



**Program of Study**  
**Career Field: Industrial, Manufacturing, and Engineering Systems**  
**Career Cluster: Science, Technology, Engineering, and Mathematics**  
**Career Pathway: Science and Math**



**Western Nebraska Community College**

DEGREE:  
 Mathematics (AS.2701A)

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

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL ELECTIVES	PATHWAY ELECTIVE COURSES	EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES		
<b>HIGH SCHOOL</b>	9	English/Language Arts I	Algebra I	Biology	Geography	World Languages and Cultures Physical Education Health Education Entrepreneurship CAD (Computer Aided Drafting) Engineering Technology Industrial Technology Information Technology App. I	Schools may define their own program of study with a career focus and apply for approval	<i>School Activities:</i> SkillsUSA, OPPD/NPPD Power Drive, Math Club, Mathematic student competitions, Science Club, Science fairs  <i>Community Activities:</i> Part-time employment available within this career cluster, Participate in a summer Learn-in Adventure		
	10	English/Language Arts II	Geometry	Chemistry	World History					
	11	English/Language Arts III	Algebra II	Physics	American History					
	12	English/Language Arts IV	Intro to Statistics Discrete Math Pre-Calc	AP Science	American Government or Economics					
<b>WNCC</b>		<b>COMMUNICATIONS</b>	<b>MATH</b>	<b>SCIENCE</b>	<b>SOCIAL SCI/HUMANITIES</b>	<b>DEGREE REQUIRMENTS</b>	<b>MAJOR COURSES</b>			
	13	English Composition 1			2 ANTH, ECON, GEOG, HIST, POLS, PSYC or SOCI course	2 Physical Education class	Trigonometry	Calculus 1		
		English Composition 2				3 Elective Class				
	14	Human Communication		1 BIOS, CHEM or PHYS Lab Science	2 Humanities	5 Elective classes	Calculus 2	Calculus 3		
					Visual Basic					