



Program Completion Guide

**ASSOCIATE IN APPLIED SCIENCE - COMPUTER ENGINEERING TECHNOLOGY (A40160)**  
**Computer Engineering Technician**

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. Computer Engineering Technology Certificate (C40160) Course Requirement 18 Credit hours: Complete Section A.**

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
CIS 115 Introduction to Programming & Logic	3	1 <sup>st</sup> year - fall	Pre: MAT 003 or BSP 4003, ENG 002 or BSP 4002 or ENG 111		
CTS 120 Hardware/Software Support*	3	1 <sup>st</sup> year - fall	Pre: MAT 003 Tier 2 or BSP 4003 Tier 2, ENG 002 or BSP 4002 or ENG 111		
ELC 131 Circuit Analysis I*	4	1 <sup>st</sup> year - fall	Pre: MAT 003 Tier 2 or BSP 4003 Tier 2		
ELN 131 Analog Electronics*	4	1 <sup>st</sup> year - spring	Pre: ELC 131		
ELN 133 Digital Electronics*	4	1 <sup>st</sup> year - spring	Pre: ELC 112 or ELC 131		

**B. Computer Engineering Technology Associate in Applied Science Degree (A40160) Course Requirements 67 credit hours: Complete Sections A and B.**

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 111 Writing and Inquiry	3	1 <sup>st</sup> year - fall	Pre: ENG 002 or BSP 4002 Co: ACA 122, ENG 011		
MAT 171 Precalculus Algebra	4	1 <sup>st</sup> year - fall	Pre: MAT 003 Tier 3 or BSP 4003 Tier 3 Co: MAT 071 with MAT 003 Tier 2		
CTS 220 Advanced Hard/Software Support*	3	1 <sup>st</sup> year - spring	Pre: CTS 120		
COM 231 Public Speaking or ENG 112 Writing/Research in the Disciplines	3	1 <sup>st</sup> year - spring	Pre: ENG 002 or BSP 4002 or ENG 111 Pre: ENG 111		
MAT 172 Precalculus Trigonometry	4	1 <sup>st</sup> year - spring	Pre: MAT 171 with a grade of "C" or better.		
DFT 151 CAD I	3	2 <sup>nd</sup> year – fall	Pre: MAT 003 or BSP 4003, ENG 002 or BSP 4002 or ENG 111		
ELN 232 Introduction to Microprocessors*	4	2 <sup>nd</sup> year – fall	Pre: ELN 133		
ELN 260 Prog Logic Controllers	4	2 <sup>nd</sup> year – fall	Pre: ELC 112 or ELC 131		
NOS 120 Linux/Unix Singer User	3	2 <sup>nd</sup> year – fall	Pre: CTS 120		
ATR 112 Intro to Automation	3	2 <sup>nd</sup> year - spring	Pre: ELN 260		
CSC 153 C# Programming*	3	2 <sup>nd</sup> year – spring	Pre: CIS 115		
EGR 285 Design Project	2	2 <sup>nd</sup> year - spring	Pre: ELN 133, ELN 131, ELN 260		



or WBL 111 Work-Based Learning I	1		Pre: 9 or 14 SHC in the major core courses depending on program Co: WBL 115		
and WBL 115 Work-Based Learning Seminar I	1		Pre: 9 or 14 SHC in the major core courses depending on program Co: WBL 111		
NET 125 Introduction to Networks	3	2 <sup>nd</sup> year - spring	Pre: MAT 003 Tier 2 or BSP 4003 Tier 2, ENG 002 or ENG 111		

**Electives: (Must take one Humanities/Fine Arts and one Social/Behavioral Sciences elective from lists below unless a specific course is required above.)**

<b>Humanities/Fine Arts Electives (3 credit hours)** (Courses with the following prefixes will satisfy this requirement: ART, DRA, ENG (literature courses only), HUM, MUS, PHI, REL, and SPA (Intermediate Spanish I only).)</b>			
Courses offered at RCC: ART 111, DRA 111, ENG 131, ENG 231, ENG 232, MUS 110, PHI 240, REL 211, REL 212			
Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
	2 <sup>nd</sup> year - spring		

<b>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.)</b>			
Courses offered at RCC: ANT 220, HIS 111, HIS 112, HIS 131, HIS 132, PSY 150, PSY 241, SOC 210, SOC 213			
Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
	2 <sup>nd</sup> year - fall		

**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: \_\_\_\_\_

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