ARTICULATION AGREEMENT

Blue Ridge Community and Technical College
Associate of Applied Science – Cyber Security

Frostburg State University
Bachelor of Science in Secure Computing and Information Assurance

Entered into this _____ day of _____, 2018.

_____
Ronald H. Nowaczyk, Ph.D.
President
Frostburg State University

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Peter G. Checkovich, Ed.D.
President
Blue Ridge Community and Technical College

_____
Elizabeth Throop, Ph.D.
Provost
Frostburg State University

_____
Dorothy I. Campbell, Ph.D.
Interim Dean
College of Liberal Arts and Sciences
Frostburg State University

_____
George B. Rinard, Ph.D.
Chair Department of Computer Science and
Information Technologies
Frostburg State University
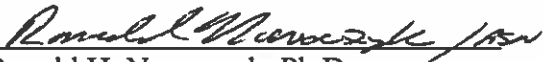
This agreement will be reviewed annually.

ARTICULATION AGREEMENT

Blue Ridge Community and Technical College, Associate of Applied Science– Cyber Security
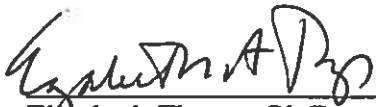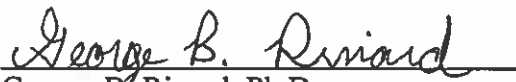Frostburg State University, Bachelor of Science in Secure Computing and Information Assurance

RECITALS

Blue Ridge Community and Technical College (hereafter referred to as "BRCTC"), a community college in Martinsburg, West Virginia, and Frostburg State University ("FSU"), a comprehensive regional institution in Western Maryland and a constituent institution of the University System of Maryland, agree to offer an articulated program leading to the award of an Associate of Applied Science (A.A.S.) Degree and a Bachelor of Science (B.S.) in Secure Computing and Information Assurance. The parties further agree that students from BRCTC, through this articulation agreement, will be permitted to transfer credits earned for the A.A.S. at Blue Ridge Community and Technical College to FSU, leading to the award of the B.S. degree in Secure Computing and Information Assurance at FSU.

I. Purpose

a. It is the intent that this articulation agreement will facilitate a smooth transition from completion of Blue Ridge Community and Technical College's Associate of Applied Science in Cyber Security to the B.S. in Secure Computing and Information Assurance program at FSU. As a result of this articulation agreement, BRCTC graduates will understand how FSU transfers the credits earned at BRCTC. This agreement provides a systematic plan for students to receive both the A.A.S. degree from BRCTC and the B.S. degree in Secure Computing and Information Assurance from FSU.

b. This agreement sets forth a clear set of responsibilities and expectations for both institutions. The parties agree to work collaboratively to meet the needs of BRCTC graduates in facilitating transfer to FSU.

c. BRCTC encourages graduates to continue their educational pathway in Cyber Security for both personal and professional development, as well as career advancement in the Cyber Security profession. This articulation agreement for completion of the B.S. in Secure Computing and Information Assurance facilitates students' successful achievement of credentials in the field.

II. Requirements of the Program

a. The program is designed for graduates of the A.A.S. in Cyber Security at Blue Ridge Community and Technical College. Students must complete the A.A.S. degree at BRCTC in order to participate in the transfer program. A maximum of seventy (70) credit hours from BRCTC will be allowed toward fulfillment of the one hundred twenty (120) credit hours required for completion of the B.S. degree. Students are limited to a maximum of ninety (90) credits when transferring courses from other four-year colleges and universities.

b. Cyber Security students from BRCTC will have their coursework evaluated by FSU to determine which FSU general education requirements and discipline requirements have been met. BRCTC courses shall be evaluated by FSU for transferability, and FSU shall accept courses for transfer at its sole discretion. By taking full advantage of the BRCTC-FSU course agreements described below, the transfer student will matriculate at FSU with junior standing.

c.   In accordance with Code of Maryland Regulations (COMAR), all courses meeting general education requirements at BRCTC will transfer to FSU as general education courses (up to a maximum of 36 credits).

d.   Students must maintain a minimum of a 2.0 cumulative grade point average in order to transfer to the FSU Secure Computing and Information Assurance Program.

e.   The maximum number of credits that will be accepted by FSU toward degree requirements from non-direct classroom instruction (including CLEP, AP, IB and FSU Special Departmental examination scores) is thirty (30) credits. Tech Prep credits will transfer where appropriate, as will credit awarded for experiential learning ("life experience") if recorded on BRCTC's transcript.

f.   BRCTC students who have completed the A.A.S. in Cyber Security degree will be given every consideration for financial assistance and will be eligible to compete for academic scholarships at FSU.

g.   This agreement becomes effective on the date set forth on the first page of this document. BRCTC and FSU agree to publicize this program. The parties further agree to monitor the performance of the program and to make revisions as may be mutually agreed upon as necessary. Curricula for Cyber Security programs undergo frequent change and this agreement will be amended to reflect such changes as they occur. Amendments will be made in writing and appended to this agreement. Amendments need only be approved by the deans and chairs from both institutions.

h.   This agreement may be terminated by either party with ninety (90) days written notice to the other. The parties agree that termination shall include an agreement that students currently enrolled in the program at the time of termination shall be permitted to complete the program as described herein.

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 Blue Ridge Community and Technical College and FSU:

a. General Education Requirements to be Completed at Blue Ridge Community and Technical College (9 credits)

	Blue Ridge Community and Technical College Equivalent	Explanation/Notes
ENGLISH COMPOSITION (3 credits)	ENGL 101	Students must take ENGL 101 and not 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 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	
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. <u>Additional General Education Requirements to be Completed at FSU (30-31 credits)</u>

	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. <u>Degree Requirements to be Completed at FSU (50-51 credits)</u>
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	Select 6 credits from: 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			

e.   Course Sequencing

Cyber Security students transferring to the B.S. in Secure Computing and Information Assurance Program at FSU shall be notified by BRCTC and FSU that the curriculum is built upon a series of established course sequences. For students to progress through the program, they must have the appropriate pre-requisites, co-requisites, and must maintain a minimum 2.0 GPA.

Students wishing to participate in the program should develop an education plan at BRCTC by contacting:

Anthony Hanners
Workforce Development Department
304-260-4380 (x3334)
ahanners@blueridgectc.edu

BRCTC will direct students interested in participating in the B.S. in Computer Science program to apply for admission to FSU, indicating Computer Science as the intended major. Applications can be submitted online at: www.frostburg.edu.

Contact person at FSU for the program is:

Brad Rinard
Chair, Department of Computer Science and Information Technologies
Frostburg State University
(301) 687-4719
brinard@frostburg.edu