SURRY COUNTY SCHOOLS
DOBSON, N.C.

HIGH SCHOOL-TO-COLLEGE PATHWAY

SURRY Community College

PATHWAY: COMPUTER-INTEGRATED MACHINING — **ASSOCIATE OF APPLIED SCIENCE DEGREE**

HIGH SCHOOL PLAN

	GRADE	English	Math	Science	Social Studies	*Required Courses or Recommended CTE Electives	Career and Technical Courses
SECONDARY	9	English I	Math I	Earth Science	World History	*Career Mgmt.	PLTW Intro to Engineering Design
						*Health/PE	Microsoft Word/PP
	10	English II	Math II	Biology	Civics & Economics	PLTW Prin. Of Engineering	Microsoft Excel/Access
						Drafting I	Drafting II Engineering
	11	English III	Math III	Physical Science	American History I	MAC 111 Mach. Tech I PLTW Computer Integrated Manufacturing	MAC 112 Mach. Tech II
	12	English IV	4th Math Course		American History II	MAC 113 Mach. Tech III	PLTW Engineering Design & Development
							Elective

COMMUNITY COLLEGE PLAN

POSTSECONDARY							
Year 13							
Fall Semester	ACA 111 College Student Success	BPR 111 Print Reading	CIS 111 Basic PC Lit	MAC 111 Machining Technology I	MAC 121 Intro to CNC	MAT 121 Algebra/Trigonometry I	
Spring Semester	BPR 121 Blueprint Reading: Mechhan.	ENG 111 Writing & Inquiry	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	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: 46
RED ARTICULATED CREDIT: 5 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.