

PROGRAM: Computer Integrated Machining AAS A50210 Advising Guide

FALL SEMESTER I					
8 Weeks Session 1	8 Weeks Session 2	16 Weeks Full Term	Course	Credit Hours	Program Notes
X			MAC-114 Introduction to Metrology <i>Co-Requisite: ENG-002 or ENG-025 and MAT-003 (P2 grade) or MAT-035</i>	2	Fall only
X			MAC-131 Blueprint Reading/Mach I	2	Fall only
		X	MAC-141 Machining Applications I <i>Co-Requisite: ENG-002 or ENG-025 and MAT-003 (P2 grade) or MAT-035, MAC-114 and MAC-131</i>	4	Fall only
		X	MAC-141A Machining Applications I Lab <i>Co-Requisite: MAC-114, MAC-131 and MAC-141</i>	2	Fall only
	X		MAC-151 Machining Calculation <i>Co-Requisite: ENG-002 or ENG-025 and MAT-003 (P2 grade) or MAT-035</i>	2	Fall only
	X		ENG-111 Writing & Inquiry <i>Pre-req ENG-002 or ENG-025; Co-req ENG-045 if needed</i>	3	

SPRING SEMESTER I					
8 Weeks Session 1	8 Weeks Session 2	16 Weeks Full Term	Course	Credit Hours	Program Notes
X			MAC-121 Intro to CNC	2	Spring only
X			MAC-122 CNC Turning <i>Pre-Requisite: MAC-121, MAC-141 and MAC-141A</i>	2	Spring only
		X	MAC-142 Machining Applications II <i>Pre-Requisite: MAC-141 and MAC-141A</i>	4	Spring only
		X	MAC-142A Machining Applications II Lab <i>Pre-Requisite: MAC-141 and MAC-141A</i> <i>Co-Requisite: MAC-142</i>	2	Spring only
	X		MAC-124 CNC Milling <i>Pre-Requisite: MAC-121, MAC-141 and MAC-141A</i>	2	Spring only
	X		MAT- 171 Algebra/Pre-Calc <i>Pre-req: MAT 003 (Grade P2) or MAT-035; co-req MAT-045P if needed</i>	4	

SUMMER SEMESTER					
8 Weeks	10 Weeks	Course	Credit Hours	Program Notes	
	X	MAC-143A Machining Applications III Lab <i>Pre-Requisite: MAC-141, MAC-141A, MAC-142 and MAC-142A</i>	2		
	X	Humanities/Fine Arts Elective	3		

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FALL SEMESTER II					
8 Weeks Session1	8 Weeks Session 2	16 Weeks Full Term	Course	Credit Hours	Program Notes
X			MEC-110 Introduction to CAD/CAM	2	Fall only
X			Social/Behavioral Science Elect	3	
X			MAC-132 Blueprint Reading/Mach II <i>Pre-Requisite: MAC-131</i>	2	
	X		COM-120 Intro to Interpersonal Comm	3	
	X		DFT-119 Basic CAD	2	Fall only
	X		MAC-229 CNC Programming	2	Fall only

SPRING SEMESTER II					
8 Weeks Session1	8 Weeks Session 2	16 Weeks Full Term	Course	Credit Hours	Program Notes
X			MAC-180 CNC Turn: Prog Set & Oper <i>Pre-Requisite: MAC-114, MAC-121, MAC-131and MAC-141 Co-Requisite: MAC-122</i>	4	Spring only
X			MAC-231 CAM: CNC Turning <i>Pre-Requisite: MAC-121, MAC-141, MAC-141A and MEC-110</i>	3	Spring only
X			MAC-248 Production Procedures <i>Pre-Requisite: MAC-131</i>	2	Spring only
	X		MAC-181 CNC Mill: Prog Set & Oper <i>Pre-Requisite: MAC-114, MAC-121, MAC-131and MAC-141 Co-Requisite: MAC-124</i>	4	Spring only
	X		MAC-232 CAM: CNC Milling <i>Pre-Requisite: MAC-121, MAC-141, MAC-141A and MEC-110</i>	3	Spring only