



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



Southeast Community College

DEGREE:

Machine Tool Technology

<http://www.southeast.edu/programs/MACH/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	REQUIRED COURSES				SELECT ONE FOCUS AREA	
	13 and 14	Public Speaking	Intermediate Algebra	Personal Finance	Microcomputer Applications	Orientation	Manufacturing Processes	Blueprint Reading & Drawing	Machine Tool Lab I	Machine Tool Lab II	Die Maker Focus
		Written Communications	Technical Physics			Materials of Industry	Machinery's Handbook	Computer Aided Drafting	Machine Tool Lab III	Basic CNC	Mold Maker Focus
			Applied Trigonometry			Applied Trigonometry	Machine Tool Lab IV	Advanced CNC	CNC Lathe	CAM	Tool and Die Maker Focus