Transfer Articulation Agreement for Baccalaureate Degree
between
Valencia College and University of Maine at Augusta

Valencia College and the University of Maine at Augusta (UMA) have entered into this transfer articulation agreement. The purpose is to facilitate student academic transfer and provide a smooth transition from a two-year college to a university. It is recognized that this agreement shall describe the required program of study at Valencia College for admission to UMA and the Baccalaureate Degree Indicated.

Term and Conditions of Academic Credit Transfer

To: **Bachelor of Science in Cybersecurity**
(Name of UMA Academic Program/Degree)

From: **Associate in Science Degree in Network Engineering Technology**
(Name of Valencia Academic Program/Degree)

The evaluation and transfer of earned college credits shall be in compliance with state and federal education policies and institutional and academic program accreditation standards pertaining to undergraduate academic transfer. Current students and graduates who have earned degrees from Valencia College shall be eligible for credit evaluation under the terms of this agreement.

Transfer students will be accorded the same standards and criteria for admission to a major degree sequence as UMA students. All applications accepted to UMS's Baccalaureate programs must fulfill the graduation requirements of the granting institution as Identified in Appendices A, B, C, D, E, F, and G.

Appendix A contains admissions and graduation requirements of the receiving institution
Appendix B contains side by side course equivalency tables for the academic program listed above
Appendix C contains check sheets for each focus area showing transferred courses
Appendix D contains general education requirements agreement
Appendix E contains core courses that can be taken at Valencia
Appendix F contains remaining courses at UMA based on focus Area
Appendix G contains enrollment options
Note: the information contained in Appendices A, B, C, D, E, and F is accurate for Catalog year 2018 – 2019 and the current transfer equivalency.

APPENDIX A – UMA Admissions and Graduation Requirements

Articulation Implementation and Agreement Review

The Chief Academic Officer designee of the collaborating institutions shall be responsible for implementing this agreement, for identifying and incorporating any changes into subsequent agreements, and for conducting a periodical review of this agreement.

Terms of the Agreement

This agreement becomes effective upon date of latest signature and will be reviewed annually for renewal discussion in accordance with the provisions stated throughout. This Agreement may be extended or renewed upon written agreement of the Parties.

This Agreement may be terminated by either party upon written notice to the other party given at least thirty (30) days in advance of the Termination date. However, it is understood and agreed that any student participating in the Valencia degree programs identified in the agreement specifically tracked for admission to UMA or already admitted to UMA due to this Agreement will be allowed to complete the Program, notwithstanding the termination provisions above, so long as the student remains in good academic standing and is making measured progress towards completion of a degree program. A student who satisfies these requirements will continue to receive the full benefit of any scholarship(s) awarded pursuant of this Agreement, notwithstanding the termination of the Agreement, provided that the scholarship(s) was awarded prior to the date of the written notice of termination required by this section.

This Agreement is subject to change or modification by mutual written consent between the Parties hereto. It is understood and agreed, however, that this Agreement may be modified unilaterally by either Valencia College or UMA as may be necessary to bring it within the purview of and in accord with the directives of the Presidents, and institutional policies. However, it is understood and agreed that no such modifications shall negate the participation of any student participating in the Valencia degree programs identified in this Agreement specifically tracked for admission to UMA or already admitted to UMA so long as the student remains in good academic standing and is making measured progress towards completion of a degree program.

Valencia College will:
- Provide the opportunity for UMA to participate in Valencia's annual College Night.

- Provide UMA admission requirement information to all prospective Valencia-UMA transfer students.
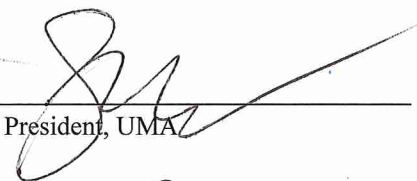
APPENDIX A – UMA Admissions and Graduation Requirements

- Provide the opportunity for UMA staff to make a 10 minute presentation at a Dean of Students staff meeting on each campus once a year.

- Valencia grants UMA the right to use the college's name and logo in writing for purposes of this agreement only and only upon prior approval by Valencia for each use.

