Program Completion Guide
**ASSOCIATE IN APPLIED SCIENCE**
**INFORMATION TECHNOLOGY:  SOFTWARE AND WEB DEVELOPMENT (A25590C)**
**with COMPUTER PROGRAMMING SPECIALIST (C25590C2)**

**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.  Information Technology:  Computer Programming Specialist (Certificate) (C25590C2) Course Requirements 18 credit hours:  Complete Section A.**

| Courses | Cr. | Recommended Semester | Prerequisites/ Corequisites | Semester Registered/ Planned | Semester Completed/ Grade |
|---|---|---|---|---|---|
| CIS 115 Introduction to Programming and Logic | 3 | 1st year - fall | Pre:  MAT 003 Tier 2 or BSP 4003 Tier 2, ENG 002 or BSP 4002 or ENG 111 | | |
| CTI 110 Web, Pgm, & DB Foundation* | 3 | 1st year - fall | Pre:  MAT 003 Tier 2 or BSP 4003 Tier 2, ENG 002 or BSP 4002 or ENG 111 | | |
| CTI 120 Network & Sec Foundation* | 3 | 1st year - fall | Pre:  MAT 003 Tier 2 or BSP 4003 Tier 2, ENG 002 or BSP 4002 or ENG 111 | | |
| CSC 153 C# Programming* | 3 | 1st year - spring | Pre:  CIS 115 | | |
| WEB 140 Web Development Tools | 3 | 1st year - spring | Pre:  CTI 110 | | |
| CSC 151 JAVA Programming* | 3 | 2nd year - fall | Pre:  MAT 003 Tier 2 or BSP 4003 Tier 2, ENG 002 or BSP 4002 or ENG 111 | | |

**B.  Information Technology:  Software and Web Development (Diploma) (D25590C) Course Requirements 46 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 | 1st year - fall | None | | |
| CTS 120 Hardware/Software Support* | 3 | 1st year - fall | Pre:  MAT 003 Tier 2 or BSP 4003 Tier 2, ENG 002 or BSP 4002 or ENG 111 | | |
| CTS 115 Info Sys Business Concepts* | 3 | 1st year - spring | Pre:  MAT 003 Tier 2 or BSP 4003 Tier 2, ENG 002 or BSP 4002 or ENG 111 | | |
| NET 125 Introduction to Networks | 3 | 1st year - spring | Pre: MAT 003 Tier 2 or BSP 4003 Tier 2, ENG 002 or BSP 4002 or ENG 111 | | |
| ENG 111 Writing and Inquiry | 3 | 1st year - summer | Pre: ENG 011 | | |
| MAT 143 Quantitative Literacy | 3 | 1st year - summer | Pre: MAT 003 Tier 2 or BSP 4003 Tier 2 or MAT 043, ENG 002 or BSP 4002 or ENG 111 | | |
| COM 231 Public Speaking or | 3 | 2nd year - fall | None | | |

| Courses | Cr. | Recommended Semester | Prerequisites/Corequisites | Semester Registered/Planned | Semester Completed/Grade |
|---|---|---|---|---|---|
| ENG 112 Writing/Research in the Disciplines | | | Pre: ENG 111 | | |
| NOS 120 Linux/UNIX Single User | 3 | 2nd year - fall | Pre: CTS 120 or NOS 130 | | |
| DBA 120 Database Programming I* | 3 | 2nd year - fall | Pre: CTI 110 | | |
| WEB 141 Mobile Interface Design | 3 | 2nd year - fall | Pre: CTI 110 | | |
| WEB 250 Database Driven Websites | 3 | 2nd year - spring | Pre: CTI 110<br>Co: WEB 140 and DBA 110 or DBA 120 | | |

**C. Information Technology: Software and Web Development (A25590C) Course Requirements 64-65 credit hours: Complete Sections A, B, and C.**

| Courses | Cr. | Recommended Semester | Prerequisites/Corequisites | Semester Registered/Planned | Semester Completed/Grade |
|---|---|---|---|---|---|
| CTS 289 System Support Project<br><br>or<br><br>WBL 111 Work-Based Learning I<br><br>and<br><br>WBL 115 Work-Based Learning Seminar I | 3<br><br><br><br>1<br><br><br><br><br>1 | 2nd year - spring | Pre: CTI 110, CTI 120, CTS 115 and permission of IT lead instructor<br><br>Pre: 9 or 14 SHC in Major Core Courses depending on program<br>Co: WBL 115<br><br>Pre: 9 or 14 SHC in Major Core Courses depending on program<br>Co: WBL 111 | | |
| SEC 110 Security Concepts | 3 | 2nd year - spring | Pre: CTI 120 | | |

**Required Subject Area:**

| IT Software and Web Development Electives (Select 4 credit hours from the following courses) |
|---|
| ACC 115, ACC 120, BUS 110, BUS 115, BUS 125, BUS 137, BUS 139, BUS 230, BUS 260, CIS 110, CTS 130, CTS 155, DBA 110, ECO 251, ECO 252, HBI 110, HMT 110, HMT 210, MED 121, MKT 120, MKT 233, NOS 130, NOS 230, OST 136, OST 137, PMT 110, PMT 210, PMT 215, SEC 160, SPA 111,<br>**Note**: Only 3 SHC of SPA are allowed towards the Information Technology degree. |

| Course | Recommended Semester | Semester Registered/Planned | Semester Completed/Grade |
|---|---|---|---|
| | 2nd year - spring | | |

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

| 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). |
|---|
| Courses offered at RCC:<br>ART 111, ART 131, DRA 111, ENG 241, MUS 110, PHI 240, REL 211, REL 212 |

| Course | Recommended Semester | Semester Registered/Planned | Semester Completed/Grade |
|---|---|---|---|
| | 1st year - summer | | |

| 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:<br>ANT 220, HIS 121, HIS 122, HIS 131, HIS 132, HIS 236, POL 120, PSY 150, PSY 241, SOC 210, SOC 213 |

| Course | Recommended Semester | Semester Registered/Planned | Semester Completed/Grade |
|---|---|---|---|
| | 1st year - summer | | |

**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: _____