

## Information Technology (A25590)

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

### COURSE REQUIREMENTS

Richmond Community College provides day and evening course sequences for selected programs to enable students to better plan what courses to take to reach their educational goals. However, given the continued increase in the use of technology in instruction and increasing student demand for distance learning courses, the College may offer hybrid, online, web-based and information highway courses in place of traditional courses in any course sequence that is listed. Therefore, students should be aware of this possibility and prepare themselves to successfully function in a hybrid, online, web-based, or information highway course.

### IT – CYBER SECURITY (A25590A) COURSE REQUIREMENTS

				Class	Lab	Work/ Clinical	Credit
<b>A. General Education Courses</b>							
1. Required Courses							
ENG	111	Writing and Inquiry		3	0	0	3
COM	231	Public Speaking		3	0	0	3
or							
ENG	112	Writing/Research in the Disciplines		3	0	0	3
MAT	143	Quantitative Literacy		2	2	0	3
		Humanities/Fine Arts Elective*		3	0	0	3
		Social/Behavioral Sciences Elective*		3	0	0	3
<b>B. Major Courses</b>							
1. Core Courses							
<i>To receive a degree, diploma or certificate from RCC, a student must have a grade of "C" or better in all core courses for the program of study.</i>							
CTI	110	Web, Pgm, & DB Foundation		2	2	0	3
CTI	120	Network & Security Foundation		2	2	0	3
CTS	115	Info Sys Business Concepts		3	0	0	3

CTS	120	Hardware/Software Support	2	3	0	3
CTS	289	System Support Project	1	4	0	3
NET	125	Introduction to Networks	1	4	0	3
SEC	110	Security Concepts	2	2	0	3
SEC	160	Security Administration I	2	2	0	3
2. Other Major Courses						
CIS	115	Introduction to Programming Logic	2	3	0	3
CTS	220	Advanced Hard/Software Support	2	3	0	3
DBA	120	Database Programming I	2	2	0	3
NOS	120	Linux/UNIX Single User	2	2	0	3
NOS	130	Windows Single User	2	2	0	3
NOS	230	Windows Administration I	2	2	0	3
WEB	140	Web Development Tools	2	2	0	3
		IT Major Elective**	2-3	0-3	0	4
<b>C. Other Required Courses</b>						
ACA	122	College Transfer Success	0	2	0	1
<b>Total Credit Hours</b>					<b>65</b>	

\*Approved Electives are listed on the page before the Course Descriptions.

\*\*Approved Electives may be selected from courses listed below. Cyber Security students must choose a total of 4 credit hours from this list. Only 3 SCH of SPA are allowed towards the Information Technology degree:

ACC	115	College Accounting	3	2	0	4
ACC	120	Principles of Financial Accounting	3	2	0	4
BUS	110	Introduction to Business	3	0	0	3
BUS	115	Business Law I	3	0	0	3
BUS	125	Personal Finance	3	0	0	3
BUS	137	Principles of Management	3	0	0	3
BUS	139	Entrepreneurship I	3	0	0	3
BUS	230	Small Business Management	3	0	0	3
CHI	111	Elementary Chinese I	3	0	0	3
CIS	110	Introduction to Computers	2	2	0	3
CIS	111	Basic PC Literacy	1	2	0	2
CSC	151	Java Programming	2	3	0	3
CSC	153	C# Programming	2	3	0	3
CTS	130	Spreadsheet	2	2	0	3
CTS	155	Tech Support Functions	2	2	0	3
ECO	251	Principles of Microeconomics	3	0	0	3
ECO	252	Principles of Macroeconomics	3	0	0	3
HBI	110	Issues and Trends in HBI	3	0	0	3
HMT	110	Intro to Healthcare Management	3	0	0	3
MKT	120	Principles of Marketing	3	0	0	3
MKT	221	Consumer Behavior	3	0	0	3
MKT	223	Customer Service	3	0	0	3

OST	136	Word Processing	2	2	0	3
OST	137	Office Software Applications	2	2	0	3
PMT	110	Intro to Project Management	3	0	0	3
PMT	210	Project Management Issues	2	2	0	3
PMT	215	Project Management Leadership	3	0	0	3
SPA	111	Elementary Spanish I	3	0	0	3
SPA	120	Spanish for the Workplace	3	0	0	3
WEB	141	Mobile Interface Design	2	2	0	3
WEB	250	Database Driven Websites	2	2	0	3

**SEMESTER SCHEDULE  
IT – CYBER SECURITY (A25590A)**

			Class	Lab	Work/ Clinical	Credit
<b>First Year — Fall Semester</b>						
ACA	122	College Transfer Success	0	2	0	1
CIS	115	Introduction to Programming and Logic	2	3	0	3
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
			8	12	0	13
<b>First Year — Spring Semester</b>						
CTS	220	Advanced Hard/Software Support	2	3	0	3
NET	125	Introduction to Networks	1	4	0	3
NOS	130	Windows Single User	2	2	0	3
SEC	110	Security Concepts	2	2	0	3
			7	11	0	12
<b>First Year — Summer Semester</b>						
ENG	111	Writing and Inquiry	3	0	0	3
MAT	143	Quantitative Literacy	2	2	0	3
		Humanities/Fine Arts Elective*	3	0	0	3
		Social/Behavioral Sciences Elective*	3	0	0	3
			11	2	0	12
<b>Second Year — Fall Semester</b>						
COM	231	Public Speaking	3	0	0	3
	or					
ENG	112	Writing/Research in the Disciplines	3	0	0	3
DBA	120	Database Programming I	2	2	0	3
NOS	120	Linux/UNIX Single User	2	2	0	3
NOS	230	Windows Administration I	2	2	0	3
SEC	160	Security Administration I	2	2	0	3
			—	—	—	—

