Career and Technical Education Pathway Program of Study

Corriculum Code: D50210P1 Curriculum Title Computer Integrated Machining (Diploma) Contact Person: Chert Silverman Email: cslwerman@forsythitecb.edu Phone (336) 734-7446 Created from state level approved Program of Study effective 2011FA; Chert Silverman, PDA GENERAL EDUCATION COURSES (certificate general education is optional) EOURS Profix/Num Part 12 Course Title 30 0 3 SHC MAT 120 2005*02 Geometry and Trigonometry 2 2 0 3 SHC COURS Profix/Num Part 11 1997*02 Machining Technology I 2 1 0 6 SHC MAC 111 1997*02 Blueprint Reading 1 2 0 2 SHC MAC 111 1997*02 Intro to CAD/CAM 1 2 0 2 SHC MEC 110 1997*02 Intro to CAD/CAM 1 2 0 2 SHC Total SHC for Courses: In Jan 2 SHC Course Prefix/Num Part 2 Industrial Specifications 1 2 0 2 SHC Course Prefix/Num Part 2 Industrial Specifications 1 0 0 1 SHC Course Prefix/Num Part 2 Industrial Specifications 1 0 0 1 SHC MAC 121 1997*02 Industrial Specifications 1 0 0 1 SHC	College Name	Forsyth Technical Community College (834)			Effective Term: Spring 2012							
Created from state level approved Program of Study effective 2011FA; Cheri Silverman, PDA	Curriculum Code: D50210P1		Curriculum Title	Computer-Integrated M	achining (Diploma)							
Course Prefix/Num	Contact Person:	ontact Person: Cheri Silverman		nan@forsythtech.edu	Phone (336) 734-7446							
Course Prefix/Num												
Course Prefix/Num	GENERAL EDUCATION COURSES (certificate general education is optional)											
MAT 120 2005*02 Geometry and Trigonometry 2 2 0 3 SHC				,								
Total SHC for General Education Courses: 6 SHC	ENG 115	1997*02 Or	ral Communication	3003	SHC							
Course Prefix/Num	MAT 120	2005*02 Ge	eometry and Trigonom	etry 2 2 0 3	SHC							
Course Prefix/Num	Total SHC for G	eneral Education Courses:	6] ѕнс								
BPR 111	CORE COURSES											
MAC 111	Course Pref	ix/Num Course Title										
MAC 112 2011*03 Machining Technology II 2 12 0 6 SHC MEC 110 1997*02 Intro to CAD/CAM 1 2 0 2 SHC Total SHC for Core Courses: Course Prefix/Num Print Page Prefix/Num Print P	BPR 111	1997*02 BI	ueprint Reading	1 2 0 2	SHC							
MEC 110 1997*02 Intro to CAD/CAM 12 0 2 SHC Total SHC for Core Courses: 16 SHC OTHER MAJOR COURSES Course Prefix/Num Course Title BPR 121 1997*02 Blueprint Reading: Mech 1 2 0 2 SHC CIS 113 2006*01 Computer Basics 0 2 0 1 SHC ISC 113 1997*02 Industrial Specifications 1 0 0 1 SHC MAC 121 1997*02 Intro to CNC 2 0 0 2 SHC MAC 122 1997*02 CNC Turning 1 3 0 2 SHC MAC 124 1997*02 CNC Milling 1 3 0 2 SHC MAC 151 1997*02 Machining Calculations 1 2 0 2 SHC MAC 222 2011*03 Advanced CNC Turning 1 3 0 2 SHC MAC 224 2011*03 Advanced CNC Milling 1 3 0 2 SHC MEC 142 1997*02 Physical Metallurgy 1 2 0 2 SHC Total SHC for Other Major Courses: Total SHC for Other Major Courses:	MAC 111	1997*02 M	achining Technology I	2 12 0	6 SHC							
Total SHC for Core Courses: 16 SHC OTHER MAJOR COURSES Course Prefix/Num Course Title BPR 121 1997*02 Blueprint Reading: Mech 1 2 0 2 SHC End of Street CIS 113 2006*01 Computer Basics 0 2 0 1 SHC ISC 113 1997*02 Industrial Specifications 1 0 0 1 SHC MAC 121 1997*02 Intro to CNC 2 0 0 2 SHC MAC 122 1997*02 CNC Turning 1 3 0 2 SHC MAC 124 1997*02 Machining Calculations 1 2 0 2 SHC MAC 151 1997*02 Machining Calculations 1 2 0 2 SHC MAC 222 2011*03 Advanced CNC Turning 1 3 0 2 SHC MAC 224 2011*03 Advanced CNC Milling 1 3 0 2 SHC Total SHC for Other Major Courses: 18 SHC OTHER REQUIRED COURSES Course Prefix/Num Course Title	MAC 112	2011*03 M	achining Technology I	<u>2 12 0</u>	6 SHC							