UMA will:
- Provide matriculation data to Valencia. Within one (1) year of the execution of this Agreement, UMA shall provide the most recent annual report then available that includes the number of students that matriculate at UMA and the program areas in which students matriculate to the Assistant Vice President of Curriculum and Assessment at Valencia. UMA shall continually provide any additional reports that become available during the term of this Agreement to the Assistant Vice President of Curriculum and Assessment at Valencia as they become available.

- Receive approval from Valencia College prior to publishing materials pertaining to this agreement.

Signatures to This Agreement

President, Valencia College	3/27/2018 — Date	President, UMA — 3.26.18 — Date
Provost, Valencia College	Date	Provost, UMA — 3/26/2018 — Date
Dean, Valencia College	Date	Dean, UMA — Brenda McCleer 3/26/2018 — Date
Department Chair, Valencia College	Date	Department Chair, UMA — Date

APPENDIX A – UMA Admissions and Graduation Requirements

This agreement includes specific requirements for admission into the Bachelor of Science in Cyber Security, outlines requirements, and indicates which degree and diploma can be used to meet program prerequisites as well as general education, major program requirements, and graduation requirements.

Admission Requirements

Successful completion of the Associate in Science Degree in Network Engineering Technology from Valencia College, completion and submission of admission application, transcripts and other supporting materials. For a list of application instructions and checklist: http://www.uma.edu/admission/apply/

Requirements for the Bachelor of Science in Cybersecurity:

To be awarded a Bachelor of Science in Cybersecurity for the University of Maine at Augusta the following requirements need to be met:

Minimum of 121 credit hours
A writing intensive course
Minimum cumulative GPA of 2.0
30 credit hours of residency courses (these are UMA courses taken)
9 credits of upper-level major residency courses
Minimum GPA in the major of 2.0

Additional Institutional Contact Information

Academic Affairs, Curriculum Coordinator, Valencia College

Name: Glenn Ricci   E-mail: gricci2@valenciacollege.edu   Phone: 407-589-3457

Academic Department Chair, University of Maine at Augusta

Name: Henry J. Felch   E-mail: henry.felch@maine.edu   Phone: (207) 621-3371

Valencia courses mapped to University of Maine at Augusta courses

The table below shows the mapping of Valencia classes to those at the University of Maine at Augusta for use in the Bachelor of Science in Cybersecurity. The course highlighted in Blue are all upper level courses that students from Valencia will get credit for.

Valencia		University of Maine at Augusta	
ENC 1101	Freshman Composition 1	ENG 101	College Writing
CET 2178C	Computer Hardware	CIS 220	Hardware/Software
CET 2486C	Local Area Networks	CIS 240	Networking Concepts
Humanities	Gen. Ed. Requirement		Humanities elective
COP 1000C	Intro to Programming Concepts	CIS 110	Programming Fundamentals
MAC 1105	College Algebra	MAT 111	Algebra II or higher
POS 2041	U.S. Government		Social Science elective
SLS 1122	Gen Ed. New Student Experience		general elective
CNT 2417C	Identity Security	ISS 262	Identity Security and Management
CET 1610C	Cisco Router Technology		CIS 2xx
CET 2792C	Install & Configure Window Server		CIS 2xx
CET 2660C	Linux Networking & Security	CIS 221	Linux
CET 2830C	Information Security *	ISS 210	Introduction to Information Security
CET 2544C	Computer Virtualization Technology	CIS 345	Virtual Systems
CET 2793C	Windows Server Administration	CIS 244	Windows Server Administration
CTS 2322C	Red Hat Linux Systems Administration	CIS 246	Linux Server Administration
CET 2942	Internship or Social Networking Job Search		CIS 2xx
CET 2615C	Routing and Switching in the Enterprise	CIS 241	Routing and Switching Essentials
CET 2620C	WAN Architecture & Perimeter Security	CIS 245	Wireless Networks
CNT 2426C	Cloud Infrastructure Security	ISS 260	Cloud Security
CET 2892C	Network Infrastructure Security	CIS 440	Network Security
CNT 2413C	Network Forensics & Incident Response	ISS 360	Incident Response
CET 2810C	Digital Forensics 1	ISS 232	Introduction to Cyber Forensics
CET 2812C	Digital Forensics 2	ISS 332	System Forensics I
CNT 2414C	Cybercrime Investigation	ISS 432	Cyber Investigation
CET 2892C	Ethical Hacking	ISS 412	Cyber Security II
CET 2894C	Projects in Cyber Security	ISS 410	Cyber Security I
CGS 2545C	Database Management Systems	CIS 255	Database Design

