

HIGH SCHOOL-TO-COLLEGE PATHWAY

PATHWAY: COMPUTER-INTEGRATED MACHINING					ASSOCIATE OF APPLIED SCIENCE DEGREE		
HIGH SCHOOL PLAN							
SECONDARY	GRADE	English	Math	Science	Social Studies	Required Courses or Recommended CTE Electives	Career and Technical Courses
	9	English I	Math I	Earth Science	World History	*Health/PE	Microsoft Word/PPT
						*PLTW Intro to Engineering Design	
	10	English II	Math II	Biology	Civics & Economics	PLTW Principles of Engineering	Microsoft Excel
	11	English III	Math III	Physics	US History I	MAC 111 Mach. Tech I	MAC 112 Mach. Tech II
	12	English IV	4 th Math Course	Elective	US History II	MAC 113 Mach. Tech III	PLTW CIM
Internship/Apprenticeship							
COMMUNITY COLLEGE PLAN							
Year 13							
POSTSECONDARY	Fall Semester	ACA 111 College Student Success	BPR 111 Print Reading	CIS 110 Intro to Computers	MAC 111 Machining Technology I	MAC 121 Intro to CNC	MAT 121 Algebra/Trigonometry I
	Spring Semester	BPR 121 Blueprint Reading: Mechan.	ENG 111 Writing & Inquiry OR ENG 110 Freshman Comp.	MAC 112 Machining Technology II	MAC 124 CNC Milling	MAC 151 Machining Calculations	MEC 110 Intro to CAD/CAM
	Summer Semester	MAC 113 Machining Technology III			MAC 122 CNC Turning		
	Year 14						
Fall Semester	ENG 114 Prof. Research & Report OR ENG 115 Oral Communication	MAC 152 Advanced Machining Calc	MAC 214 Machining Technology IV	MAC 222 Advanced CNC Turning	MEC 231 Comp-Aided Manuf. I		
Spring Semester	Humanities/Fine Arts Elective	ISC 112 Industrial Safety	MAC 224 Advanced CNC Milling	MEC 142 Physical Metallurgy	Social Science Elective		

REQUIRED CREDIT HOURS FOR DEGREE: 69

HOURS REMAINING TO COMPLETE DEGREE: 49

RED ARTICULATED CREDIT: 2 HOURS

Yellow Recommended CTE: 18 HOURS

OCCUPATIONS: Machinists, Computer-Controlled Machine Tool Operator, Drilling & Boring Machine Tool Setter, Grinding Machine Tool Setter, Milling Machine Setter.
AVERAGE SALARY: \$39,570

Upon completion of the pathway, the students will be awarded a **Certificate in Computer-Integrated Machining** from SCC.