			11	8	0	15
<b>Second Year — Spring Semester</b>						
CTS	115	Info Sys Business Concepts	3	0	0	3
CTS	289	System Support Project	1	4	0	3
WEB	140	Web Development Tools	2	2	0	3
		IT Major Elective**	2-3	0-3	0	4
			6	6	0	13
<b>Total Credit Hours</b>					<b>65</b>	

\*Approved Electives are listed on the page before the Course Descriptions.

### IT – CYBER SECURITY (DIPLOMA) (D25590A) COURSE REQUIREMENTS

			Class	Lab	Work/ Clinical	Credit
ACA	122	College Transfer Success	0	2	0	1
COM	231	Public Speaking	3	0	0	3
		or				
ENG	112	Writing/Research in the Disciplines	3	0	0	3
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTI	120	Network & Security Foundation	2	2	0	3
CTS	115	Info Sys Business Concepts	3	0	0	3
CTS	120	Hardware/Software Support	2	3	0	3
CTS	220	Advanced Hard/Software Support	2	3	0	3
ENG	111	Writing and Inquiry	3	0	0	3
MAT	143	Quantitative Literacy	2	2	0	3
NET	125	Introduction to Networks	1	4	0	3
NOS	120	Linux/UNIX Single User	2	2	0	3
NOS	130	Windows Single User	2	2	0	3
NOS	230	Windows Administration I	2	2	0	3
SEC	110	Security Concepts	2	2	0	3
SEC	160	Security Administration I	2	2	0	3
WEB	140	Web Development Tools	2	2	0	3
<b>Total Credit Hours</b>					<b>46</b>	

### SEMESTER SCHEDULE

#### IT – CYBER SECURITY TECHNICIAN (CERTIFICATE) (C25590A1)

			Class	Lab	Work/ Clinical	Credit
<b>First Year — Fall Semester</b>						
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3

CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
			—	—	—	—
			6	7	0	9
<b>First Year — Spring Semester</b>						
NET	125	Introduction to Networks	1	4	0	3
SEC	110	Security Concepts	2	2	0	3
			—	—	—	—
			3	6	0	6
<b>First Year — Summer Semester</b>						
SEC	160	Security Administration I	2	2	0	3
			—	—	—	—
			2	2	0	3
<b>Total Credit Hours</b>					<b>18</b>	

**SEMESTER SCHEDULE**  
**IT – SECURITY+ PREP (CERTIFICATE) (C25590A2)**

			Work/			
			Class	Lab	Clinical	Credit
<b>First Year — Fall Semester</b>						
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
			—	—	—	—
			6	7	0	9
<b>First Year — Spring Semester</b>						
SEC	110	Security Concepts	2	2	0	3
			—	—	—	—
			2	2	0	3
<b>Total Credit Hours</b>					<b>12</b>	

*Note: Security+ Prep (C25590A2) is a subset of the Cyber Security Technician (C25590A1) certificate. Students using financial aid should enroll in Cyber Security Technician (C25590A1).*

Program Completion Guide  
**ASSOCIATE IN APPLIED SCIENCE**  
**INFORMATION TECHNOLOGY: CYBER SECURITY (A25590A)**

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 (Required if taking MAT 171)	<7 on DAP	1	Pre: DMA 010-050 or MAT 060 and MAT 070		
DMA 070 Rational Express/Equation (Required if taking MAT 171)		1	Pre: DMA 010-060 or MAT 060 and MAT 070		
DMA 080 Radical Express/Equations (Required if taking MAT 171)		1	Pre: DMA 010-070 or MAT 060 and MAT 070		
DRE 096 Integrated Reading and Writing	104-116	3	Pre: None		
DRE 097 Integrated Reading Writing II	117-135	3	Pre: DRE 096		
DRE 098 Integrated Reading Writing III	136-150	3	Pre: DRE 097		

**Section II:**

- A. Information Technology: Security+ Prep (Certificate) (C25590A2) Course Requirements 12 credit hours: Complete Section I (as required) and Section II, A.** Note: Security+ Prep (C25590A2) is a subset of the Cyber Security Technician (C25590A1) certificate. Students using financial aid should enroll in Cyber Security Technician (C25590A1).

