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.

CYBER SECURITY (A25590A) COURSE REQUIREMENTS

					VV OI IX/			
				Class	Lab	Clinical	lCredit	
A.	General l	Educa	tion Courses					
	1. Requi	red Co	ourses					
	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	
В.	Major Co	ourses	5					
	1. Core (
	To rec	eive a	degree, diploma or certificate from RCC,	a student	must h	ave a gr	ade of "(C'
	or bet	ter in	all core courses for the program of study.			_		
	CTI	110	Web, Pgm, & DB Foundation	2	2	0	3	
	CTI	120	Network & Security Foundation	2	2	0	3	

Work/

64-65

	CTS	115	Info Sys Business Concepts	3	0	0	3
	CTS	120	Hardware/Software Support	2	3	0	3
	SEC	110	Security Concepts	2	2	0	3
	SEC	160	Security Administration I	2	2	0	3
	2. Other	Majoi	Courses				
	CIS	115	Introduction to Programming Logic	2	3	0	3
	CTS	220	Advanced Hard/Software Support	2	3	0	3
	CTS	289	System Support Project	1	4	0	3
	or						
	WBL	111	Work-Based Learning I	0	0	10	1
	and		_				
	WBL	115	Work-Based Learning Seminar I	1	0	0	1
	DBA	120	Database Programming I	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
	WEB	140	Web Development Tools	2	3	0	3
			IT Major Elective**	1-3	0-3	0	4
C.	Other Re	quire	d Courses				
		_	College Transfer Success	0	2	0	1

Total Credit Hours

**Approved IT 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
BUS	260	Business Communications	3	0	0	3
CIS	110	Introduction to Computers	2	2	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
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

^{*}Approved Humanities/Fine Arts and Social/Behavioral Sciences Electives are listed on the page before the Course Descriptions.

HBI	110	Issues and Trends in HBI	3	0	0	3
HMT	110	Intro to Healthcare Management	3	0	0	3
HMT	210	Medical Insurance	3	0	0	3
MED	121	Medical Terminology I	3	0	0	3
MKT	120	Principles of Marketing	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
WEB	141	Mobile Interface Design	2	2	0	3
WEB	250	Database Driven Websites	2	3	0	3

SEMESTER SCHEDULE CYBER SECURITY (A25590A)

			Class	Work/ lass Lab ClinicalCredit							
		First Year — Fall Semester									
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	<u> </u>	0	 13					
First Year — Spring Semester											
CTS	115	Info Sys Business Concepts	3	0	0	3					
CTS	220	Advanced Hard/Software Support	2	3	0	3					
NET	125	Introduction to Networks	1	4	0						
NOS	130	Windows Single User	2	2	0	3 3 3					
SEC	110	Security Concepts	2	2	0	3					
			10	<u> </u>	0	<u> </u>					
		First Year — Summer Semeste	er								
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					
			<u> </u>	2	0	12					
		Second Year — Fall Semester	•								
DBA	120	Database Programming I	2	2	0	3					

NOS NOS SEC	120 230 160	Linux/UNIX Single User Windows Administration I Security Administration I	2 2 2	2 2 2	0 0 0	3 3 3					
			8	8	0	12					
Second Year — Spring Semester											
COM or	231	Public Speaking	3	0	0	3					
ENG	112	Writing/Research in the Disciplines	3	0	0	3					
CTS or	289	System Support Project	1	4	0	3					
WBL and	111	Work-Based Learning I	0	0	10	1					
WBL	115	Work-Based Learning Seminar I	1	0	0	1					
WEB	140	Web Development Tools	2	3	0	3					
		IT Major Elective**	1-3	0-3	0	4					
			— 7-9	3-10	0-10	12-13					

Total Credit Hours

64-65

CYBER SECURITY (DIPLOMA) (D25590A) COURSE REQUIREMENTS

				Work/				
			Class	Lab	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		

^{*}Approved Humanities/Fine Arts and Social/Behavioral Sciences Electives are listed on the page before the Course Descriptions.

**Approved IT Electives may be selected from courses listed above.

		Total Credit Hours			46		
	140	Web Development Tools	2	3	0	3	
SEC	160	Security Administration I	2	2	0	3	

CYBER SECURITY TECHNICIAN (CERTIFICATE) (C25590A1) COURSE REQUIREMENTS

			Work/			
			Class	Lab	lCredit	
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
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
			12	 15	0	 18
		T			10	
		Total Credit Hours			18	

SECURITY+ PREP (CERTIFICATE) (C25590A2) COURSE REQUIREMENTS

					Work/	
			Class	Lab	Credit	
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
SEC	110	Security Concepts	2	2 2 0		3
			8	9	0	12
		Total Credit Hours			12	

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).

CYBER SECURITY (A25590A) (ONLINE) COURSE REQUIREMENTS

Students must meet eligibility to take college-level coursework through placement tests or other measures. Please see the student handbook for further information.