APPENDIX C – Cybersecurity Check Sheets by Focus Area

The Cybersecurity degree at UMA is comprised of three specific areas: the core cybersecurity courses, focus areas, and general education requirements. Students will be placed into the General focus area unless a focus area is specified on the application.

Currently UMA offers four (4) focus areas for students:

- General Focus
- Information Assurance
- Network Security Analyst
- Cyber Forensics

This appendix contains the current Cybersecurity degree check sheet by focus area showing a side by side comparison of UMA courses and Valencia College courses transferring to UMA

APPENDIX C – Cybersecurity Check Sheets by Focus Area

Bachelor of Science Cybersecurity with General Focus

Minimum 121 Credit Hours
Writing Intensive Course
30 Credit Hours of Residency Courses (UMA Courses)
9 Credits of Upper-Level Major Residency Courses
Minimum Cumulative GPA - 2.00
Minimum GPA in the Major - 2.00

CRS ID	Course Name	CH	Valencia College CRS ID - Course Name
CIS 101	Introduction to Computer Science	3	
CIS 110	Programming Fundamentals	3	COP 1000C - Intro to Programming Concepts
	200- level Programming language (Java, C++, C#)	3	
CIS 221	Linux	3	CET 2660C - Linux Networking & Security
CIS 240	Networking Concepts	3	CET 2486C - Local Area Networks
CIS 255	Database Design	3	CGS 2545C – Database Management Systems
CIS 330	Systems Analysis	3	
CIS 440	Network Security	3	CET 2892C - Network Infrastructure Security
CIS 460	Computers & Culture	3	
ISS 210	Introduction to Information Security	3	CET 2830C - Information Security
ISS 232	Introduction to Cyber Forensics	3	CET 2810C - Digital Forensics 1
ISS 340	Computer Security	3	
ISS 410	Cyber Security I	3	CET 2894C - Projects in Cyber Security
ISS 380	Cybersecurity Internship	3	
	200-level or higher ISS elective *CIS 244 Windows Server Administration*	3	CET 2793C - Windows Server Administration
	200-level or higher ISS elective *CIS 246 Linux Server Administration*	3	CTS 2322C - Red Hat Linux Systems Administration
	300-level or higher ISS elective *ISS 262 Identity Security and Management*	3	CNT 2417C - Identity Security
	300-level or higher ISS elective *CIS 345 Virtual Systems*	3	CET 2544C - Computer Virtualization Technology
	300-level or higher ISS elective	3	
MAT 115	Elementary Statistics I	3	
BUA 223	Principles of Management	3	
BUA 365	Organizational Behavior	3	
		66	

General Focus Area			
ISS 320	Security Analytics	3	
ISS 332	System Forensics I	3	CET 2812C - Digital Forensics 2
ISS 360	Incident Response	3	CNT 2413C - Network Forensics & Incident Response
ISS 470	Information Security Management	3	
	200-level or higher ISS elective *CIS 241 Routing and Switching Essentials*	3	CET 2615C - Routing and Switching in the Enterprise
	300-level or higher ISS elective *ISS 412 Cyber Security II*	3	CET 2892C - Ethical Hacking
	300-level or higher ISS elective	3	
		21	

