

III. A.A.S. in Cyber Security – B.S. in Secure Computing and Information Assurance Transfer Courses

The following indicates the transfer of course agreement between BRCTC and Frostburg State University:

a. General Education Requirements to be completed at BRCTC (9 credits)

	Blue Ridge Community and Technical College Equivalent	Explanation/Notes
ENGLISH COMPOSITION (3 credits)	ENGL 101	Students must take ENGL 101 and <u>not</u> ENGL 110. ENGL 110 transfers to FSU as an elective only.
MATHEMATICS (3 credits)	MATH 105	Required under the major – Transfers as MATH 119
FSU Colloquium (3 credits)	COMM 202 Fundamentals of Speech	

b. Degree Program Requirements to be Completed at Blue Ridge Community and Technical College (15 credits)

The B.S. degree with a major in Computer Science at Frostburg State University requires students to successfully complete the following course work. Some of these courses also may meet general education requirements, as indicated above.

Frostburg State University		BRCTC Program Equivalent	
Course Number	Course Title	Credit Hours	
SCIA 120	Intro. To Secure Computing and Information Assurance	3.0	CYBR 160 (should be selected as a BRCTC program elective)
COSC 240	Computer Science I	3.0*	SDE 195
SCIA 370	Security Policy and Assessment	3.0**	CYBR 125 and 190
SCIA 470	Computer and Network Forensics I	3.0	CYBR 283 (should be selected as a BRCTC elective)
COSC 305	Computer Ethics	3.0	IT 105
CMST 102	Intro. To Human Communication		COMM 202 (Already in GEP above)
TOTAL Program Credits = 15			

*3 credits at BRCTC and 4 credits at FSU – transfers to FSU as 3 credits.

**Transfers to FSU as 3 credits.

c. Additional A.A.S. Requirements to be Completed at Blue Ridge Community and Technical College (27 credits):

The B.S. degree with a major in Secure Computing and Information Assurance at FSU requires students to successfully complete the following course work. Some of these courses also may meet general education requirements, as indicated above.

Frostburg State University			BRCTC Program Equivalent
Course Number	Course Title	Credit Hours	
Elective credit toward the 120 credits required for graduation		27.0	CNET 121 CNET 131 CNET 141 CYBR 192 CYBR 210 CYBR 284 CYBR 292 IT 185 IT 269 OR CYBR 290
TOTAL Program Credits = 27			

d. Additional General Education Requirements to be Completed at FSU (30-31 credits)

	FSU Course	Explanation/Notes
ADVANCED COMPOSITION (3 credits)	ENGL 338	
FINE AND PERFORMING ARTS (3 credits)	See approved list	
HUMANITIES (6 credits)	See approved list	
NATURAL SCIENCES (7-8 credits)	See approved list	
SOCIAL SCIENCES (6 credits)	See approved list	
FSU Colloquium (3 credits)	IDIS 150	COMM 202 from BRCTC fulfills the other 3 credits required.
Identity and Difference (3 credits)	See approved list	

e. Degree Requirements to be Completed at FSU (50-51 credits)

All FSU bachelor's degree candidates must complete a minimum of 39 upper-division (300-400) credit hours.

Frostburg State University		Notes	
Course Number	Course Title	Credit Hours	
COSC 101	The Discipline of Computer Science	3.0	
COSC 102	Foundations of Computer Science	3.0	
SCIA 210	Intro. to Cyber Law	3.0	
COSC 241	Computer Science II	4.0	
SCIA 340	Secure Databases	3.0	
SCIA 489	Capstone Course	1.0	
COSC 331	Fundamentals of Computer Networks	3.0	
SCIA 325	Software Security Engineering	3.0	
SCIA 335	Network Security	3.0	
SCIA 360	Operating System Security	3.0	
SCIA 460	Cloud Computing and Security	3.0	
SCIA 471	Computer and Network Forensics II	3.0	
SCIA 472	Hacking Exposed and Incident Response	3.0	
ENGL 338	Technical Writing		Also fulfills FSU general education requirement – credits included above
MATH 109 or 380	Statistics	3.0	
MATH 220 or 236	Calculus	3.0-4.0	
Major elective	<u>Select 6 credits from:</u> ITEC 442 SCIA 425 SCIA 435 SCIA 480 SCIA 485 SCIA 491 SCIA 494 SCIA 499	6.0	IT 105 at BRCTC fulfills additional 3 credits required
Total = 50-51 credits			