

**Pathway from Richmond Community College's Associate in Applied Science in Information Technology – Cyber Security to Gardner-Webb University's Bachelor of Science in Computer Science with Concentration in Cyber Security**

<b>Richmond Community College</b>	<b>CREDIT HOURS</b>	<b>Gardner-Webb University</b>	<b>CREDIT HOURS</b>
<b>COURSE</b>		<b>COURSE</b>	
ACA 122 College Transfer Success	1		
ENG 111 Writing and Inquiry	3	ENG 101 English Composition I	3
Recommended: ENG 112 Writing/Research in the Disciplines	3	ENG 102 English Composition II	3
Recommended Math Elective: MAT 152 Statistical Methods I or MAT 171 Precalculus Algebra	4	MTH 105 Fundamentals of Statistics and Probability	3
Recommended Humanities / Fine Arts Elective: ART 111 Art Appreciation or MUS 110 Music Appreciation	3	Humanities / Fine Arts Requirement Met	3
Recommended Social/Behavioral Science: HIS 132 American History II or POLS 120 American Government	3	HIS 319 US 20 <sup>th</sup> Century History or PSC 302 American Government	3
CIS 115 Intro to Programming and Logic	3	Elective	3
CTI 110 Web, Program & DB Foundation	3	Elective	3
CTI 120 Networking and Security Foundation	3	Elective	3
CTS 115 Info Business System Concepts	3	Elective	3
CTS 120 Hardware/Software Support	3	CSC 111 Introduction to Computer Hardware	3
CTS 220 Advanced Hardware/Software Support	3	Elective	3
CTS 289 System Support Project or WBL	1-3		
DBA 120 Database Programming I	3	CIS 433 Database Management	3
NET 125 Introduction to Networks	3	Elective	3
NOS 120 Linux/Unix Single User	3	Elective	3
NOS 130 Windows Single User	3	Elective	3
NOS 230 Windows Administration I	3	CSC 233 Operating Systems Administration and Security	3
SEC 110 Security Concepts	3	CSC 375 Introduction to Computer and Network Security	3
SEC 160 Security Administration	3	Elective	3
WEB 140 Web Development Tools	3	Elective	3
Recommended IT Elective: CSC 151 Java Programming	3	CIS 281 Java Programming	3
<b>Richmond CC Credit Hours</b>	<b>64-65</b>	<b>Maximum Allowable Transfer Hours</b>	<b>60</b>
<b>Required General Education Courses at Gardner-Webb University</b>			
LIB Information Literacy in IT			1
ART 307 Art Survey or MUS 320 Survey of Music		(See Transfer Credit Above)	0
BAD 325 Business Communications			3
ENG 101 Composition I		(See Transfer Credit Above)	0
ENG 102 Composition II		(See Transfer Credit Above)	0
ENG 232 American Literature II			3
HPE 338 Health and Wellness			3
SCI 302(Physical Science) or SCI 303 (Human Biology) or SCI 322 (Environmental Science)			3
SCI 302(Physical Science) or SCI 303 (Human Biology) or SCI 322 (Environmental Science)			3
HIS 319 US 20 <sup>th</sup> Century History		(See Transfer Credit Above)	0
PSC 302 American Government			3
MTH 105 Fundamentals of Statistics and Probability		(See Transfer Credit Above)	0

REL 300 Old Testament Survey		3
REL 301 New Testament Survey		3
<b>Required Courses for Cybersecurity/Computer Science Major</b>		
CSC 201 Programming Language I		3
CSC 202 Programming Language II		3
CSC 281 Java Programming or CSC 285 C programming	(See Transfer Credit Above)	0
CSC 361 Operating Systems and Architecture		3
CSC 375 Introduction to Computer and Network Security	(See Transfer Credit Above)	0
CSC 460 Data Communications and Networking		3
CSC 481 Capstone		1
CIS 433 Database Management	(See Transfer Credit Above)	0
CJC 460 Cybercrime		3
<b>Cyber Security Courses</b>		
CSC 111 Introduction to Computer Hardware	(See Transfer Credit Above)	0
CSC 222 Network Defense		3
CSC 233 Operating Systems Administration and Security	(See Transfer Credit Above)	0
CSC 376 Intermediate Cybersecurity		3
CSC 453 Introduction to Cloud Security		3
CSC 454 Introduction to Penetration Testing		3
CSC 456 Incident Response and Contingency Planning		3
<b>Elective Hours</b>		<b>4</b>
		<b>Gardner-Webb Hours</b>
		<b>60</b>
		<b>Total Hours</b>
		<b>120</b>

### Academic Guidelines

- 1) A student can receive transfer credit for courses according to this list of equivalencies set forth within the attached Transfer Plan. To receive credit for a course, a student must have earned a "C" 2.0 or better in that course. Other courses taken will be evaluated for transfer on a course by course basis by the Gardner-Webb University Registrar Services.
- 2) Students who do not have transfer credit for ENG 101, will need to register for this course during their first semester.
- 3) Enrollment in LIB 301 is mandatory each semester until the course is successfully completed.
- 4) Grades of "C" (2.0) or higher are required on all major courses.
- 5) A "C minus" or lower will not meet graduation requirements and the course will need to be repeated at GWU.
- 6) A minimum grade point average of 2.00 on a 4.00 scale is required for graduation on all course work attempted at GWU (see institution GPA).
- 7) Completion of a minimum of 60 credit hours with Gardner-Webb is required to be considered for graduation honors.
- 8) Students transferring from accredited two-year colleges may transfer up to 60 semester hours. Students are required to complete a minimum of 60 credit hours at senior (4-year) colleges or universities, with at least the final 30 hours with Gardner-Webb.
- 9) Students must complete at least 120 total semester hours and meet all curriculum requirements in order to be eligible for graduation.