATIONS	MATH/ SCIENCE	PERSONAL DEVELOPMENT	SOCIAL/ BEHAVIORAL SCIENCES	DEGREE REQUIREMENTS	MAJOR COURSES				
	13 and 14	Select 3 hours from the following: Applied Writing Efficient Reading Public Speaking Oral Comm	Select 3 hours from the following: Ecology Environmental Sci Occupational Math Technical Math Earth Science	College Foundations	Select 3 hours from the following: American Government Human Relations	10 hours of Advisor Approved Elective	Oxyacetylene Welding I	Cutting	Brazing & Braze Weld	Welding Repair & Troubleshooting	Shield Metal Arc Welding I
						2 hours of Student Electives	Shield Metal Arc Welding II	Gas Metal Arc Welding I	Gas Metal Arc Welding II	Gas Tungsten Arc Welding I	Gas Tungsten Arc Welding II
							Flux-Cored & Submerged Arc Welding	Metals	Layout & Assembly	Miscellaneous Welding Processes	Welding Codes & Standards
							Blueprint Read for Welders				