OTHER MAJOR COURSES Course Prefix/Num Course Title BPR 121 1997*02 Blueprint Reading: Mech 1 2 0 2 SHC CIS 113 2006*01 Computer Basics 0 2 0 1 SHC ISC 113 1997*02 Industrial Specifications 1 0 0 1 SHC MAC 121 1997*02 Intro to CNC 2 0 0 2 SHC MAC 122 1997*02 CNC Turning 1 3 0 2 SHC MAC 124 1997*02 CNC Milling 1 3 0 2 SHC MAC 151 1997*02 Machining Calculations 1 2 0 2 SHC MAC 222 2011*03 Advanced CNC Turning 1 3 0 2 SHC MAC 224 2011*03 Advanced CNC Milling 1 3 0 2 SHC MEC 142 1997*02 Physical Metallurgy 1 2 0 2 SHC Total SHC for Other Major Courses: Total SHC for Other Major Courses: Course Prefix/Num Course Title	MEC 110	1997*02 In	tro to CAD/CAM	1202	SHC							
Course Prefix/Num	Total SHC for Co	re Courses:	16	SHC								
BPR 121	OTHER MAJOR CO											
CIS 113 2006*01 Computer Basics 0 2 0 1		ix/Num Course Title										
ISC 113			<u> </u>									
MAC 121 1997*02 Intro to CNC 2 0 0 2 SHC MAC 122 1997*02 CNC Turning 1 3 0 2 SHC MAC 124 1997*02 CNC Milling 1 3 0 2 SHC MAC 151 1997*02 Machining Calculations 1 2 0 2 SHC MAC 222 2011*03 Advanced CNC Turning 1 3 0 2 SHC MAC 224 2011*03 Advanced CNC Milling 1 3 0 2 SHC MEC 142 1997*02 Physical Metallurgy 1 2 0 2 SHC Total SHC for Other Major Courses: Total SHC for Other Major Courses: Course Prefix/Num Course Title	CIS 113		-	0201	SHC							
MAC 122 1997*02 CNC Turning 1 3 0 2 SHC MAC 124 1997*02 CNC Milling 1 3 0 2 SHC MAC 151 1997*02 Machining Calculations 1 2 0 2 SHC MAC 222 2011*03 Advanced CNC Turning 1 3 0 2 SHC MAC 224 2011*03 Advanced CNC Milling 1 3 0 2 SHC MEC 142 1997*02 Physical Metallurgy 1 2 0 2 SHC Total SHC for Other Major Courses: Is SHC OTHER REQUIRED COURSES Course Prefix/Num Course Title			•	1001	SHC							
MAC 124 1997*02 CNC Milling 1 3 0 2 SHC MAC 151 1997*02 Machining Calculations 1 2 0 2 SHC MAC 222 2011*03 Advanced CNC Turning 1 3 0 2 SHC MAC 224 2011*03 Advanced CNC Milling 1 3 0 2 SHC MEC 142 1997*02 Physical Metallurgy 1 2 0 2 SHC Total SHC for Other Major Courses: OTHER REQUIRED COURSES Course Prefix/Num Course Title	MAC 121	1997*02 In	tro to CNC	2002	SHC							
MAC 151 1997*02 Machining Calculations 1 2 0 2 SHC MAC 222 2011*03 Advanced CNC Turning 1 3 0 2 SHC MAC 224 2011*03 Advanced CNC Milling 1 3 0 2 SHC MEC 142 1997*02 Physical Metallurgy 1 2 0 2 SHC Total SHC for Other Major Courses: OTHER REQUIRED COURSES Course Prefix/Num Course Title	MAC 122	1997*02 CI	NC Turning	1 3 0 2	SHC							
MAC 222 2011*03 Advanced CNC Turning 1 3 0 2 SHC MAC 224 2011*03 Advanced CNC Milling 1 3 0 2 SHC MEC 142 1997*02 Physical Metallurgy 1 2 0 2 SHC Total SHC for Other Major Courses: OTHER REQUIRED COURSES Course Prefix/Num Course Title	MAC 124	1997*02 CI	NC Milling	1302	SHC							
MAC 224 2011*03 Advanced CNC Milling 1 3 0 2 SHC MEC 142 1997*02 Physical Metallurgy 1 2 0 2 SHC Total SHC for Other Major Courses: 18 SHC OTHER REQUIRED COURSES Course Prefix/Num Course Title	MAC 151	1997*02 M	achining Calculations	1 2 0 2	SHC							
MEC 142 1997*02 Physical Metallurgy 1 2 0 2 SHC Total SHC for Other Major Courses: 18 SHC OTHER REQUIRED COURSES Course Prefix/Num Course Title	MAC 222	2011*03 A	dvanced CNC Turning	1 3 0 2	SHC							
Total SHC for Other Major Courses: OTHER REQUIRED COURSES Course Prefix/Num Course Title	MAC 224	2011*03 A	dvanced CNC Milling	1 3 0 2	SHC							
OTHER REQUIRED COURSES Course Prefix/Num Course Title	MEC 142	1997*02 Ph	nysical Metallurgy	1202	SHC							
Course Prefix/Num Course Title	Total SHC for Ot	her Major Courses:	18	SHC								
N/A SHC		ix/Num Course Title										
	N/A				SHC							
Total SHC for Other Required Courses: 0 SHC	Total SHC for Ot	her Required Courses:	0	SHC								
Total SHC for Program 40	Total SHC for Program											

