



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



Western Nebraska Community College

DEGREE:
 Welding Technology AOS

<http://www.wncc.net/programs/majors/WELD.html>

	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 Entrepreneurship Information Technology App. I Automotive Mechanics Cabinet Making Programming I Electronics Welding	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> Job shadow professionals, Learn to repair machinery, Tour a factory, Part-time employment available within this 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						
WNCC		COMMUNICATIONS	MATH	SCIENCE	SOCIAL SCI/HUMANITIES	DEGREE REQUIREMENTS	MAJOR COURSES				
	13	Business Communications	Business Math	1 Science Elective	Business Ethics	Career Development Capstone	Basic Gas Metal Arc Welding	Flux Cored Arc Welding	Basic Arc Welding	Oxy-acetylene Welding	First Aid
		Human Communications			Personal Finance		CPR	Gas Metal Arc Welding Pipe	Advanced Gas Metal Arc Welding of Pipe	Advanced Arc Welding	Gas Tungsten Arc Welding
14				Any ANTH, ECON, GEOG, HIST, POLS, PSYC or SOCI course		Blueprint Reading for Welders and Fitters	Pipe Welding Downhill	Arc Welding & Shop Fabrication	Gas Tungsten Arc Welding Pipe & Tubing		