Genral Education Requirements			
	Complete any 100-level Communications course	3	
ENG 101	College Writing	3	ENC 1101 - Freshman Composition 1
ENG 317W	Professional Writing	3	
	Fine Arts elective	3	
	ART 1xx any 100-level Art course *DRA xxx any Drama course* *ENG 351 Creative Writing I* *ENG 452 Creative Writing II* *MUH 1xx any 100-level Music History course* *MUS 1xx any 100-level Music course*		
	Humanities elective	3	Humanities
	Humanities elective	3	
	AME xxx any American Studies course *ARH 105 History of Art & Architecture I* *ARH 106 History of Art & Architecture II* *DRA xxx any Drama course* *ENG xxx any English course (except ENG 101 or 317w)* *FRE xxx any French course* *HGH xxx any Holocaust, Human Rights & Genocide course* *HTY xxx any History course* *HUM xxx any Humanities course* *MUH xxx any Music History course* *PHI xxx any Philosophy course (except PHI 135 or 335)* *SPA xxx any Spanish course* *WGS xxx any Women and Gender Studies course*		
MAT 111	Algebra II or higher	3	MAC 1105 - College Algebra
	100-level Laboratory Science course	4	
	Social Science elective	3	POS 2041 - U.S. Government
	Social Science elective	3	
	ANT 1xx any 100-level anthropology course *ECO 1xx any 100-level economics course* *ECO 201 Macroeconomics* *ECO 202 Microeconomics* *JUS 1xx any 100-level justice studies course* *POS 1xx any 100-level political science course* *PSY 1xx any 100-level psychology course* *SOC 1xx any 100-level sociology course* *SSC 1xx any 100-level social science course*		
		31	

General Elective			
	100-level or higher general elective	3	SLS 1122 - Gen Ed. New Student Experience

Total Credit Hours   121

APPENDIX C – Cybersecurity Check Sheets by Focus Area

Bachelor of Science Cybersecurity with Information Assurance Focus

Minimum 121 Credit Hours
Writing Intensive Course
30 Credit Hours of Residency Courses (UMA Courses)
9 Credits of Upper-Level Major Residency Courses
Minimum Cumulative GPA - 2.00
Minimum GPA in the Major - 2.00

CRS ID	Course Name	CH	Valencia College CRS ID - Course Name
CIS 101	Introduction to Computer Science	3	
CIS 110	Programming Fundamentals	3	COP 1000C - Intro to Programming Concepts
	200- level Programming language (Java, C++, C#)	3	
CIS 221	Linux	3	CET 2660C - Linux Networking & Security
CIS 240	Networking Concepts	3	CET 2486C - Local Area Networks
CIS 255	Database Design	3	CGS 2545C – Database Management Systems
CIS 330	Systems Analysis	3	
CIS 440	Network Security	3	CET 2892C - Network Infrastructure Security
CIS 460	Computers & Culture	3	
ISS 210	Introduction to Information Security	3	CET 2830C - Information Security
ISS 232	Introduction to Cyber Forensics	3	CET 2810C - Digital Forensics 1
ISS 340	Computer Security	3	
ISS 410	Cyber Security I	3	CET 2894C - Projects in Cyber Security
ISS 380	Cybersecurity Internship	3	
	200-level or higher ISS elective *CIS 244 Windows Server Administration*	3	CET 2793C - Windows Server Administration
	200-level or higher ISS elective *CIS 246 Linux Server Administration*	3	CTS 2322C - Red Hat Linux Systems Administration
	300-level or higher ISS elective *ISS 262 Identity Security and Management*	3	CNT 2417C - Identity Security
	300-level or higher ISS elective *CIS 345 Virtual Systems*	3	CET 2544C - Computer Virtualization Technology
	300-level or higher ISS elective *ISS 412 Cyber Security II*	3	CET 2892C - Ethical Hacking
MAT 115	Elementary Statistics I	3	
BUA 223	Principles of Management	3	
BUA 365	Organizational Behavior	3	

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Information Assurance Focus Area			
ISS 220	Security Risk Management	3	
ISS 240	Security Policy and Governance	3	
ISS 250	Auditing IT Infrastructures	3	
ISS 310	Information Security Architecture	3	
ISS 320	Security Analytics	3	
ISS 360	Incident Response	3	CNT 2413C - Network Forensics & Incident Response
ISS 470	Information Security Management	3	
ISS 220	Security Risk Management	3	
ISS 240	Security Policy and Governance	3	

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APPENDIX C – Cybersecurity Check Sheets by Focus Area