					Work/			
					Class	Lab	Clinical	Credit
A.	Ge	neral I	Educa	tion Courses				
	1.	Requir	red Co	ourses				
		ENG	111	Writing and Inquiry	3	0	0	3
				Public Speaking	3	0	0	3
		or						
		ENG	112	Writing/Research in the Disciplines	3	0	0	3
		MAT	143	Quantitative Literacy		2	0	3
				Humanities/Fine Arts Elective*	2 3	0	0	3
				Social/Behavioral Sciences Elective*	3	0	0	3
B.	Ma	ajor Co	urses					
		Core C						
		To rec	eive a	degree, diploma or certificate from RCC, a	student	must he	ave a gr	ade of "C"
				all core courses for the program of study.			C	· ·
		CTI		Web, Pgm, & DB Foundation	2	2	0	3
		CTI		Network & Security Foundation	2	2	0	3
		CTS	115	Info Sys Business Concepts	3	0	0	3
				Hardware/Software Support		3	0	3
		SEC		Security Concepts	2 2	2	0	3
		SEC		Security Administration I	2	2	0	3
	2.	Other		Courses				
		CIS		Introduction to Programming Logic	2	3	0	3
		CTS		Advanced Hard/Software Support	2	3	0	3
		CTS		System Support Project	1	4	0	3
		or						
		WBL	111	Work-Based Learning I	0	0	10	1
		and		C				
		WBL	115	Work-Based Learning Seminar I	1	0	0	1
		DBA		Database Programming I	2	2	0	3
		NET		Introduction to Networks	1	4	0	3
		NOS		Linux/UNIX Single User	2	2	0	3
				Windows Single User	2	2	0	3
		NOS	230	Windows Administration I	2	2	0	3
		WEB	140	Web Development Tools	2	3	0	3
				IT Major Elective**	1-3	0-3	0	4
C.	Ot	her Re	quire	d Courses				
			_	College Transfer Success	0	2	0	1
				-				

Total Credit Hours

**Approved IT electives offered online 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	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
BUS	260	Business Communications	3	0	0	3
CIS	110	Introduction to Computers	2	2	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
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
HMT	210	Medical Insurance	3	0	0	3
MED	121	Medical Terminology I	3	0	0	3
MKT	120	Principles of Marketing	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
WEB	141	Mobile Interface Design	2	2	0	3
WEB	250	Database Driven Websites	2	3	0	3

SEMESTER SCHEDULE CYBER SECURITY (A25590A) (ONLINE)

			Class	Work/ Lab ClinicalCredit			
		First Year — Fall Semester					
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	

^{*}Approved Humanities/Fine Arts electives offered online: ART 111, ENG 231, MUS 110, PHI 240, REL 211, REL 212.

^{*}Approved Social/Behavioral Sciences electives offered online: ANT 220, HIS 131, HIS 132, HIS 236, POL 120, PSY 150, PSY 241, SOC 210, SOC 213.

CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
			8	12	0	13
		First Year — Spring Semester				
CTS	115	Info Sys Business Concepts	3	0	0	3
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
			_			
			10	11	0	15
		First Year — Summer Semeste	er			
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
		Second Year — Fall Semester	•			
DBA	120	Database Programming I	2	2	0	3
NOS	120	Linux/UNIX Single User	2	2	0	
NOS	230	Windows Administration I	2	2	0	3
SEC	160	Security Administration I	2	$\frac{}{2}$	0	3
220	100	20002109 1 20111111111111111111111111111	_	_		_
			8	8	0	12
		Second Year — Spring Semeste		Ü	Ü	1-
COM	231	Public Speaking	3	0	0	3
or	231	Tuone speaking	5	Ü	O	5
ENG	112	Writing/Research in the Disciplines	3	0	0	3
CTS	289	System Support Project	1	4	0	3
or	20)	System Support Project	•	•	O	5
WBL	111	Work-Based Learning I	0	0	10	1
and	111	Work Bused Ecurining 1	O	O	10	1
WBL	115	Work-Based Learning Seminar I	1	0	0	1
WEB	140	Web Development Tools	2	3	0	3
11 LD	1 10	IT Major Elective**	1-3	0-3	0	4
		11 Major Elective		U- <i>J</i>		-
			— 7-9	3-10	0-10	12-13
			, ,	5 10	0 10	12 13

^{*}Approved Humanities/Fine Arts electives offered online:

Total Credit Hours

ART 111, ENG 231, MUS 110, PHI 240, REL 211, REL 212

ANT 220, HIS 131, HIS 132, HIS 236, POL 120, PSY 150, PSY 241, SOC 210, SOC 213

^{*}Approved Social/Behavioral Sciences electives offered online:

**Approved IT Electives may be selected from courses listed above.

CYBER SECURITY (DIPLOMA) (D25590A) (ONLINE) COURSE REQUIREMENTS

				Work/			
			Class	Lab ClinicalCredi			
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	3	0	3	
		Total Credit Hours			46		

Total Credit Hours 46

CYBER SECURITY TECHNICIAN (CERTIFICATE) (C25590A1) (ONLINE) COURSE REQUIREMENTS

				Work/		
			Class	Lab ClinicalCredi		
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
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
			11	15	0	18

Total Credit Hours

18

SECURITY+ PREP (CERTIFICATE) (C25590A2) (ONLINE) COURSE REQUIREMENTS

			Work/			
			Class	Lab ClinicalCredit		
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
SEC	110	Security Concepts	2	2	0	3
			8	9	0	12
		Total Credit Hours			12	

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).

The courses listed on this program guide are the courses currently offered online through Richmond Community College. Please speak to your advisor if you have taken courses at another college or university.

The following courses are part of the North Carolina Articulation Agreement: ACC 120, ART 111, BUS 110, BUS 115, BUS 137, CIS 110, CIS 115, COM 231, CSC 151, ECO 251, ECO 252, ENG 111, ENG 112, ENG 231, ENG 232, MAT 143, MUS 110, PHI 240, and SPA 111. The North Carolina Comprehensive Articulation Agreement is a statewide agreement governing transfer credits from North Carolina community colleges to North Carolina public universities and participating private universities. RichmondCC cannot guarantee the transfer of courses to out-of-state universities.

