



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 | 1 st 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 | 1 st 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 | 1 st 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 | 1 st year - spring | Pre: CIS 115 | | |
| WEB 140 Web Development Tools | 3 | 1 st year - spring | Pre: CTI 110 | | |
| CSC 151 Java Programming* | 3 | 2 nd year - fall | Pre: CIS 115 | | |

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 | 1 st year - fall | None | | |
| CTS 120 Hardware/Software Support* | 3 | 1 st 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 | 1 st 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 | 1 st 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 | 1 st year - summer | Pre: ENG 002 or BSP 4002 Co: ACA 122, ENG 011 | | |
| MAT 143 Quantitative Literacy | 3 | 1 st year - summer | Pre: MAT 003 Tier 2 or BSP 4003 Tier 2, ENG 002 or BSP 4002 or ENG 111 Co: ACA 122, MAT 043 with MAT 003 | | |
| COM 231 Public Speaking or | 3 | 2 nd year - fall | Pre: ENG 002 or BSP 4002 or ENG 111 | | |



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|---|---|-------------------------------|--|--|--|
| ENG 112 Writing/Research in the Disciplines | | | Pre: ENG 111 | | |
| NOS 120 Linux/UNIX Single User | 3 | 2 nd year - fall | Pre: CTS 120 | | |
| DBA 120 Database Programming I* | 3 | 2 nd year - fall | Pre: CTI 110 | | |
| WEB 141 Mobile Interface Design | 3 | 2 nd year - fall | Pre: CTI 110 | | |
| WEB 250 Database Driven Websites | 3 | 2 nd year - spring | Pre: CTI 110 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 or WBL 111 Work-Based Learning I and WBL 115 Work-Based Learning Seminar I | 3 1 1 | 2 nd year - spring | Pre: CTI 110, CTI 120, CTS 115 and permission of IT lead instructor Pre: 9 or 14 SHC in Major Core Courses depending on program Co: WBL 115 Pre: 9 or 14 SHC in Major Core Courses depending on program Co: WBL 111 | | |
| SEC 110 Security Concepts | 3 | 2 nd 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, CHI 111, CIS 110, CIS 111, CTS 130, CTS 155, DBA 110, ECO 251, ECO 252, HBI 110, HMT 110, MKT 120, MKT 221, MKT 233, NOS 230, OST 136, OST 137, PMT 110, PMT 210, PMT 215, SEC 160, SPA 111, SPA 120. | | | |
| <i>Note: Only 3 SHC of SPA are allowed towards the Information Technology degree.</i> | | | |
| Course | Recommended Semester | Semester Registered/Planned | Semester Completed/Grade |
| | 2 nd 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: ART 111, ART 131, DRA 111, ENG 131, ENG 241, ENG 262, ENG 272, MUS 110, PHI 240, REL 211, REL 212 | | | |
| Course | Recommended Semester | Semester Registered/Planned | Semester Completed/Grade |
| | 1 st 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: 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 |
| | 1 st year - summer | | |



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: _____

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