Genral Education Requirements			
	Complete any 100-level Communications course	3	
ENG 101	College Writing	3	ENC 1101 - Freshman Composition 1
ENG 317W	Professional Writing	3	
	Fine Arts elective	3	
	ART 1xx any 100-level Art course *DRA xxx any Drama course* *ENG 351 Creative Writing I* *ENG 452 Creative Writing II* *MUH 1xx any 100-level Music History course* *MUS 1xx any 100-level Music course*		
	Humanities elective	3	Humanities
	Humanities elective	3	
	AME xxx any American Studies course *ARH 105 History of Art & Architecture I* *ARH 106 History of Art & Architecture II* *DRA xxx any Drama course* *ENG xxx any English course (except ENG 101 or 317w)* *FRE xxx any French course* *HGH xxx any Holocaust, Human Rights & Genocide course* *HTY xxx any History course* *HUM xxx any Humanities course* *MUH xxx any Music History course* *PHI xxx any Philosophy course (except PHI 135 or 335)* *SPA xxx any Spanish course* *WGS xxx any Women and Gender Studies course*		
MAT 111	Algebra II or higher	3	MAC 1105 - College Algebra
	100-level Laboratory Science course	4	
	Social Science elective	3	POS 2041 - U.S. Government
	Social Science elective	3	
	ANT 1xx any 100-level anthropology course *ECO 1xx any 100-level economics course* *ECO 201 Macroeconomics* *ECO 202 Microeconomics* *JUS 1xx any 100-level justice studies course* *POS 1xx any 100-level political science course* *PSY 1xx any 100-level psychology course* *SOC 1xx any 100-level sociology course* *SSC 1xx any 100-level social science course*		

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General Elective			
	100-level or higher general elective	3	SLS 1122 - Gen Ed. New Student Experience

Total Credit Hours   121

APPENDIX C – Cybersecurity Check Sheets by Focus Area

Bachelor of Science Cybersecurity with Network Security Analyst Focus

Minimum 121 Credit Hours
Writing Intensive Course
30 Credit Hours of Residency Courses (UMA Courses)
9 Credits of Upper-Level Major Residency Courses
Minimum Cumulative GPA - 2.00
Minimum GPA in the Major - 2.00

CRS ID	Course Name	CH	Valencia College CRS ID - Course Name
CIS 101	Introduction to Computer Science	3	
CIS 110	Programming Fundamentals	3	COP 1000C - Intro to Programming Concepts
	200- level Programming language (Java, C++, C#)	3	
CIS 221	Linux	3	CET 2660C - Linux Networking & Security
CIS 240	Networking Concepts	3	CET 2486C - Local Area Networks
CIS 255	Database Design	3	CGS 2545C – Database Management Systems
CIS 330	Systems Analysis	3	
CIS 440	Network Security	3	CET 2892C - Network Infrastructure Security
CIS 460	Computers & Culture	3	
ISS 210	Introduction to Information Security	3	CET 2830C - Information Security
ISS 232	Introduction to Cyber Forensics	3	CET 2810C - Digital Forensics 1
ISS 340	Computer Security	3	
ISS 410	Cyber Security I	3	CET 2894C - Projects in Cyber Security
ISS 380	Cybersecurity Internship	3	
	200-level or higher ISS elective *CIS 244 Windows Server Administration*	3	CET 2793C - Windows Server Administration
	200-level or higher ISS elective *CIS 246 Linux Server Administration*	3	CTS 2322C - Red Hat Linux Systems Administration
	300-level or higher ISS elective *ISS 262 Identity Security and Management*	3	CNT 2417C - Identity Security
	300-level or higher ISS elective *ISS 360 Incident Response*	3	CNT 2413C - Network Forensics & Incident Response
	300-level or higher ISS elective	3	
MAT 115	Elementary Statistics I	3	
BUA 223	Principles of Management	3	
BUA 365	Organizational Behavior	3	