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
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		
CTS 120 Hardware/Software Support*	3	1 <sup>st</sup> year - fall	Pre: DMA 010-040 or MAT 070, DRE 097 Co: DRE 098		
SEC 110 Security Concepts*	3	1 <sup>st</sup> year - spring	Pre: CTI 120		

- B. Information Technology: Cyber Security Technician (Certificate) (C25590A1) Course Requirements 18 credit hours: Complete Section I (as required), Section II, A, and B.**

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
NET 125 Introduction to Networks*	3	1 <sup>st</sup> year - spring	Pre: DMA 010-040 or MAT 070, DRE 097		
SEC 160 Security Administration I*	3	2 <sup>nd</sup> year - fall	Pre: SEC 110		

- C. Information Technology: Cyber Security (Diploma) (D25590A) Course Requirements 46 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
ACA 122 College Transfer Success	1	1 <sup>st</sup> year - fall	None		
CTS 220 Adv Hard/Software Support	3	1 <sup>st</sup> year - spring	Pre: CTS 120		
NOS 130 Windows Single User	3	1 <sup>st</sup> year - spring	Pre: CTS 120		
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	2 <sup>nd</sup> year - fall	Pre: DRE 098 or ENG 090 and RED 090		
	3		Pre: ENG 111		
NOS 120 Linux/UNIX Single User	3	2 <sup>nd</sup> year - fall	Pre: CTS 120		
NOS 230 Windows Administration I	3	2 <sup>nd</sup> year - fall	Pre: NOS 130		
CTS 115 Info Sys Business Concepts*	3	2 <sup>nd</sup> year - spring	Pre: DMA 010-040 or MAT 070, DRE 097 Co: DRE 098		
WEB 140 Web Development Tools	3	2 <sup>nd</sup> year - spring	Pre: CTI 110		

**D. Information Technology: Cyber Security (A25590A) Course Requirements 65 credit hours: Complete Section I (as required), Section II, A, B, C, and D.**

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		
DBA 120 Database Programming I	3	2 <sup>nd</sup> year - fall	Pre: CTI 110		
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		

**Required Subject Area:**

Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
<b>IT Cyber Security 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, CSC 151, CSC 153, CTS 130, CTS 155, DBA 120, ECO 251, ECO 252, HBI 110, HMT 110, MKT 120, MKT 221, MKT 233, OST 136, OST 137, PMT 110, PMT 210, PMT 215, SPA 111, SPA 120, WEB 141, WEB 250.			
<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: _____
Student Name: _____	Student Signature: _____	Date: _____
Advisor Name: _____	Advisor Signature: _____	Date: _____
Student Name: _____	Student Signature: _____	Date: _____
Advisor Name: _____	Advisor Signature: _____	Date: _____



## IT – INFORMATION TECHNOLOGY SUPPORT (A25590B) COURSE REQUIREMENTS

			Class	Lab	Work/ Clinical	Credit
<b>A. General Education Courses</b>						
1. Required Courses						
ENG	111	Writing and Inquiry	3	0	0	3
COM	231	Public Speaking	3	0	0	3
or						
ENG	112	Writing/Research in the Disciplines	3	0	0	3
MAT	143	Quantitative Literacy	2	2	0	3
		Humanities/Fine Arts Elective*	3	0	0	3
		Social/Behavioral Sciences Elective*	3	0	0	3
<b>B. Major Courses</b>						
1. Core Courses						
<i>To receive a degree, diploma or certificate from RCC, a student must have a grade of "C" or better in all core courses for the program of study.</i>						
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTI	120	Network & Security Foundation	2	2	0	3
CTS	115	Info Sys Business Concepts	3	0	0	3
CTS	120	Hardware/Software Support	2	3	0	3
CTS	155	Tech Support Functions	2	2	0	3
CTS	220	Advanced Hard/Software Support	2	3	0	3
CTS	289	System Support Project	1	4	0	3
SEC	110	Security Concepts	2	2	0	3
2. Other Major Courses						
CIS	110	Introduction to Computers	2	2	0	3
DBA	110	Database Concepts	2	3	0	3
NET	125	Introduction to Networks	1	4	0	3
NOS	120	Linux/UNIX Single User	2	2	0	3
NOS	130	Windows Single User	2	2	0	3
NOS	230	Windows Administration I	2	2	0	3
PMT	110	Intro to Project Management	3	0	0	3
		IT Major Elective**	2-3	0-3	0	4
<b>C. Other Required Courses</b>						
ACA	122	College Transfer Success	0	2	0	1
<b>Total Credit Hours</b>					<b>65</b>	

\*Approved Electives are listed on the page before the Course Descriptions.

\*\*Approved Electives may be selected from courses listed below. IT Support students must choose a total of 4 credit hours from this list. Only 3 SCH of SPA are allowed towards the Information Technology degree:

ACC	115	College Accounting	3	2	0	4
ACC	120	Principles of Financial Accounting	3	2	0	4
BUS	110	Introduction to Business	3	0	0	3

BUS	115	Business Law I	3	0	0	3
BUS	125	Personal Finance	3	0	0	3
BUS	137	Principles of Management	3	0	0	3
BUS	139	Entrepreneurship I	3	0	0	3
BUS	230	Small Business Management	3	0	0	3
CHI	111	Elementary Chinese I	3	0	0	3
CIS	115	Introduction to Programming and Logic	2	3	0	3
CSC	151	Java Programming	2	3	0	3
CSC	153	C# Programming	2	3	0	3
CTS	130	Spreadsheet	2	2	0	3
DBA	120	Database Programming I	2	2	0	3
ECO	251	Principles of Microeconomics	3	0	0	3
ECO	252	Principles of Macroeconomics	3	0	0	3
HBI	110	Issues and Trends in HBI	3	0	0	3
HMT	110	Intro to Healthcare Management	3	0	0	3
MKT	120	Principles of Marketing	3	0	0	3
MKT	221	Consumer Behavior	3	0	0	3
MKT	223	Customer Service	3	0	0	3
OST	137	Office Software Applications	2	2	0	3
PMT	210	Project Management Issues	2	2	0	3
PMT	215	Project Management Leadership	3	0	0	3
SEC	160	Security Administration I	2	2	0	3
SPA	111	Elementary Spanish I	3	0	0	3
SPA	120	Spanish for the Workplace	3	0	0	3
WEB	140	Web Development Tools	2	2	0	3
WEB	141	Mobile Interface Design	2	2	0	3
WEB	250	Database Driven Websites	2	2	0	3

