



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/<br>Corequisites   | Semester Registered/<br>Planned | Semester Completed/<br>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/<br>Corequisites  | Semester Registered/<br>Planned | Semester Completed/<br>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<br>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<br>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<br>or<br>ENG 112 Writing/Research in the Disciplines | 3   | 1 <sup>st</sup> year - spring | Pre: ENG 002 or BSP 4002 or ENG 111<br>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<br>WBL 111 Work-Based Learning I          | 1 |                               | Pre: 9 or 14 SHC in the major core courses depending on program<br>Co: WBL 115 |  |  |
| and<br>WBL 115 Work-Based Learning Seminar I | 1 |                               | Pre: 9 or 14 SHC in the major core courses depending on program<br>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:<br>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:<br>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: \_\_\_\_\_

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

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