



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



Central Community College

DEGREE:
 Industrial Technology

<http://www.cccneb.edu/igsbase/igstemplate.cfm?SRC=SP&SRCN=programchart2&GnavID=20&Snavid=&TnavID=&cccProgramID=106&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	ENDORSEMENT OPTION: SELECT 1	MAJOR COURSES				
	13 and 14	Select 3 hours from the following:	Select 3 hours from the following:	Select 3 hours from the following:	Select 3 hours from the following:	Computer Integrated Manufacturing	Concepts of Electronics I	Concepts of Electronics II	Fundamentals of Hydraulics	Fundamentals of Pneumatics	Fundamentals of Mechanical Systems
		Applied Writing Efficient Reading English Comp Public Speaking	Occupational Math Environmental Sci Business Math Technical Math	Applied Writing Efficient Reading Public Speaking Writing & Research Technical Comm	American Government Intro to Psychology Psychology of the Family	Electromechanical/ Mechatronics	Intro to Programmable Controls	Control Systems	3 hour Advisor Approved Elective		
						Industrial Maintenance Technician					