### SEMESTER SCHEDULE

#### IT – INFORMATION TECHNOLOGY SUPPORT (A25590B)

			Work/			
			Class	Lab	Clinical	Credit
<b>First Year — Fall Semester</b>						
ACA	122	College Transfer Success	0	2	0	1
CIS	110	Introduction to Computers	2	2	0	3
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
			8	11	0	13
<b>First Year — Spring Semester</b>						
CTS	220	Advanced Hard/Software Support	2	3	0	3
NET	125	Introduction to Networks	1	4	0	3
NOS	130	Windows Single User	2	2	0	3
SEC	110	Security Concepts	2	2	0	3

			7	11	0	12
<b>First Year — Summer Semester</b>						
ENG	111	Writing and Inquiry	3	0	0	3
MAT	143	Quantitative Literacy	2	2	0	3
		Humanities/Fine Arts Elective*	3	0	0	3
		Social/Behavioral Sciences Elective*	3	0	0	3
			11	2	0	12
<b>Second Year — Fall Semester</b>						
COM	231	Public Speaking	3	0	0	3
		or				
ENG	112	Writing/Research in the Disciplines	3	0	0	3
CTS	155	Tech Support Functions	2	2	0	3
NOS	120	Linux/UNIX Single User	2	2	0	3
NOS	230	Windows Administration I	2	2	0	3
PMT	110	Intro to Project Management	3	0	0	3
			12	6	0	15
<b>Second Year — Spring Semester</b>						
CTS	115	Info Sys Business Concepts	3	0	0	3
CTS	289	System Support Project	1	4	0	3
DBA	110	Database Concepts	2	3	0	3
		IT Major Elective**	2-3	0-3	0	4
			6	7	0	13
<b>Total Credit Hours</b>					<b>65</b>	

\*Approved Electives are listed on the page before the Course Descriptions.

### IT – IT SUPPORT (DIPLOMA) (D25590B) COURSE REQUIREMENTS

			Class	Lab	Work/ Clinical	Credit
ACA	122	College Transfer Success	0	2	0	1
CIS	110	Introduction to Computers	2	2	0	3
COM	231	Public Speaking	3	0	0	3
		or				
ENG	112	Writing/Research in the Disciplines	3	0	0	3
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTI	120	Network & Security Foundation	2	2	0	3
CTS	115	Info Sys Business Concepts	3	0	0	3
CTS	120	Hardware/Software Support	2	3	0	3
CTS	155	Tech Support Functions	2	2	0	3

CTS	220	Advanced Hard/Software Support	2	3	0	3
ENG	111	Writing and Inquiry	3	0	0	3
MAT	143	Quantitative Literacy	2	2	0	3
NET	125	Introduction to Networks	1	4	0	3
NOS	120	Linux/UNIX Single User	2	2	0	3
NOS	130	Windows Single User	2	2	0	3
NOS	230	Windows Administration I	2	2	0	3
SEC	110	Security Concepts	2	2	0	3
<b>Total Credit Hours</b>					<b>46</b>	

**SEMESTER SCHEDULE**  
**IT – ENTRY LEVEL COMPUTER TECHNICIAN (CERTIFICATE)**  
**(C25590B1)**

			Class	Lab	Work/ Clinical	Credit
<b>First Year — Fall Semester</b>						
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
			6	7	0	9
<b>First Year — Spring Semester</b>						
CTS	220	Advanced Hard/Software Support	2	3	0	3
NET	125	Introduction to Networks	1	4	0	3
NOS	130	Windows Single User	2	2	0	3
			5	9	0	9
<b>Total Credit Hours</b>					<b>18</b>	

**SEMESTER SCHEDULE**  
**IT – A+ PREP (CERTIFICATE) (C25590B2)**

			Class	Lab	Work/ Clinical	Credit
<b>First Year — Fall Semester</b>						
CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
			4	5	0	6
<b>First Year — Spring Semester</b>						
CTS	220	Advanced Hard/Software Support	2	3	0	3
NOS	130	Windows Single User	2	2	0	3
			—	—	—	—

4 5 0 6

**Total Credit Hours**

**12**

*Note: A+ Prep (C25590B2) is a subset of the Entry Level Computer Technician (C25590B1) certificate. Students using financial aid should enroll in Entry Level Computer Technician (C25590B1).*

Program Completion Guide  
**ASSOCIATE IN APPLIED SCIENCE**  
**INFORMATION TECHNOLOGY – IT SUPPORT (A25590B)**

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 (Required if taking MAT 171)	<7 on DAP	1	Pre: DMA 010-050 or MAT 060 and MAT 070		
DMA 070 Rational Express/Equation (Required if taking MAT 171)		1	Pre: DMA 010-060 or MAT 060 and MAT 070		
DMA 080 Radical Express/Equations (Required if taking MAT 171)		1	Pre: DMA 010-070 or MAT 060 and MAT 070		
DRE 096 Integrated Reading and Writing	104-116	3	Pre: None		
DRE 097 Integrated Reading Writing II	117-135	3	Pre: DRE 096		
DRE 098 Integrated Reading Writing III	136-150	3	Pre: DRE 097		

**Section II:**

- A. Information Technology: A+ Prep (Certificate) (C25590B2) Course Requirements 12 credit hours: Complete Section I (as required) and Section II, A.** Note: A+ Prep (C25590B2) is a subset of the Entry Level Computer Technician (C25590B1) certificate. Students using financial aid should enroll in Entry Level Computer Technician (C25590B1).