INFORMATION TECHNOLOGY SUPPORT (A25590B) COURSE REQUIREMENTS

				_			Work/	
					Class	Lab	Clinical	Credit
A.	Ge	neral F	Educat	ion Courses				
	1.	Requir	red Cou	irses				
		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
В.	Ma	ijor Co	urses					
	1.	Core C	Courses					
		To rec	eive a d	degree, diploma or certificate from RCC, a	a student	must h	ave a gr	ade of "C"
		or bett	er in a	ll core courses for the program of study.				
		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
	2.	Other	Major (Courses				
		CIS	110	Introduction to Computers	2	2	0	3
		CTS	289	System Support Project	1	4	0	3
		or						
		WBL	111	Work-Based Learning I	0	0	10	1
		and						
		WBL	115	Work-Based Learning Seminar I	1	0	0	1
		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
		SEC	110	Security Concepts	2	2	0	3
				IT Major Elective**	Varies	Varies	0	4
C.	Otl	her Re	quired	Courses				
		ACA	122	College Transfer Success	0	2	0	1

Total Credit Hours

^{*}Approved Humanities/Fine Arts and Social/Behavioral Sciences Electives are listed on the page before the Course Descriptions.

**Approved IT 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:

miom	iution i	cennology 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
BUS	260	Business Communications	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 3	2	0	3
ECO	251	Principles of Microeconomics		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
HMT	210	Medical Insurance	3	0	0	3
MED	121	Medical Terminology I	3	0	0	3
MKT	120	Principles of Marketing	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
WEB	140	Web Development Tools	2	3	0	3
WEB	141	Mobile Interface Design	2	2	0	3
WEB	250	Database Driven Websites	2	3	0	3

SEMESTER SCHEDULE INFORMATION TECHNOLOGY SUPPORT (A25590B)

				Work/			
			Class	Lab	Clinical	Credit	
		First Year — Fall Semester					
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
		First Year — Spring Semester		11	O	13
CTS	115	Info Sys Business Concepts	3	0	0	3
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
BLC	110	security concepts				
			10	11	0	15
		First Year — Summer Semeste				
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
		Second Year — Fall Semester				
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
		3 6				
			9	6	0	12
		Second Year — Spring Semeste	r			
COM	231	Public Speaking	3	0	0	3
or						
ENG	112	Writing/Research in the Disciplines	3	0	0	3
CTS	289	System Support Project	1	4	0	3
or						
WBL	111	Work-Based Learning I	0	0	10	1
and						
WBL	115	Work-Based Learning Seminar I	1	0	0	1
DBA	110	Database Concepts	2	3	0	3
		IT Major Elective**	1-3	0-3	0	4
				2 10		
			7-9	3-10	0-10	12-13
		Total Credit Hours			64-65	

^{*}Approved Humanities/Fine Arts and Social/Behavioral Sciences Electives are listed on the page before the Course Descriptions.

**Approved IT Electives may be selected from courses listed above.

IT SUPPORT (DIPLOMA) (D25590B) COURSE REQUIREMENTS

				Work/			
			Class	Lab ClinicalCredit			
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	
		Total Credit Hours			46		

IT – ENTRY LEVEL COMPUTER TECHNICIAN (CERTIFICATE) (C25590B1) COURSE REQUIREMENTS

				Work/		
			Class	Lab ClinicalCredi		
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
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
			11	16	0	18

Total Credit Hours

IT – A+ PREP (CERTIFICATE) (C25590B2) COURSE REQUIREMENTS

				Work/		
			Class	Lab	lCredit	
CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
CTS	220	Advanced Hard/Software Support	2	3	0	3
NOS	130	Windows Single User	2	2	0	3
			8	10	0	12
		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).

INFORMATION TECHNOLOGY SUPPORT (A25590B) (ONLINE) COURSE REQUIREMENTS

				-			Work/	
					Class	Lab	Clinical	Credit
A.	Ge	neral E	Educati	on Courses				
	1.	Requir	red Cou	rses				
		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.	Ma	ajor Co	urses					
	1.	Core C	Courses					
		To rec	eive a a	legree, diploma or certificate from RCC, a	a student	must he	ave a gr	ade of "C"
		or bett	ter in al	l core courses for the program of study.				
		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
		SEC	110	Security Concepts	2	2	0	3
	2.	Other	Major (Courses				
		CIS	110	Introduction to Computers	2	2	0	3
		CTS	289	System Support Project	1	4	0	3
		or						
		WBL	111	Work-Based Learning I	0	0	10	1
		and						
		WBL	115	Work-Based Learning Seminar I	1	0	0	1
		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	
		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**	Varies	Varies	0	4
C.	Ot			Courses				
		ACA	122	College Transfer Success	0	2	0	1

Total Credit Hours

^{*}Approved Humanities/Fine Arts electives offered online: ART 111, ENG 231, MUS 110, PHI 240, REL 211, REL 212.

*Approved Social/Behavioral Sciences electives offered online: ANT 220, HIS 131, HIS 132, HIS 236, POL 120, PSY 150, PSY 241, SOC 210, SOC 213.

