

# Cluster: Manufacturing

## Pathway: Production



### Nebraska Sample Personal Learning Plan

School Counseling	Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies	Nebraska Career Education Program of Study	Requirements & Electives	Extended Learning School/Community Activities		
<p><b>Preparing all student for lifelong learning, learning and living.</b></p> <ul style="list-style-type: none"> <li>• Career Development using NCE model</li> <li>• Academic/Career counseling</li> <li>• Assessments of interests, skills, college &amp; career readiness</li> <li>• Goal setting</li> <li>• Personal Learning Plans</li> <li>• Extended learning</li> <li>• Parental involvement</li> <li>• Programs of Study</li> <li>• Postsecondary credit</li> <li>• Seamless transitions to college &amp; careers</li> </ul>	MIDDLE SCHOOL	7	English 7	Math 7	Science 7	Social Studies 7	NCE C4C Curriculum for Careers Keyboarding Applications Computer Applications Exploring Industrial, Manufacturing, and Engineering Systems Technology Education	World Languages & Cultures Physical Education Health Education Exploration of Entrepreneurship	<p><b>School Activities:</b></p> <ul style="list-style-type: none"> <li>▶ SkillsUSA</li> <li>▶ OPPD/NPPD Power Drive</li> <li>▶ FFA</li> <li>▶ Math Club</li> <li>▶ MATHCOUNTS</li> </ul> <p><b>Community Activities:</b></p> <ul style="list-style-type: none"> <li>▶ Connect with manufacturing professionals</li> <li>▶ Learn to repair machinery</li> <li>▶ Learn to use the latest tools for home repair</li> <li>▶ Tour a factory</li> <li>▶ Join professional organizations in this career cluster</li> <li>▶ Part-time employment available within this career cluster</li> <li>▶ Internships available within this career cluster</li> </ul>		
		8	English 8	Math 8	Science 8	Social Studies 8					
	SECONDARY	9	English/ Language Arts I	Algebra I	Physical Science	Geography	Intro to Manufacturing/Mechatronics	<p><b>Plus two from the following:</b></p> Manufacturing - Woods Manufacturing - Metals Manufacturing - Welding Manufacturing - Advanced Welding		World Languages & Cultures Physical Education Health Education Information Technology Applications I Entrepreneurship Automotive Mechanics Cabinetmaking Programming I Electronics	
		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/Finite Math Pre-Calc	Physics	American Govt. or Economics					
	POSTSECONDARY	A sample of postsecondary courses that may be offered or required is provided as a guide. Required courses vary by postsecondary institution. As Nebraska develops stronger statewide connections between secondary and postsecondary, the options will be updated.									
		Year 13	English Composition English Literature	College Algebra	Chemistry Physics	American Govt. Psychology	Quality Assurance Concepts & Techniques Safety in the Workplace				
		Year 14	Speech/Oral Communication	Computer Applications	Biological Science Physical Science	American History Geography	Problem Solving & Teamwork				
		Year 15	Continue courses in area of specialization							Continue courses in area of specialization	
		Year 16	Continue courses in area of specialization							Complete Production Major (4-year degree program)	

This sample Personal Learning Plan is designed for continued use throughout the lifetime of the individual using it.