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Network Security Analyst Focus Area			
CIS 241	Routing and Switching Essentials	3	CET 2615C - Routing and Switching in the Enterprise
CIS 345	Virtual Systems	3	CET 2544C - Computer Virtualization Technology
ISS 320	Security Analytics	3	
ISS 332	System Forensics I	3	CET 2812C - Digital Forensics 2
ISS 412	Cybersecurity II	3	CET 2892C - Ethical Hacking
ISS 432	Systems Forensics II (Cyber Investigations)	3	CNT 2414C - Cybercrime Investigation
ISS 470	Information Security Management	3	

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APPENDIX C – Cybersecurity Check Sheets by Focus Area

Genral Education Requirements			
	Complete any 100-level Communications course	3	
ENG 101	College Writing	3	ENC 1101 - Freshman Composition 1
ENG 317W	Professional Writing	3	
	Fine Arts elective	3	
	ART 1xx any 100-level Art course *DRA xxx any Drama course* *ENG 351 Creative Writing I* *ENG 452 Creative Writing II* *MUH 1xx any 100-level Music History course* *MUS 1xx any 100-level Music course*		
	Humanities elective	3	Humanities
	Humanities elective	3	
	AME xxx any American Studies course *ARH 105 History of Art & Architecture I* *ARH 106 History of Art & Architecture II* *DRA xxx any Drama course* *ENG xxx any English course (except ENG 101 or 317w)* *FRE xxx any French course* *HGH xxx any Holocaust, Human Rights & Genocide course* *HTY xxx any History course* *HUM xxx any Humanities course* *MUH xxx any Music History course* *PHI xxx any Philosophy course (except PHI 135 or 335)* *SPA xxx any Spanish course* *WGS xxx any Women and Gender Studies course*		
MAT 111	Algebra II or higher	3	MAC 1105 - College Algebra
	100-level Laboratory Science course	4	
	Social Science elective	3	POS 2041 - U.S. Government
	Social Science elective	3	
	ANT 1xx any 100-level anthropology course *ECO 1xx any 100-level economics course* *ECO 201 Macroeconomics* *ECO 202 Microeconomics* *JUS 1xx any 100-level justice studies course* *POS 1xx any 100-level political science course* *PSY 1xx any 100-level psychology course* *SOC 1xx any 100-level sociology course* *SSC 1xx any 100-level social science course*		
		31	

General Elective			
	100-level or higher general elective	3	SLS 1122 - Gen Ed. New Student Experience

Total Credit Hours   121

APPENDIX C – Cybersecurity Check Sheets by Focus Area

Bachelor of Science Cybersecurity with Cyber Forensics Focus

Minimum 121 Credit Hours
Writing Intensive Course
30 Credit Hours of Residency Courses (UMA Courses)
9 Credits of Upper-Level Major Residency Courses
Minimum Cumulative GPA - 2.00
Minimum GPA in the Major - 2.00

CRS ID	Course Name	CH	Valencia College CRS ID - Course Name
CIS 101	Introduction to Computer Science	3	
CIS 110	Programming Fundamentals	3	COP 1000C - Intro to Programming Concepts
	200- level Programming language (Java, C++, C#)	3	
CIS 221	Linux	3	CET 2660C - Linux Networking & Security
CIS 240	Networking Concepts	3	CET 2486C - Local Area Networks
CIS 255	Database Design	3	CGS 2545C – Database Management Systems
CIS 330	Systems Analysis	3	
CIS 440	Network Security	3	CET 2892C - Network Infrastructure Security
CIS 460	Computers & Culture	3	
ISS 210	Introduction to Information Security	3	CET 2830C - Information Security
ISS 232	Introduction to Cyber Forensics	3	CET 2810C - Digital Forensics 1
ISS 340	Computer Security	3	
ISS 410	Cyber Security I	3	CET 2894C - Projects in Cyber Security
ISS 380	Cybersecurity Internship	3	
	200-level or higher ISS elective *CIS 244 Windows Server Administration*	3	CET 2793C - Windows Server Administration
	200-level or higher ISS elective *CIS 246 Linux Server Administration*	3	CTS 2322C - Red Hat Linux Systems Administration
	300-level or higher ISS elective *ISS 262 Identity Security and Management*	3	CNT 2417C - Identity Security
	300-level or higher ISS elective *CIS 345 Virtual Systems*	3	CET 2544C - Computer Virtualization Technology
	300-level or higher ISS elective *ISS 412 Cyber Security II*	3	CET 2892C - Ethical Hacking
MAT 115	Elementary Statistics I	3	
BUA 223	Principles of Management	3	
BUA 365	Organizational Behavior	3	
		66	