**Approved IT 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:

miom	iation i	echnology 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
BUS	260	Business Communications	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 3	2	0	3
ECO	251	Principles of Microeconomics		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
HMT	210	Medical Insurance	3	0	0	3
MED	121	Medical Terminology I	3	0	0	3
MKT	120	Principles of Marketing	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
WEB	140	Web Development Tools	2	3	0	3
WEB	141	Mobile Interface Design	2	2	0	3
WEB	250	Database Driven Websites	2	3	0	3

SEMESTER SCHEDULE INFORMATION TECHNOLOGY SUPPORT (A25590B) (ONLINE)

					Work/		
					b ClinicalCredit		
		First Year — Fall Semester					
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	Ö	3
012	120	22 Suppose	_	_		
			8	11	0	13
		First Year — Spring Semester			Ü	
CTS	115	Info Sys Business Concepts	3	0	0	3
CTS	220	Advanced Hard/Software Support	2	3	0	3
NET	125	Introduction to Networks	1	4	0	3
NOS	130		2	2	0	2
		Windows Single User	2	$\frac{2}{2}$	0	3 3 3 3
SEC	110	Security Concepts	2	2	U	3
			10	11	0	15
		First Year — Summer Semeste		11	U	13
ENC	111			0	0	2
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 3 3
		Social/Behavioral Sciences Elective*	3	0	0	3
			11	2	0	12
C TO C		Second Year — Fall Semester			0	2
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
			9	6	0	12
		Second Year — Spring Semeste				_
COM	231	Public Speaking	3	0	0	3
or			_		_	
ENG	112	Writing/Research in the Disciplines	3	0	0	3
CTS	289	System Support Project	1	4	0	3
or						
WBL	111	Work-Based Learning I	0	0	10	1
and						
WBL	115	Work-Based Learning Seminar I	1	0	0	1
DBA	110	Database Concepts	2	3	0	3
		IT Major Elective**	1-3	0-3	0	4
			7-9	3-10	0-10	12-13
		The LC Mark			. A =	
		Total Credit Hours			64-65	

^{*}Approved Humanities/Fine Arts electives offered online: ART 111, ENG 231, MUS 110, PHI 240, REL 211, REL 212.

IT SUPPORT (DIPLOMA) (D25590B) (ONLINE) COURSE REQUIREMENTS

				Work/		
			Class	Lab	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
		T-4-1-C14-H			10	

Total Credit Hours 46

IT – ENTRY LEVEL COMPUTER TECHNICIAN (CERTIFICATE) (C25590B1) (ONLINE) COURSE REQUIREMENTS

		~		Work/			
			Class	Lab	ClinicalCredit		
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	
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	
			11	16	0	18	

Total Credit Hours

18

^{*}Approved Social/Behavioral Sciences electives offered online: ANT 220, HIS 131, HIS 132, HIS 236, POL 120, PSY 150, PSY 241, SOC 210, SOC 213.

^{**}Approved IT Electives may be selected from courses listed above.

IT – A+ PREP (CERTIFICATE) (C25590B2) (ONLINE) COURSE REQUIREMENTS

			Work/			
			Class	Lab	Clinical	lCredit
CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
CTS	220	Advanced Hard/Software Support	2	3	0	3
NOS	130	Windows Single User	2	2	0	3
			8	10	0	12
		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).

SOFTWARE AND WEB DEVELOPMENT (A25590C) COURSE REQUIREMENTS

						Work/		
					Class	Lab	Clinical	Credit
A.	Ge	eneral I	Educati	ion Courses				
	1.	Requir	red Cou	ırses				
		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.	Ma	ajor Co	urses					
	1.	Core C						
				degree, diploma or certificate from RCC, a	a student	must h	ave a gr	ade of "C
			ter in a	ll core courses for the program of study.				
		CSC	151	JAVA Programming	2	3	0	3
		CSC		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
	2.	Other	Major (Courses				
		CIS	115	Introduction to Programming Logic	2	2	0	3
		CTS	289	System Support Project	1	4	0	3
		or						
		WBL	111	Work-Based Learning I	0	0	10	1
		and						
		WBL	115	Work-Based Learning Seminar I	1	0	0	1
		DBA	120	Database Programming I	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	3	0	3
		WEB	141	Mobile Interface Design	2	2	0	3
		WEB	250	Database Driven Websites	2	3	0	3
				IT Major Elective**	1-3	0-3	0	4
C.	Ot	ther Re	quired	Courses				
		4 (7 4	100		0	^	•	1
		ACA	122	College Transfer Success	0	2	0	1

^{*}Approved Humanities/Fine Arts and Social/Behavioral Sciences Electives are listed on the page before the Course Descriptions.

Total Credit Hours

**Approved IT 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:

unowe	a to wai	ds the information reciniology 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
BUS	260	Business Communications	3	0	0	3
CIS	110	Introduction to Computers	2	2	0	3
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
HMT	210	Medical Insurance	3	0	0	3
MED	121	Medical Terminology I	3	0	0	3
MKT	120	Principles of Marketing	3	0	0	3
MKT	223	Customer Service	3	0	0	3
NOS	130	Windows Single User	2	2	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 3	2	0	3
PMT	110	Intro to Project Management		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

SEMESTER SCHEDULE SOFTWARE AND WEB DEVELOPMENT (A25590C)

				vv ork/				
			Class	Lab Clinica		alCredit		
		First Year — Fall Semester						
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
		First Year — Spring Semester				
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	3	0	3
			8	10	0	12
		First Year — Summer Semeste	r			
ENG	111	Writing and Inquiry	3	0	0	3
	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
COM	221	Second Year — Fall Semester		0	0	2
COM or	231	Public Speaking	3	0	0	3
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
			<u> </u>	<u> </u>	0	 15
		Second Year — Spring Semeste		9	U	13
CTS	289	System Support Project	1	4	0	3
or	209	System Support Project	1	4	U	3
WBL and	111	Work-Based Learning I	0	0	10	1
WBL	115	Work-Based Learning Seminar I	1	0	0	1
SEC	110	Security Concepts	2	2	0	3
WEB	250	Database Driven Websites	2	3	0	3
		IT Major Elective**	1-3	0-3	0	4
			6-8	5-12	0-10	12-13

^{*}Approved Humanities/Fine Arts and Social/Behavioral Sciences Electives are listed on the page before the Course Descriptions.

