

Career and Technical Education Pathway Program of Study

College Name Forsyth Technical Community College (834) Effective Term: **Spring 2012**
 Curriculum Code: D50210P1 Curriculum Title Computer-Integrated Machining (Diploma)
 Contact Person: Cheri Silverman Email: csilverman@forsythtech.edu Phone (336) 734-7446

Created from state level approved Program of Study effective 2011FA; Cheri Silverman, PDA

GENERAL EDUCATION COURSES (certificate general education is optional)			
Course Prefix/Num	Course Title		
<u>ENG 115</u>	<u>1997*02 Oral Communication</u>	<u>3 0 0 3</u>	SHC
<u>MAT 120</u>	<u>2005*02 Geometry and Trigonometry</u>	<u>2 2 0 3</u>	SHC
Total SHC for General Education Courses:		6	SHC
CORE COURSES			
Course Prefix/Num	Course Title		
<u>BPR 111</u>	<u>1997*02 Blueprint Reading</u>	<u>1 2 0 2</u>	SHC
<u>MAC 111</u>	<u>1997*02 Machining Technology I</u>	<u>2 12 0 6</u>	SHC
<u>MAC 112</u>	<u>2011*03 Machining Technology II</u>	<u>2 12 0 6</u>	SHC
<u>MEC 110</u>	<u>1997*02 Intro to CAD/CAM</u>	<u>1 2 0 2</u>	SHC
Total SHC for Core Courses:		16	SHC
OTHER MAJOR COURSES			
Course Prefix/Num	Course Title		
<u>BPR 121</u>	<u>1997*02 Blueprint Reading: Mech</u>	<u>1 2 0 2</u>	SHC
<u>CIS 113</u>	<u>2006*01 Computer Basics</u>	<u>0 2 0 1</u>	SHC
<u>ISC 113</u>	<u>1997*02 Industrial Specifications</u>	<u>1 0 0 1</u>	SHC
<u>MAC 121</u>	<u>1997*02 Intro to CNC</u>	<u>2 0 0 2</u>	SHC
<u>MAC 122</u>	<u>1997*02 CNC Turning</u>	<u>1 3 0 2</u>	SHC
<u>MAC 124</u>	<u>1997*02 CNC Milling</u>	<u>1 3 0 2</u>	SHC
<u>MAC 151</u>	<u>1997*02 Machining Calculations</u>	<u>1 2 0 2</u>	SHC
<u>MAC 222</u>	<u>2011*03 Advanced CNC Turning</u>	<u>1 3 0 2</u>	SHC
<u>MAC 224</u>	<u>2011*03 Advanced CNC Milling</u>	<u>1 3 0 2</u>	SHC
<u>MEC 142</u>	<u>1997*02 Physical Metallurgy</u>	<u>1 2 0 2</u>	SHC
Total SHC for Other Major Courses:		18	SHC
OTHER REQUIRED COURSES			
Course Prefix/Num	Course Title		
<u>N/A</u>			SHC
Total SHC for Other Required Courses:		0	SHC
Total SHC for Program		40	

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

College: Forsyth Technical Community College (834)

Program Title and Code: Computer-Integrated Machining (Diploma) D50210P1

- 1. College already has State Board approval for the primary program. (Verify in IIPS or Catalog) Yes No
- 2. The POS is either for a certificate or diploma (AAS programs should not be included.) Yes No
- 3. POS is in compliance with the current curriculum standard. Yes No
- 4. The POS contains at least 12 hours from the Core. Yes No
- 5. If the POS is a diploma, it contains a minimum of 6 semester hours of general education (3 semester hours must be in communications). Yes No N/A
- 6. The POS contains specific course requirements. (i.e. no picklists) Yes No
- 7. POS includes a statement verifying the college's capacity to teach all courses in the POS. Yes No

Disapproved on _____ by _____
Date Program Coordinator

Contact person was notified on _____ with the following issue(s) to be resolved:
Date

Approved on 12/5/11 by Frank Sculetta
Date Program Coordinator