



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



**Northeast Community College**

DEGREE:  
Biology

<http://www.northeast.edu/Degrees-and-Programs/Biology>

	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 Information Technology Applications I Entrepreneurship CAD (Computer Aided Drafting) Engineering Technology	Principles of Technology Principles of Engineering Intro to Engineering Design	<i>School Activities:</i> SkillsUSA, OPPD/NPPD Power Drive, Math Club, MATHCOUNTS, Science Club, Science Fairs  <i>Community Activities:</i> Participate in programs provided by the University of Nebraska: Engineers Week, Academy of Excellence, MESA Program. Part-time employment within career cluster			
	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>NORTHEAST COMMUNITY COLLEGE</b>		COMMUNICATIONS	MATH	SCIENCE	SOCIAL SCI/ HUMANITIES	DEGREE REQUIREMENTS	MAJOR COURSES				
	13	English Composition I	Algebra and Trigonometry				General Biology	General Chemistry	General Zoology	General Botany	General Chemistry II
		English Composition II	Analytic Geometry and Calculus I								
14	Fund of Communication	Microcomputer Applications		Principles of Macroeconomics		1 Approved Elective	Microbiology	Basic Sports Series	Introductory Physics	Introductory Physics II	
				Introduction to Sociology							