Total Credit Hours

^{**}Approved IT Electives may be selected from courses listed above.

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	3	0	3
WEB	141	Mobile Interface Design	2	2	0	3
WEB	250	Database Driven Websites	2	3	0	3
		Total Credit Hours			46	

Total Credit Hours

46

WEB DEVELOPMENT SPECIALIST (CERTIFICATE) (C25590C1) COURSE REQUIREMENTS

			Work/			
			Class	Lab ClinicalCre		
CIS	115	Introduction to Programming Logic	2	3	0	3
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
DBA	120	Database Programming I	2	2	0	3
WEB	140	Web Development Tools	2	3	0	3
WEB	141	Mobile Interface Design	2	2	0	3
WEB	250	Database Driven Websites	2	3	0	3
			12	15	0	18

Total Credit Hours

18

COMPUTER PROGRAMMING SPECIALIST (CERTIFICATE) (C25590C2) COURSE REQUIREMENTS

			Work/				
			Class	Lab	Lab ClinicalCredit		
CIS	115	Introduction to Programming Logic	2	3	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	
WEB	140	Web Development Tools	2	3	0	3	
			12	16	0	18	

Total Credit Hours

MOBILE APPLICATIONS DEVELOPMENT SPECIALIST (CERTIFICATE) (C25590C3) COURSE REQUIREMENTS

				Work/		
			Class	Lab ClinicalCred		
CIS	115	Introduction to Programming Logic	2	3	0	3
CSC	151	JAVA Programming	2	3	0	3
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTI	120	Network & Security Foundation	2	2	0	3
WEB	140	Web Development Tools	2	3	0	3
WEB	141	Mobile Interface Design	2	2	0	3
			12	15	0	18

Total Credit Hours 18

18

SOFTWARE AND WEB DEVELOPMENT (A25590C) (ONLINE) COURSE REQUIREMENTS

Students must meet eligibility to take college-level coursework through placement tests or other measures. Please see the student handbook for further information.

me	asu	res. Fie	use see	ine student nanabook jor jurtner injorma	uon.		Ward.	
					Class	Lah	Work/ Clinical	Crodit
Δ	Ce	neral F	iteauh?	on Courses	Class	Lau	Cillicai	Creun
A .			red Cou					
	1.	ENG		Writing and Inquiry	3	0	0	3
		COM		Public Speaking	3	0	0	3
		or	231	Tublic Speaking	3	O	O	3
		ENG	112	Writing/Research in the Disciplines	3	0	0	3
		MAT		Quantitative Literacy	2	2	0	3
		1717 1 1	113	Humanities/Fine Arts Elective*	3	0	0	3
				Social/Behavioral Sciences Elective*	3	0	0	3
R.	M	ajor Co	nirses	Social Beliavioral Sciences Elective	J	O	O	3
υ.		Core C						
				egree, diploma or certificate from RCC, c	a student	must h	ave a gr	ade of "C"
				l core courses for the program of study.				in of
		CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
		CTI	120	Network & Security Foundation	2	2	0	3
		CSC	151	JAVA Programming	2	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
	2.		Major (
		CIS	115	Introduction to Programming Logic	2	2	0	3
		CTS	289	System Support Project	1	4	0	3
		or						
		WBL	111	Work-Based Learning I	0	0	10	1
		and						
		WBL	115	Work-Based Learning Seminar I	1	0	0	1
		DBA	120	Database Programming I	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	3	0	3
		WEB	141	Mobile Interface Design	2	2	0	3
		WEB	250	Database Driven Websites	2	3	0	3
				IT Major Elective**	Varies	Varies	0	4
C.	Ot		_	Courses				
		ACA	122	College Transfer Success	0	2	0	1
				Total Credit Hours			64-65	

^{**}Approved IT Major Electives offered online may be selected from courses listed below. Software and Web Development students must choose a total of 4 credit hours from this list.

<i>Note:</i>	Only 3 SCH o	f SPA are allowed	towards the Info	ormation Technol	ogy degree:

ivoie.	Only 3	SCII of SIA are allowed lowards the Information 1	ecmon	ogy aeg	166.	
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
BUS	260	Business Communications	3	0	0	3
CIS	110	Introduction to Computers	2	2	0	3
CTS	130	Spreadsheet	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
HMT	210	Medical Insurance	3	0	0	3
MED	121	Medical Terminology I	3	0	0	3
MKT	120	Principles of Marketing	3	0	0	3
NOS	130	Windows Single User	2	2	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

SEMESTER SCHEDULE SOFTWARE AND WEB DEVELOPMENT (A25590C) (ONLINE)

			Class	Work/ Lab ClinicalCred		
		First Year — Fall Semester				
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

^{*}Approved Humanities/Fine Arts electives offered online: ART 111, ENG 231, MUS 110, PHI 240, REL 211, REL 212.

^{*}Approved Social/Behavioral Sciences electives offered online: ANT 220, HIS 131, HIS 132, HIS 236, POL 120, PSY 150, PSY 241, SOC 210, SOC 213.

CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
			8	12	0	13
		First Year — Spring Semester	r			
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 3 3 3
WEB	140	Web Development Tools	2	3	0	3
			8	10	0	12
		First Year — Summer Semeste		10	O	12
ENG	111	Writing and Inquiry	3	0	0	3
MAT	143	Quantitative Literacy	2	2	0	3
WIAI	143	Humanities/Fine Arts Elective*	3	0	0	2
			3			3
		Social/Behavioral Sciences Elective*	<u> </u>	0	0	<u> </u>
			11	2	0	12
		Second Year — Fall Semester	•			
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 3 3 3
				_	_	1.5
			11	9	0	15
C/T/C	200	Second Year — Spring Semester		4	0	2
CTS	289	System Support Project	1	4	0	3
or		*** 1.5		0	10	
WBL	111	Work-Based Learning I	0	0	10	1
and	44.5	W. 1 D. 17		0	0	
WBL	115	Work-Based Learning Seminar I	1	0	0	1
SEC	110	Security Concepts	2	2	0	3
WEB	250	Database Driven Websites	2	3	0	3
		IT Major Elective**	1-3	0-3	0	4
			6-8	5-12	0-10	12-13
			0.0	J 12	0 10	12 13

^{*}Approved Humanities/Fine Arts electives offered online: ART 111, ENG 231, MUS 110, PHI 240, REL 211, REL 212.

Total Credit Hours

SOFTWARE AND WEB DEVELOPMENT (DIPLOMA) (D25590C) (ONLINE) 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	3	0	3
WEB	141	Mobile Interface Design	2	2	0	3
WEB	250	Database Driven Websites	2	3	0	3
		Total Credit Hours			46	

WEB DEVELOPMENT SPECIALIST (CERTIFICATE) (C25590C1) (ONLINE) COURSE REQUIREMENTS

		•		Work/		
			Class	Lab ClinicalCre		
CIS	115	Introduction to Programming Logic	2	3	0	3
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
DBA	120	Database Programming I	2	2	0	3
WEB	140	Web Development Tools	2	3	0	3
WEB	141	Mobile Interface Design	2	2	0	3
WEB	250	Database Driven Websites	2	3	0	3
					_	
			12	15	0	18

Total Credit Hours

18

^{*}Approved Social/Behavioral Sciences electives offered online: ANT 220, HIS 131, HIS 132, HIS 236, POL 120, PSY 150, PSY 241, SOC 210, SOC 213.

^{**}Approved IT Major Electives may be selected from courses listed above.

COMPUTER PROGRAMMING SPECIALIST (CERTIFICATE) (C25590C2) (ONLINE) COURSE REQUIREMENTS

			Work/			
			Class	Lab ClinicalCredi		
CIS	115	Introduction to Programming Logic	2	3	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
WEB	140	Web Development Tools	2	3	0	3
				_		
			12	16	0	18
		Total Credit Hours			18	

MOBILE APPLICATIONS DEVELOPMENT SPECIALIST (CERTIFICATE) (C25590C3) (ONLINE)

COURSE REQUIREMENTS

			Work/			
			Class	Lab	Credit	
CIS	115	Introduction to Programming Logic	2	3	0	3
CSC	151	JAVA Programming	2	3	0	3
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTI	120	Network & Security Foundation	2	2	0	3
WEB	140	Web Development Tools	2	3	0	3
WEB	141	Mobile Interface Design	2	2	0	3
			12	15	0	18
		Total Credit Hours			18	

The courses listed on this program guide are the courses currently offered online through Richmond Community College. Please speak to your advisor if you have taken courses at another college or university.

The following courses are part of the North Carolina Articulation Agreement: ACC 120, ART 111, BUS 110, BUS 115, BUS 137, CIS 110, CIS 115, COM 231, CSC 151, ECO 251, ECO 252, ENG 111, ENG 112, ENG 231, ENG 232, MAT 143, MUS 110, PHI 240, and SPA 111. The North Carolina Comprehensive Articulation Agreement is a statewide agreement governing transfer credits from North Carolina community colleges to North Carolina public universities and participating private universities. RichmondCC cannot guarantee the transfer of courses to out-of-state universities.

NETWORK MANAGEMENT (CERTIFICATE) (C25590D1) COURSE REQUIREMENTS

			Work/			
			Class	Lab	Credit	
CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
NET	125	Introduction to Networks	1	4	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
			11	15	0	18
		Total Credit Hours			18	

NETWORK+ PREP (CERTIFICATE) (C25590D2) COURSE REQUIREMENTS

			Work/			
			Class	Lab	Credit	
CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
NET	125	Introduction to Networks	1	4	0	3
NOS	130	Windows Single User	2	2	0	3
			7	11	0	12
		Total Credit Hours			12	

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

NETWORK MANAGEMENT (CERTIFICATE) (C25590D1) (ONLINE) COURSE REQUIREMENTS

				Work/		
			Class	Lab ClinicalCred		
CTI	120	Network & Security Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
NET	125	Introduction to Networks	1	4	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
			11	15	0	18
		T. 4.1 C 14 II.			10	

Total Credit Hours

18

NETWORK+ PREP (CERTIFICATE) (C25590D2) (ONLINE) COURSE REQUIREMENTS

			Wor			rk/		
			Class	Lab	Clinica	lCredit		
CTI	120	Network & Security Foundation	2	2	0	3		
CTS	120	Hardware/Software Support	2	3	0	3		
NET	125	Introduction to Networks	1	4	0	3		
NOS	130	Windows Single User	2	2	0	3		
			7	11	0	12		
		Total Credit Hours			12			