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
CTI 120 Network & Sec Foundation*	3	1 <sup>st</sup> year - fall	Pre: DMA 010-040 or MAT 070, DRE 097 Co: DRE 098		
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 220 Adv Hard/Software Support*	3	1 <sup>st</sup> year - spring	Pre: CTS 120		
NOS 130 Windows Single User	3	1 <sup>st</sup> year - spring	Pre: CTS 120		

- B. Information Technology: Entry Level Computer Technician (Certificate) (C25590B1) Course Requirements 18 credit hours: Complete Section I (as required), Section II, A, and B.**

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
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		
NET 125 Introduction to Networks	3	1 <sup>st</sup> year - spring	Pre: DMA 010-040 or MAT 070, DRE 097		

- C. Information Technology: IT Support (Diploma) (D25590B) Course Requirements 46 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
ACA 122 College Transfer Success	1	1 <sup>st</sup> year - fall	None		
CIS 110 Introduction to Computers	3	1 <sup>st</sup> year - fall	Pre: DRE 097 Co: DRE 098		
SEC 110 Security Concepts*	3	1 <sup>st</sup> year - spring	Pre: CTI 120		

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	2 <sup>nd</sup> year - fall	Pre: DRE 098 or ENG 090 and RED 090		
	3		Pre: ENG 111		
CTS 155 Tech Support Functions*	3	2 <sup>nd</sup> year - fall	Pre: CTI 120, DMA 010-040 or MAT 070, DRE 097 Co: DRE 098		
NOS 120 Linux/UNIX Single User	3	2 <sup>nd</sup> year - fall	Pre: CTS 120		
NOS 230 Windows Administration I	3	2 <sup>nd</sup> year - fall	Pre: NOS 130		
PMT 110 Intro to Project Mgmt	3	2 <sup>nd</sup> year - fall	None		
CTS 115 Info Sys Business Concepts*	3	2 <sup>nd</sup> year - spring	Pre: DMA 010-040 or MAT 070, DRE 097 Co: DRE 098		

**D. Information Technology: IT Support (A25590B) Course Requirements 65 credit hours: Complete Section I (as required), Section II, A, B, C, and D.**

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
DBA 110 Database Concepts	3	2 <sup>nd</sup> year - spring	Pre: CIS 111, CIS 110, CTI 110, or OST 136		
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		

**Required Subject Area:**

**IT Tech Support 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, CHI 111, CIS 115, CSC 151, CSC 153, CTS 130, DBA 120, ECO 251, ECO 252, HBI 110, HMT 110, MKT 120, MKT 221, MKT 233, OST 137, PMT 210, PMT 215, SPA 111, SPA 120, WEB 140, WEB 141, WEB 250.

**Note:** Only 3 SHC of SPA are allowed towards the Information Technology degree.

Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
	any		
Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
	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.)**

**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).**

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

Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
	1 <sup>st</sup> year - summer		

**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.)**

Courses offered at RCC:

ANT 220, HIS 121, HIS 122, HIS 131, HIS 132, HIS 236, PSY 150, PSY 241, SOC 210, SOC 213

Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
	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.

2016-2017

Revised July 7, 2016

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: \_\_\_\_\_



## IT – SOFTWARE AND WEB DEVELOPMENT (A25590C) COURSE REQUIREMENTS

			Class	Lab	Work/ Clinical	Credit
<b>A. General Education Courses</b>						
1. Required Courses						
ENG	111	Writing and Inquiry	3	0	0	3
COM	231	Public Speaking	3	0	0	3
or						
ENG	112	Writing/Research in the Disciplines	3	0	0	3
MAT	143	Quantitative Literacy	2	2	0	3
		Humanities/Fine Arts Elective*	3	0	0	3
		Social/Behavioral Sciences Elective*	3	0	0	3
<b>B. Major Courses</b>						
1. Core Courses						
<i>To receive a degree, diploma or certificate from RCC, a student must have a grade of "C" or better in all core courses for the program of study.</i>						
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTI	120	Network & Security Foundation	2	2	0	3
CSC	151	Java Programming	2	3	0	3
CSC	153	C# Programming	2	3	0	3
CTS	115	Info Sys Business Concepts	3	0	0	3
CTS	120	Hardware/Software Support	2	3	0	3
CTS	289	System Support Project	1	4	0	3
DBA	120	Database Programming I	2	2	0	3
2. Other Major Courses						
CIS	115	Introduction to Programming Logic	2	2	0	3
NET	125	Introduction to Networks	1	4	0	3
NOS	120	Linux/UNIX Single User	2	2	0	3
SEC	110	Security Concepts	2	2	0	3
WEB	140	Web Development Tools	2	2	0	3
WEB	141	Mobile Interface Design	2	2	0	3
WEB	250	Database Driven Websites	2	2	0	3
		IT Major Elective**	2-3	0-3	0	4
<b>C. Other Required Courses</b>						
ACA	122	College Transfer Success	0	2	0	1
<b>Total Credit Hours</b>					<b>65</b>	

\*Approved Electives are listed on the page before the Course Descriptions.