Network Security Analyst Focus Area			
ISS 320	Security Analytics	3	
ISS 332	System Forensics I	3	CET 2812C - Digital Forensics 2
ISS 334	Cyber Law	3	
ISS 360	Incidence Response	3	CNT 2413C - Network Forensics & Incident Response
ISS 432	Systems Forensics II (Cyber Investigations)	3	CNT 2414C - Cybercrime Investigation
ISS 434	Mobile Forensics	3	
ISS 436	Digital Evidence Analysis	3	
		21	

APPENDIX C – Cybersecurity Check Sheets by Focus Area

Genral Education Requirements			
	Complete any 100-level Communications course	3	
ENG 101	College Writing	3	ENC 1101 - Freshman Composition 1
ENG 317W	Professional Writing	3	
	Fine Arts elective	3	
	ART 1xx any 100-level Art course *DRA xxx any Drama course* *ENG 351 Creative Writing I* *ENG 452 Creative Writing II* *MUH 1xx any 100-level Music History course* *MUS 1xx any 100-level Music course*		
	Humanities elective	3	Humanities
	Humanities elective *AME xxx any American Studies course* *ARH 105 History of Art & Architecture I* *ARH 106 History of Art & Architecture II* *DRA xxx any Drama course* *ENG xxx any English course (except ENG 101 or 317w)* *FRE xxx any French course* *HGH xxx any Holocaust, Human Rights & Genocide course* *HTY xxx any History course* *HUM xxx any Humanities course* *MUH xxx any Music History course* *PHI xxx any Philosophy course (except PHI 135 or 335)* *SPA xxx any Spanish course* *WGS xxx any Women and Gender Studies course*	3	
MAT 111	Algebra II or higher	3	MAC 1105 - College Algebra
	100-level Laboratory Science course	4	
	Social Science elective	3	POS 2041 - U.S. Government
	Social Science elective *ANT 1xx any 100-level anthropology course* *ECO 1xx any 100-level economics course* *ECO 201 Macroeconomics* *ECO 202 Microeconomics* *JUS 1xx any 100-level justice studies course* *POS 1xx any 100-level political science course* *PSY 1xx any 100-level psychology course* *SOC 1xx any 100-level sociology course* *SSC 1xx any 100-level social science course*	3	

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General Elective			
	100-level or higher general elective	3	SLS 1122 - Gen Ed. New Student Experience

Total Credit Hours 121

APPENDIX D – General Education Requirements Agreement

This appendix will outline the General Education Agreement between Valencia College and the University of Maine at Augusta

Students that are enrolled in the Bachelor of Science in Cybersecurity will be allowed to take the following General Education requirements at UMA or at Valencia with a similar course, below each course is a list of UMA course that meet the requirements.

100-level Communications course	3
Fine Arts elective	3

ART 1xx any 100-level Art course
DRA xxx any Drama course
ENG 351 Creative Writing I
ENG 452 Creative Writing II
MUH 1xx any 100-level Music History course
MUS 1xx any 100-level Music course

Humanities elective	3

AME xxx any American Studies course
ARH 105 History of Art & Architecture I
ARH 106 History of Art & Architecture II
DRA xxx any Drama course
ENG xxx any English course (except ENG 101 or 317w)
FRE xxx any French course
HGH xxx any Holocaust, Human Rights & Genocide course
HTY xxx any History course
HUM xxx any Humanities course
MUH xxx any Music History course
PHI xxx any Philosophy course (except PHI 135 or 335)
SPA xxx any Spanish course
WGS xxx any Women and Gender Studies course

100-level Laboratory Science course	4
Social Science elective	3

ANT 1xx any 100-level anthropology course
ECO 1xx any 100-level economics course
ECO 201 Macroeconomics
ECO 202 Microeconomics
JUS 1xx any 100-level justice studies course
POS 1xx any 100-level political science course
PSY 1xx any 100-level psychology course
SOC 1xx any 100-level sociology course
SSC 1xx any 100-level social science course

APPENDIX E – Core Course that can be taken at Valencia

The following core courses can be taken at UMA or at Valencia College to meet the requirements for the Bachelor of Science degree.

