



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: \_\_\_\_\_

**Section I: Developmental Courses (if needed)**

Courses	Scores	Cr.	Prerequisites/ Corequisites	Grade	Notes/Semester
DMA 010 Operations with Integers	<7 on DAP	1	Pre: None		
DMA 020 Fractions and Decimals	<7 on DAP	1	Pre: DMA 010		
DMA 030 Propor/Ratio/Rate/Percent	<7 on DAP	1	Pre: DMA 010-020		
DMA 040 Express/Lin Equat/Inequal	<7 on DAP	1	Pre: DMA 010-030 or MAT 060		
DMA 050 Graphs/Equations of Lines	<7 on DAP	1	Pre: DMA 010-040 or DMA 040 and MAT 060		
DMA 060 Polynomial/Quadratic Appl <i>(Required if taking MAT 171)</i>	<7 on DAP	1	Pre: DMA 010-050 or MAT 060 and MAT 070		
DMA 070 Rational Express/Equation <i>(Required if taking MAT 171)</i>		1	Pre: DMA 010-060 or MAT 060 and MAT 070		
DMA 080 Radical Express/Equations <i>(Required if taking MAT 171)</i>		1	Pre: DMA 010-070 or MAT 060 and MAT 070		
DRE 096 Integrated Reading and Writing	104-116	3	Pre: None Co: CIS 070		
DRE 097 Integrated Reading Writing II	117-135	3	Pre: DRE 096 Co: CIS 070		
DRE 098 Integrated Reading Writing III	136-150	3	Pre: DRE 097 Co: CIS 070		

**Section II:**

**A. Information Technology: Computer Programming Specialist (Certificate) (C25590C2) Course Requirements 18 credit hours:**  
**Complete Section I (as required) and Section II, A.**

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
CIS 115 Introduction to Programming and Logic	3	1 <sup>st</sup> year - fall	Pre: DMA 010-040 or MAT 070, DRE 097 Co: DRE 098		
CTI 110 Web, Pgm, & DB Foundation*	3	1 <sup>st</sup> year - fall	Pre: DMA 010-040 or MAT 070, DRE 097 Co: DRE 098		
CTI 120 Network & Sec Foundation*	3	1 <sup>st</sup> year - fall	Pre: DMA 010-040 or MAT 070, DRE 097 Co: DRE 098		
CSC 153 C# Programming*	3	1 <sup>st</sup> year - spring	Pre: CIS 115		
WEB 140 Web Development Tools	3	1 <sup>st</sup> year - spring	Pre: CTI 110		
CSC 151 Java Programming*	3	2 <sup>nd</sup> year - fall	Pre: CIS 115		

**B. Information Technology: Software and Web Development (Diploma) (D25590C) Course Requirements 46 credit hours: Complete Section I (as required), Section II, 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		
CTS 120 Hardware/Software Support*	3	1 <sup>st</sup> year - fall	Pre: DMA 010-040 or MAT 070, DRE 097 Co: DRE 098		



CTS 115 Info Sys Business Concepts*	3	1 <sup>st</sup> year - spring	Pre: DMA 010-040 or MAT 070, DRE 097 Co: DRE 098		
NET 125 Introduction to Networks	3	1 <sup>st</sup> year - spring	Pre: DMA 010-040 or MAT 070, DRE 097		
ENG 111 Writing and Inquiry	3	1 <sup>st</sup> year - summer	Pre: DRE 098 or ENG 090 and RED 090 Co: ACA 122		
MAT 143 Quantitative Literacy	3	1 <sup>st</sup> year - summer	Pre: DMA 010 – 050, DRE 098 Co: ACA 122		
COM 231 Public Speaking or ENG 112 Writing/Research in the Disciplines	3 3	2 <sup>nd</sup> year - fall	Pre: DRE 098 or ENG 090 and RED 090 Pre: ENG 111		
NOS 120 Linux/UNIX Single User	3	2 <sup>nd</sup> year - fall	Pre: CTS 120		
DBA 120 Database Programming I*	3	2 <sup>nd</sup> year - fall	Pre: CTI 110		
WEB 141 Mobile Interface Design	3	2 <sup>nd</sup> year - fall	Pre: CTI 110		
WEB 250 Database Driven Websites	3	2 <sup>nd</sup> year - spring	Pre: CTI 110 Co: WEB 140 and DBA 110 or DBA 120		

**C. Information Technology: Software and Web Development (A25590C) Course Requirements 65 credit hours: Complete Section I (as required), Section II, A, B, and C.**

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
CTS 289 System Support Project*	3	2 <sup>nd</sup> year - spring	Pre: CTI 110, CTI 120, CTS 115 and permission of IT lead instructor		
SEC 110 Security Concepts	3	2 <sup>nd</sup> year - spring	Pre: CTI 120		

**Required Subject Area:**

Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
<b>IT Software and Web Development Electives (Select 4 credit hours from the following courses)</b>			
ACC 115, ACC 120, BUS 110, BUS 115, BUS 125, BUS 137, BUS 139, BUS 230, 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.			
<b>Note:</b> Only 3 SHC of SPA are allowed towards the Information Technology degree.			
	any		
	any		

**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.)**

Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
<b>Humanities/Fine Arts Electives (3 credits)** 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, ART 131, DRA 111, ENG 131, ENG 241, ENG 262, ENG 272, MUS 110, PHI 240, REL 211, REL 212, SPA 211			
	1 <sup>st</sup> year - summer		

Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
<b>Social/Behavioral Sciences Electives (3 credits)** (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 121, HIS 122, HIS 131, HIS 132, HIS 236, PSY 150, PSY 241, SOC 210, SOC 213			
	1 <sup>st</sup> 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: \_\_\_\_\_

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

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

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