\*\*Approved Electives may be selected from courses listed below. Software and Web Development students must choose a total of 4 credit hours from this list. Only 3 SCH of SPA are allowed towards the Information Technology degree:

ACC	115	College Accounting	3	2	0	4
ACC	120	Principles of Financial Accounting	3	2	0	4
BUS	110	Introduction to Business	3	0	0	3

BUS	115	Business Law I	3	0	0	3
BUS	125	Personal Finance	3	0	0	3
BUS	137	Principles of Management	3	0	0	3
BUS	139	Entrepreneurship I	3	0	0	3
BUS	230	Small Business Management	3	0	0	3
CHI	111	Elementary Chinese I	3	0	0	3
CIS	110	Introduction to Computers	2	2	0	3
CIS	111	Basic PC Literacy	1	2	0	2
CTS	130	Spreadsheet	2	2	0	3
CTS	155	Tech Support Functions	2	2	0	3
DBA	110	Database Concepts	2	3	0	3
ECO	251	Principles of Microeconomics	3	0	0	3
ECO	252	Principles of Macroeconomics	3	0	0	3
HBI	110	Issues and Trends in HBI	3	0	0	3
HMT	110	Intro to Healthcare Management	3	0	0	3
MKT	120	Principles of Marketing	3	0	0	3
MKT	221	Consumer Behavior	3	0	0	3
MKT	223	Customer Service	3	0	0	3
NOS	230	Windows Administration I	2	2	0	3
OST	136	Word Processing	2	2	0	3
OST	137	Office Software Applications	2	2	0	3
PMT	110	Intro to Project Management	3	0	0	3
PMT	210	Project Management Issues	2	2	0	3
PMT	215	Project Management Leadership	3	0	0	3
SEC	160	Security Administration I	2	2	0	3
SPA	111	Elementary Spanish I	3	0	0	3
SPA	120	Spanish for the Workplace	3	0	0	3

### SEMESTER SCHEDULE

#### IT – SOFTWARE AND WEB DEVELOPMENT (A25590C)

			Work/			
			Class	Lab	Clinical	Credit
<b>First Year — Fall Semester</b>						
ACA	122	College Transfer Success	0	2	0	1
CIS	115	Introduction to Programming Logic	2	3	0	3
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
			—	—	—	—
			8	12	0	13
<b>First Year — Spring Semester</b>						
CSC	153	C# Programming	2	3	0	3
CTS	115	Info Sys Business Concepts	3	0	0	3
NET	125	Introduction to Networks	1	4	0	3
WEB	140	Web Development Tools	2	2	0	3

			8	9	0	12
<b>First Year — Summer Semester</b>						
ENG	111	Writing and Inquiry	3	0	0	3
MAT	143	Quantitative Literacy	2	2	0	3
		Humanities/Fine Arts Elective*	3	0	0	3
		Social/Behavioral Sciences Elective*	3	0	0	3
			11	2	0	12
<b>Second Year — Fall Semester</b>						
COM	231	Public Speaking	3	0	0	3
		or				
ENG	112	Writing/Research in the Disciplines	3	0	0	3
CSC	151	Java Programming	2	3	0	3
DBA	120	Database Programming I	2	2	0	3
NOS	120	Linux/UNIX Single User	2	2	0	3
WEB	141	Mobile Interface Design	2	2	0	3
			11	9	0	15
<b>Second Year — Spring Semester</b>						
CTS	289	System Support Project	1	4	0	3
SEC	110	Security Concepts	2	2	0	3
WEB	250	Database Driven Websites	2	2	0	3
		IT Major Elective**	2-3	0-3	0	4
			6	8	0	13
<b>Total Credit Hours</b>					<b>65</b>	

\*Approved Electives are listed on the page before the Course Descriptions.

### IT – SOFTWARE AND WEB DEVELOPMENT (DIPLOMA) (D25590C) COURSE REQUIREMENTS

			Work/			
			Class	Lab	Clinical	Credit
ACA	122	College Transfer Success	0	2	0	1
CIS	115	Introduction to Programming Logic	2	3	0	3
COM	231	Public Speaking	3	0	0	3
		or				
ENG	112	Writing/Research in the Disciplines	3	0	0	3
CSC	151	Java Programming	2	3	0	3
CSC	153	C# Programming	2	3	0	3
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTI	120	Network & Security Foundation	2	2	0	3
CTS	115	Info Sys Business Concepts	3	0	0	3

CTS	120	Hardware/Software Support	2	3	0	3
DBA	120	Database Programming I	2	2	0	3
ENG	111	Writing and Inquiry	3	0	0	3
MAT	143	Quantitative Literacy	2	2	0	3
NOS	120	Linux/UNIX Single User	2	2	0	3
WEB	140	Web Development Tools	2	2	0	3
WEB	141	Mobile Interface Design	2	2	0	3
WEB	250	Database Driven Websites	2	2	0	3
<b>Total Credit Hours</b>					<b>46</b>	