UMA Core Class	Notes
200- level Programming Language	Java, C++, C#
MAT 115 Elementary Statistics I	

CIS 101 Introduction to Computer Science has an option to test out. Once a student is matriculated at UMA, the student can take CIS 101 or register to test out of the course. The fee for testing out is currently $100. The test is administered via Blackboard and can be done remotely with a test proctor.

ISS 380 Cybersecurity Internship is a required course for the degree. The internship is usually done after completion of CIS 330 Systems Analysis. The internship is done under the direction of a faculty mentor and can be done at a distance. If an appropriate Internship is not available the arrangements can be made with the coordinator of the cybersecurity program for an alternative solution.

APPENDIX G – Enrollment Options

The tables below list the remaining courses that students will be required to take at UMA based upon the focus area that is chosen.

General Focus Area

CIS 101	Introduction to Computer Science	3
CIS 330	Systems Analysis	3
CIS 460	Computers & Culture	3
ISS 340	Computer Security	3
ISS 320	Security Analytics	3
ISS 380	Cybersecurity Internship	3
ISS 470	Information Security Management	3
	300-level or higher ISS elective	3
	300-level or higher ISS elective	3
BUA 223	Principles of Management	3
BUA 365	Organizational Behavior	3
ENG 317W	Professional Writing	3

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Information Assurance Focus Area

CIS 101	Introduction to Computer Science	3
CIS 330	Systems Analysis	3
CIS 460	Computers & Culture	3
ISS 340	Computer Security	3
ISS 320	Security Analytics	3
ISS 220	Security Risk Management	3
ISS 240	Security Policy and Governance	3
ISS 250	Auditing IT Infrastructures	3
ISS 310	Information Security Architecture	3
ISS 380	Cybersecurity Internship	3
ISS 470	Information Security Management	3
BUA 223	Principles of Management	3
BUA 365	Organizational Behavior	3
ENG 317W	Professional Writing	3

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APPENDIX G – Enrollment Options

Network Security Analyst Focus Area

CIS 101	Introduction to Computer Science	3
CIS 330	Systems Analysis	3
CIS 460	Computers & Culture	3
ISS 340	Computer Security	3
ISS 320	Security Analytics	3
ISS 380	Cybersecurity Internship	3
ISS 470	Information Security Management	3
	300-level or higher ISS elective	3
BUA 223	Principles of Management	3
BUA 365	Organizational Behavior	3
ENG 317W	Professional Writing	3

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Cyber Forensics Focus Area

CIS 101	Introduction to Computer Science	3
CIS 330	Systems Analysis	3
CIS 460	Computers & Culture	3
ISS 340	Computer Security	3
ISS 320	Security Analytics	3
ISS 334	Cyberlaw	3
ISS 380	Cybersecurity Internship	3
ISS 434	Mobile Forensics	3
ISS 436	Digital Evidence Analysis	3
BUA 223	Principles of Management	3
BUA 365	Organizational Behavior	3
ENG 317W	Professional Writing	3

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APPENDIX G – Enrollment Options

This agreement allows students two options. The chosen option will depend upon the use of financial aid

Option 1

The student will complete the associate degree requirements. Complete remaining courses at Valencia College, utilizing financial aid from Valencia College. This option will add an additional semester or year at Valencia College. Once all agreed upon course work is complete, the student would apply for enrollment at UMA. Once enrolled at UMA the student would have the opportunity to test out of CIS 101 Introduction to Computer Science and complete the remaining coursework for the Cybersecurity Bachelor of Science degree.

Option 2

The student will compete the associate degree requirements and apply for enrollment at the University of Maine at Augusta. Once enrolled at UMA the student would have the opportunity to test out of CIS 101 Introduction to Computer Science. All remaining coursework to include remaining general education requirements would be completed at UMA. Financial aid would be calculated and awarded by the UMA Financial Aid Office