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

IT – INFORMATION TECHNOLOGY SUPPORT - HEALTHCARE (A25590E) COURSE REQUIREMENTS

					Class	Work/ Lab ClinicalCredit		
A.	Ge	neral E	Educati	on Courses				
	1.	Requir	ed Cou	rses				
		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
В.		ajor Co						
	1.	Core C						
				egree, diploma or certificate from RCC, a	student	must h	ave a gr	ade of "C"
				l core courses for the program of study.				
		CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
		CTI	120	Network & Sec Foundation	2	2	0	3
		CTS		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
		HBI	110	Issues and Trends in HBI	3	0	0	3
	2.		Major C					
		CTS	155	Tech Support Functions	2	2	0	3
		CTS	220	Adv Hard/Software Support	2	3	0	3
		CTS	289	System Support Project	1	4	0	3
		or						
		WBL	111	Work-Based Learning I	0	0	10	1
		and						
		WBL	115	Work-Based Learning Seminar I	1	0	0	1
		HMT	110	Intro to Healthcare Mgt	3	0	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 Mgmt	3	0	0	3
		SEC	110	Security Concepts	2	2	0	3
				IT Major Elective**	2-3	0-3	0	4
C.	Ot		-	Courses				
		ACA	122	College Transfer Success	0	2	0	1

Total Credit Hours

*Approved Humanities/Fine Arts and Social/Behavioral Sciences Electives are listed on the page before the Course Descriptions.

**Approved IT Major 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
BUS	260	Business Communications	3	0	0	3
CIS	110	Introduction to Computers	2	2	0	3
CIS	115	Introduction to Programming 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	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
ELC	112	DC/AC Electricity	3	6	0	5
HMT	210	Medical Insurance	3	0	0	3
MED	121	Medical Terminology I	3	0	0	3
MKT	120	Principles of Marketing	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	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
WEB	140	Web Development Tools	2	3	0	3
WEB	141	Mobile Interface Design	2	2	0	3
WEB	250	Database Driven Websites	2	3	0	3

SEMESTER SCHEDULE IT – INFORMATION TECHNOLOGY SUPPORT - HEALTHCARE (A25590E)

				Work/		
			Class	Lab	Clinical	Credit
		First Year — Fall Semester				
ACA	122	College Transfer Success	0	2	0	1
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTI	120	Network & Sec Foundation	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
PMT	110	Intro to Project Mgmt	3	0	0	3
			9	9	0	13
		First Year — Spring Semester	r			
CTS	115	Info Sys Business Concepts	3	0	0	3
CTS	220	Adv Hard/Software Support	2	3	0	3
HMT	110	Intro to Healthcare Mgt	3	0	0	3
NET	125	Introduction to Networks	1	4	0	3
NOS	130	Windows Single User	2	2	0	3
			— 11	9	0	 15
		First Year — Summer Semeste		,	U	13
ENG	111	Writing and Inquiry	3	0	0	3
MAT	143	Quantitative Literacy	2	2	0	3
1417-11	173	Humanities/Fine Arts Elective*	3	$\overset{2}{0}$	0	3
		Social/Behavioral Sciences Elective*	3	0	0	3
		Social/Bellavioral Sciences Elective		—	_	_
			11	2	0	12
OTT C	155	Second Year — Fall Semester		•	0	2
CTS	155	Tech Support Functions	2	2	0	3
DBA	120	Database Programming I	2	2	0	3
HBI	110	Issues and Trends in HBI	3	0	0	3
NOS	120	Linux/UNIX Single User	2	2	0	3
NOS	230	Windows Administration	2	2	0	3
			11	8	0	15
		Second Year — Spring Semester				
COM or	231	Public Speaking	3	0	0	3
ENG	112	Writing/Research in the Disciplines	3	0	0	3
CTS	289	System Support Project	1	4	0	3
or	20)	System Support Project	•		O	J
WBL and	111	Work-Based Learning I	0	0	10	1
WBL	115	Work-Based Learning Seminar I	1	0	0	1
SEC	110	Security Concepts	2	2	0	3
		IT Major Elective**	2-3	0-3	0	4

8-9 2-9 0-10 12-13

Total Credit Hours

67-68

IT – INFORMATION TECHNOLOGY SUPPORT – HEALTHCARE (DIPLOMA) (D25590E) COURSE REQUIREMENTS

				Work/			
			Class	Lab	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 & Sec 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	Adv Hard/Software Support	2	3	0	3	
DBA	120	Database Programming I	2	2	0	3	
ENG	111	Writing and Inquiry	3	0	0	3	
HBI	110	Issues and Trends in HBI	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	
SEC	110	Security Concepts	2	2	0	3	

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^{*}Approved Humanities/Fine Arts and Social/Behavioral Sciences Electives are listed on the page before the Course Descriptions.

^{**}Approved IT Major Electives may be selected from courses listed above.