### SEMESTER SCHEDULE

#### IT – WEB DEVELOPMENT SPECIALIST (CERTIFICATE) (C25590C1)

			Class	Lab	Work/ Clinical	Credit
<b>First Year — Fall Semester</b>						
CIS	115	Introduction to Programming Logic	2	3	0	3
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
			—	—	—	—
			4	5	0	6
<b>First Year — Spring Semester</b>						
WEB	140	Web Development Tools	2	2	0	3
			—	—	—	—
			2	2	0	3
<b>Second Year — Fall Semester</b>						
DBA	120	Database Programming I	2	2	0	3
WEB	141	Mobile Interface Design	2	2	0	3
			—	—	—	—
			4	4	0	6
<b>Second Year — Spring Semester</b>						
WEB	250	Database Driven Websites	2	2	0	3
			—	—	—	—
			2	2	0	3
<b>Total Credit Hours</b>					<b>18</b>	

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**ASSOCIATE IN APPLIED SCIENCE**  
**INFORMATION TECHNOLOGY – SOFTWARE AND WEB DEVELOPMENT (A25590C)**  
**with WEB DEVELOPMENT SPECIALIST (C25590C1)**

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 (Required if taking MAT 171)	<7 on DAP	1	Pre: DMA 010-050 or MAT 060 and MAT 070		
DMA 070 Rational Express/Equation (Required if taking MAT 171)		1	Pre: DMA 010-060 or MAT 060 and MAT 070		
DMA 080 Radical Express/Equations (Required if taking MAT 171)		1	Pre: DMA 010-070 or MAT 060 and MAT 070		
DRE 096 Integrated Reading and Writing	104-116	3	Pre: None		
DRE 097 Integrated Reading Writing II	117-135	3	Pre: DRE 096		
DRE 098 Integrated Reading Writing III	136-150	3	Pre: DRE 097		

**Section II:**

**A. Information Technology: Web Development Specialist (Certificate) (C25590C1) 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		
WEB 140 Web Development Tools	3	1 <sup>st</sup> year - spring	Pre: CTI 110		
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		

**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		
CTI 120 Network & Sec Foundation*	3	1 <sup>st</sup> year - fall	Pre: DMA 010-040 or MAT 070, DRE 097 Co: DRE 098		
CTS 120 Hardware/Software Support*	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		
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	2 <sup>nd</sup> year - fall	Pre: DRE 098 or ENG 090 and RED 090		
	3		Pre: ENG 111		
CSC 151 Java Programming*	3	2 <sup>nd</sup> year - fall	Pre: CIS 115		
DBA 120 Database Programming I*	3	2 <sup>nd</sup> year - fall	Pre: CTI 110		
NOS 120 Linux/UNIX Single User	3	2 <sup>nd</sup> year - fall	Pre: CTS 120		
SEC 110 Security Concepts	3	1 <sup>st</sup> year - spring	Pre: CTI 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		

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

Revised July 7, 2016

2016-2017

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: \_\_\_\_\_

**SEMESTER SCHEDULE**  
**IT – COMPUTER PROGRAMMING SPECIALIST (CERTIFICATE)**  
**(C25590C2)**

			Class	Lab	Work/ Clinical	Credit
<b>First Year — Fall Semester</b>						
CIS	115	Introduction to Programming Logic	2	3	0	3
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTI	120	Network & Security Foundation	2	2	0	3
			—	—	—	—
			6	7	0	9
<b>First Year — Spring Semester</b>						
CSC	153	C# Programming	2	3	0	3
WEB	140	Web Development Tools	2	2	0	3
			—	—	—	—
			4	5	0	6
<b>Second Year — Fall Semester</b>						
CSC	151	Java Programming	2	3	0	3
			—	—	—	—
			2	3	0	3
<b>Total Credit Hours</b>						<b>18</b>



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**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 (Required if taking MAT 171)	<7 on DAP	1	Pre: DMA 010-050 or MAT 060 and MAT 070		
DMA 070 Rational Express/Equation (Required if taking MAT 171)		1	Pre: DMA 010-060 or MAT 060 and MAT 070		
DMA 080 Radical Express/Equations (Required if taking MAT 171)		1	Pre: DMA 010-070 or MAT 060 and MAT 070		
DRE 096 Integrated Reading and Writing	104-116	3	Pre: None		
DRE 097 Integrated Reading Writing II	117-135	3	Pre: DRE 096		
DRE 098 Integrated Reading Writing III	136-150	3	Pre: DRE 097		

**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	2 <sup>nd</sup> year - fall	Pre: DRE 098 or ENG 090 and RED 090		
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)**</b> 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, SPA 211			
	1 <sup>st</sup> year - summer		

Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
<b>Social/Behavioral Sciences Electives (3 credits)**</b> (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, 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.**

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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: \_\_\_\_\_

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

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

**SEMESTER SCHEDULE**  
**IT – MOBILE APPLICATIONS DEVELOPMENT SPECIALIST**  
**(CERTIFICATE) (C25590C3)**

			Class	Lab	Work/ Clinical	Credit
<b>First Year — Fall Semester</b>						
CIS	115	Introduction to Programming Logic	2	3	0	3
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTI	120	Network & Security Foundation	2	2	0	3
			—	—	—	—
			6	7	0	9
<b>First Year — Spring Semester</b>						
WEB	140	Web Development Tools	2	2	0	3
			—	—	—	—
			2	2	0	3
<b>Second Year — Fall Semester</b>						
CSC	151	Java Programming	2	3	0	3
WEB	141	Mobile Interface Design	2	2	0	3
			—	—	—	—
			4	5	0	6
<b>Total Credit Hours</b>						<b>18</b>

