



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:
 Nondestructive Testing Technology
<http://www.southeast.edu/programs/NDTT/default.aspx>

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL ELECTIVES	PATHWAY ELECTIVE COURSES	EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES			
HIGH SCHOOL	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						
SOUTHEAST COMMUNITY COLLEGE		COMMUNICATIONS	MATH/SCIENCE	SOCIAL SCI/HUMANITIES	DEGREE REQUIREMENTS	FOCUS COURSES					
	13 and 14	Fund of Human Communication	College Algebra	Interpersonal Relations	Microsoft Applications	Visual Inspection Methods	Manufacturing Processes	Welding Processes	Blueprint Reading & CAD	Electrical & Electronic Fundamentals	NDT Methods
		Written Communications	College Physics			Metallurgy	Liquid Penetrant	Ultrasonics I	Eddy Current I	Magnetic Particle	Radiography I
						Radiation Safety & Administration	NDTT Mathematics	Radiography II & Film Inspection	Eddy Current II	Ultrasonics II	Computer Applications in NDT
						Code Interpretation & Procedure					