By submitting and requesting approval for this Career and College Promise program of study, our college is verifying its capacity to teach all courses in the submitted program of study.

Dr. Gary M. Green, President Dr. Conley F. Winebarger, VP, Instructional Services Dr. Susan Q. Phelps, Dean, Educational Partnerships

NC Community College System Office Use Only

Career Technical Education Pathway Program of Study (POS) Checklist Effective Term: Spring 2012

Col	lege: Fors	yth Technical Cor	nmun	ity College (834)			
Pro	gram Title a	and Code: <u>C</u>	ompu	ter-Integrated Machining (Diploma) D50210P1			
1.	_	ready has State l IIPS or Catalog)		approval for the primary program.	▼ Yes	□ No	
2.	The POS i included.)	s either for a cer	te or diploma (AAS programs should <u>not</u> be	▼ Yes	□ No		
3. POS is in compliance with the current curriculum standard.						□ No	
4. The POS contains at least 12 hours from the Core.						□ No	
5.	If the POS general ed	▼ Yes	□ No	□ N/A			
6. The POS contains specific course requirements. (i.e. no picklists)						□ No	
7.	POS incluing the POS	des a statement v	▼ Yes	□ No			
Dis	approved o	Date	_ by	Program Coordinator			
Cor	ntact person	was notified on		Date with the following issue(s) to be r	esolved:		
Apj	proved on	12/5/11	by	Frank Scuiletti			
		Date	=	Program Coordinator			