IT – INFORMATION TECHNOLOGY SUPPORT - HEALTHCARE (A25590E) (ONLINE) COURSE REQUIREMENTS

					Class	Work/ Lab ClinicalCredit		
A.	Ge	eneral I	Educati	on Courses				
	1.	Requi	red Cou	rses				
		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
В.	M	ajor Co	urses					
		Core (
		To rec	eive a a	legree, diploma or certificate from RCC, a	a student	must h	ave a gr	ade of "C"
				l core courses for the program of study.			Ü	v
		CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
		CTI	120	Network & Sec 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
		HBI	110	Issues and Trends in HBI	3	0	0	3
	2.	Other	Major (Courses				
		CTS	155	Tech Support Functions	2	2	0	
		CTS	220	Adv Hard/Software Support	2	3	0	3
		CTS	289	System Support Project	1	4	0	3
		or						
		WBL	111	Work-Based Learning I	0	0	10	1
		and		<u> </u>				
		WBL	115	Work-Based Learning Seminar I	1	0	0	1
		HMT	110	Intro to Healthcare Mgt	3	0	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 Mgmt	3	0	0	3
		SEC	110	Security Concepts	2	2	0	3
				IT Major Elective**	2-3	0-3	0	4
C.	Ot	her Re	quired	Courses				
		ACA	_	College Transfer Success	0	2	0	1

Total Credit Hours

^{**}Approved IT Major 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
BUS	260	Business Communications	3	0	0	3
CIS	110	Introduction to Computers	2	2	0	3
CIS	115	Introduction to Programming 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	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
HMT	210	Medical Insurance	3	0	0	3
MED	121	Medical Terminology I	3	0	0	3
MKT	120	Principles of Marketing	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	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
WEB	140	Web Development Tools	2	3	0	3
WEB	141	Mobile Interface Design	2	2	0	3
WEB	250	Database Driven Websites	2	3	0	3

SEMESTER SCHEDULE IT – INFORMATION TECHNOLOGY SUPPORT - HEALTHCARE (A25590E) (ONLINE)

Work/
Class Lab ClinicalCredit

First Year — Fall Semester

^{*}Approved Humanities/Fine Arts electives offered online: ART 111, ENG 231, MUS 110, PHI 240, REL 211, REL 212.

^{*}Approved Social/Behavioral Sciences electives offered online: ANT 220, HIS 131, HIS 132, HIS 236, POL 120, PSY 150, PSY 241, SOC 210, SOC 213.

CTI 1 CTI 1: CTS 1:	College Transfer Success Web, Pgm, & DB Foundation Network & Sec Foundation Hardware/Software Support Intro to Project Mgmt	0 2 2 2 3	2 2 2 3 0	0 0 0 0 0	1 3 3 3 -						
		9	9	0	13						
CTC 1	First Year — Spring Semester		0	0	2						
	15 Info Sys Business Concepts20 Adv Hard/Software Support	3 2	0 3	$0 \\ 0$	3						
	20 Adv Hard/Software Support 10 Intro to Healthcare Mgt	3	0	0	3						
	25 Introduction to Networks	1	4	0	3						
	30 Windows Single User	2	2	0	3						
1105 1.	Windows Single Oser	<u>-</u>	<i>_</i>								
		11	9	0	15						
First Year — Summer Semester											
ENG 1	11 Writing and Inquiry	3	0	0	3						
MAT 1	43 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						
CITIC 1	Second Year — Fall Semester	2	2	0	2						
	Tech Support Functions	2	2	0	3						
	20 Database Programming I	2	2	0	3						
	10 Issues and Trends in HBI	3	0	0	3						
	20 Linux/UNIX Single User	2	2	0	3						
NOS 2	30 Windows Administration	2	2	0	3						
		<u> </u>	8	0	15						
	Second Year — Spring Semeste		O	O	13						
COM 2		3	0	0	3						
or			-								
ENG 1	Writing/Research in the Disciplines	3	0	0	3						
CTS 2	89 System Support Project	1	4	0	3						
or											
WBL 1	11 Work-Based Learning I	0	0	10	1						
and											
	15 Work-Based Learning Seminar I	1	0	0	1						
SEC 1	10 Security Concepts	2	2	0	3						
	IT Major Elective**	2-3	0-3	0	4						
		8-9	<u> </u>	0-10	12-13						

Total Credit Hours

IT – INFORMATION TECHNOLOGY SUPPORT - HEALTHCARE (DIPLOMA) (D25590E) (ONLINE) COURSE REQUIREMENTS

				Work/			
			Class	Lab	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 & Sec 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	Adv Hard/Software Support	2	3	0	3	
DBA	120	Database Programming I	2	2	0	3	
ENG	111	Writing and Inquiry	3	0	0	3	
HBI	110	Issues and Trends in HBI	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	
SEC	110	Security Concepts	2	2	0	3	
		Total Credit Hours			46		

The courses listed on this program guide are the courses currently offered online through Richmond Community College. Please speak to your advisor if you have taken courses at another college or university.

The following courses are part of the North Carolina Articulation Agreement: ACC 120, ART 111, BUS 110, BUS 115, BUS 137, CIS 110, CIS 115, COM 231, CSC 151, ECO 251, ECO 252, ENG 111, ENG 112, ENG 231, ENG 232, MAT 143, MUS 110, PHI 240, and SPA 111. The North Carolina Comprehensive Articulation Agreement is a statewide agreement governing transfer credits from North Carolina community colleges to North Carolina public universities and participating private universities. RichmondCC cannot guarantee the transfer of courses to out-of-state universities.

^{*}Approved Humanities/Fine Arts electives offered online: ART 111, ENG 231, MUS 110, PHI 240, REL 211, REL 212.

^{*}Approved Social/Behavioral Sciences electives offered online: ANT 220, HIS 131, HIS 132, HIS 236, POL 120, PSY 150, PSY 241, SOC 210, SOC 213.

^{**}Approved IT Major Electives may be selected from courses listed above.