



Program of Study
Career Field: Industrial, Manufacturing, and Engineering Systems
Career Cluster: Manufacturing
Career Pathway: Manufacturing Production Process Development



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	Physical Science	Geography	World Languages & Cultures Physical Education	Intro to Manufacturing/Mechatronics Manufacturing Woods Manufacturing Metals	<i>School Activities:</i> SkillsUSA, OPPD/NPPD Power Drive, FFA, Math Club, MATHCOUNTS <i>Community Activities:</i> Connect with manufacturing professionals, Learn to repair machinery, Learn to use the latest tools for home repair, Tour a factory, Part time employment available within this career cluster			
	10	English/Language Arts II	Geometry	Biology	World History	Health Education Information Technology Applications I Entrepreneurship					
	11	English/Language Arts III	Algebra II	Chemistry	American History	Automotive Mechanics Cabinetmaking Programming I					
	12	English/Language Arts IV	Intro to Statistics Discrete Math Pre-Calc	Physics	American Government or Economics	Electronics Welding					
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						