



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



**Southeast Community College**

DEGREE:  
 Land Surveying/Civil Engineering Technology  
<http://www.southeast.edu/programs/LSCE/default.aspx>

	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 & Cultures Physical Education Health Education Entrepreneurship CAD (Computer Aided Drafting) Engineering Technology Industrial Technology Information Technology Applications I	Principles of Engineering <i>or</i> Intro to Engineering Design  <i>Plus two from the following:</i> Computer Integrated Manufacturing Civil Engineering & Architecture Engineering Design & Development Aerospace Engineering Biotechnical Engineering	<i>School Activities:</i> SkillsUSA, OPPD/NPPD PowerDrive, Math Club, Discover Engineering Day, Science Club, Science Fairs  <i>Community Activities:</i> Participate in programs provided by the University of Nebraska: •Engineers Week •Academy of Excellence •MESA Program			
	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>SOUTHEAST COMMUNITY COLLEGE</b>		<b>COMMUNICATIONS</b>	<b>MATH/SCIENCE</b>	<b>SOCIAL SCI/HUMANITIES</b>	<b>COMPUTER TECHNOLOGY</b>	<b>FOCUS COURSES</b>					
	13 and 14	Public Speaking	Intermediate Algebra	General Anthropology	Microsoft Applications	Land Surveyors Math	Plane Surveying	Basic Civil CAD	Engineering Surveying	Civil CAD II	Earthworks Inspection
		Written Communications				Highway Plan Reading	Route and Construction Surveying	Concrete Inspection	Civil CAD III	Cooperative Education	Geodetic Surveying
						Principles of Land Development	Civil CAD IV	Boundary Control and Legal Principles	Civil CAD V	Advanced Land Development Desktop	Land Surveying Systems