Program Completion Guide  
**ASSOCIATE IN APPLIED SCIENCE**  
**INFORMATION TECHNOLOGY – SOFTWARE AND WEB DEVELOPMENT (A25590C)**  
**with MOBILE APPLICATIONS DEVELOPMENT SPECIALIST (C25590C3)**

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 (Required if taking MAT 171)	<7 on DAP	1	Pre: DMA 010-050 or MAT 060 and MAT 070		
DMA 070 Rational Express/Equation (Required if taking MAT 171)		1	Pre: DMA 010-060 or MAT 060 and MAT 070		
DMA 080 Radical Express/Equations (Required if taking MAT 171)		1	Pre: DMA 010-070 or MAT 060 and MAT 070		
DRE 096 Integrated Reading and Writing	104-116	3	Pre: None		
DRE 097 Integrated Reading Writing II	117-135	3	Pre: DRE 096		
DRE 098 Integrated Reading Writing III	136-150	3	Pre: DRE 097		

**Section II:**

**A. Information Technology: Mobile Applications Development Specialist (Certificate) (C25590C3) 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		
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		
WEB 141 Mobile Interface Design	3	2 <sup>nd</sup> year - fall	Pre: CTI 110		

**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		
CSC 153 C# Programming*	3	1 <sup>st</sup> year - spring	Pre: CIS 115		
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		
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	2 <sup>nd</sup> year - fall	Pre: DRE 098 or ENG 090 and RED 090		
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 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
NET 125 Introduction to Networks	3	1 <sup>st</sup> year - spring	Pre: DMA 010-040 or MAT 070, DRE 097		
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)**</b> 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, SPA 211			
	1 <sup>st</sup> year - summer		

Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
<b>Social/Behavioral Sciences Electives (3 credits)**</b> (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, 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.

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

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

**SEMESTER SCHEDULE**  
**IT – NETWORK MANAGEMENT (CERTIFICATE) (C25590D1)**

			Class	Lab	Work/ Clinical	Credit
<b>First Year — Fall Semester</b>						
CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
			—	—	—	—
			4	5	0	6
<b>First Year — Spring Semester</b>						
NET	125	Introduction to Networks	1	4	0	3
NOS	130	Windows Single User	2	2	0	3
SEC	110	Security Concepts	2	2	0	3
			—	—	—	—
			5	9	0	9
<b>Second Year — Fall Semester</b>						
NOS	230	Windows Administration I	2	2	0	3
			—	—	—	—
			2	2	0	3
<b>Total Credit Hours</b>						<b>18</b>

**SEMESTER SCHEDULE**  
**IT – NETWORK+ PREP (CERTIFICATE) (C25590D2)**

			Class	Lab	Work/ Clinical	Credit
<b>First Year — Fall Semester</b>						
CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
			—	—	—	—
			6	7	0	6
<b>First Year — Spring Semester</b>						
NET	125	Introduction to Networks	1	4	0	3
NOS	130	Windows Single User	2	2	0	3
			—	—	—	—
			3	6	0	6
<b>Total Credit Hours</b>						<b>12</b>

*Note: Network+ Prep (C25590D2) is a subset of the Network Management (C25590D1) certificate. Students using financial aid should enroll in Network Management (C25590D1).*



Program Completion Guide  
**ASSOCIATE IN APPLIED SCIENCE - INFORMATION TECHNOLOGY**  
**NETWORK MANAGEMENT (C25590D1)**  
**NETWORK+ PREP (C25590D2)**

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 (Required if taking MAT 171)	<7 on DAP	1	Pre: DMA 010-050 or MAT 060 and MAT 070		
DMA 070 Rational Express/Equation (Required if taking MAT 171)		1	Pre: DMA 010-060 or MAT 060 and MAT 070		
DMA 080 Radical Express/Equations (Required if taking MAT 171)		1	Pre: DMA 010-070 or MAT 060 and MAT 070		
DRE 096 Integrated Reading and Writing	104-116	3	Pre: None		
DRE 097 Integrated Reading Writing II	117-135	3	Pre: DRE 096		
DRE 098 Integrated Reading Writing III	136-150	3	Pre: DRE 097		

**Section II:**

- A. Information Technology: Network+ Prep (Certificate) (C25590D2) Course Requirements 12 credit hours: Complete Section I (as required) and Section II, A.** Note: Network+ Prep (C25590D2) is a subset of the Network Management (C25590D1) certificate. Students using financial aid should enroll in Network Management (C25590D1).

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
CTI 120 Network & Sec Foundation	3	1 <sup>st</sup> year - fall	Pre: DMA 010-040 or MAT 070, DRE 097 Co: DRE 098		
CTS 120 Hardware/Software Support	3	1 <sup>st</sup> year - fall	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		
NOS 130 Windows Single User	3	1 <sup>st</sup> year - spring	Pre: CTS 120		

- B. Information Technology: Network Management (Certificate) (C25590D1) Course Requirements 18 credit hours: Complete Section I (as required), Section II, A, and B.**

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
SEC 110 Security Concepts	3	1 <sup>st</sup> year - spring	Pre: CTI 120		
NOS 230 Windows Administration I	3	2 <sup>nd</sup> year - fall	Pre: NOS 130		

**NOTES:** \*All courses must be completed with a grade of "C" or better.  
 \*\*See course catalog for prerequisite and/or corequisite requirements.

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