



Program Completion Guide  
**COMPUTER-INTEGRATED MACHINING (DIPLOMA) (D50210)**  
**Machinist/CNC Operator**

Student Name: \_\_\_\_\_ ID #: \_\_\_\_\_ Date of Enrollment: \_\_\_\_\_

Advisor Name: \_\_\_\_\_ Contact Information: \_\_\_\_\_

**Note: Developmental coursework may be required. Please refer to the Developmental Education Guide for additional information.**

**A. Machining Technology Certificate (C50210M) Course Requirements 18 credit hours: Complete Section A.**

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
MAC 111 Machining Technology I*	6	1 <sup>st</sup> year – fall	None		
MAC 112 Machining Technology II* (Not required for CIM Certificate)	6	2 <sup>nd</sup> year – fall	Pre: MAC 111		
MAC 113 Machining Technology III (Not required for CIM Certificate)	6	2 <sup>nd</sup> year – spring	Pre: MAC 112		

**B. Computer-Integrated Machining Certificate (C50210) Course Requirements 12 credit hours: Complete Sections A and B.**

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
BPR 111 Blueprint Reading*	2	1 <sup>st</sup> year – fall	None		
MAC 122 CNC Turning*	2	1 <sup>st</sup> year – spring	Pre: MAC 111 or MEC 111		
MAC 124 CNC Milling	2	1 <sup>st</sup> year – spring	Pre: MAC 111 or MEC 111		

**C. Computer-Integrated Machining Diploma (D50210) Course Requirements 36 credit hours: Complete Sections A, B, and C.**

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
ACA 122 College Transfer Success	1	1 <sup>st</sup> year – fall	None		
ENG 102 Applied Communications II  or  ENG 111 Writing and Inquiry	3	1 <sup>st</sup> year – spring	None  Pre: ENG 011 Co: None		
MAC 151 Machining Calculations	2	1 <sup>st</sup> year – summer	None		
MEC 142 Physical Metallurgy  or WBL 111 Work-Based Learning I  and  WBL 115 Work-Based Learning I	2  1  1	1 <sup>st</sup> year – summer	Pre: MAC 111 or MEC 111  Pre: 9 or 14 SHC in the major core courses depending on program Co: WBL 115  Pre: 9 or 14 SHC in the major core courses depending on program Co: WBL 111		
BPR 121 Blueprint Reading: Mechanical	2	2 <sup>nd</sup> year – fall	Pre: BPR 111		



**Social/Behavioral Sciences Electives (3 credit hours)\*\* (Courses with the following prefixes will satisfy this requirement: ANT, ECO+, GEO, HIS, POL, PSY, and SOC) +Some business and accounting curricula require economics and do not accept ECO courses as fulfillment of this elective requirement.)**

Courses offered at RCC:  
ANT 220, HIS 111, HIS 112, HIS 131, HIS 132, PSY 150, PSY 241, SOC 210, SOC 213, SOC 240

Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
	2 <sup>nd</sup> year – spring		

**NOTES:** \*All courses must be completed with a grade of “C” or better.  
\*\*See course catalog for prerequisite and/or corequisite requirements.

**Students please read the following and sign below.**

I understand that as an RCC student, I am ultimately responsible for my schedule. I understand that I must complete each course with a grade of “C” or better and follow the established course sequence or my ability to graduate on time may be affected.

My advisor has information regarding other colleges and transfer opportunities that I can investigate after completing my degree/diploma/certificate, and I understand that if I would like more information I can schedule an appointment with him/her.

Student Name: \_\_\_\_\_ Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor Name: \_\_\_\_\_ Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student Name: \_\_\_\_\_ Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor Name: \_\_\_\_\_ Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student Name: \_\_\_\_\_ Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor Name: \_\_\_\_\_ Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student Name: \_\_\_\_\_ Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor Name: \_\_\_\_\_ Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_