Northeastern University
College of Professional Studies

Articulation Agreement

Quinsigamond Community College A.S. Computer Systems Engineering Technology – Cybersecurity Option to Northeastern University College of Professional Studies BS Information Technology

Quinsigamond Community College (QCC) and Northeastern University College of Professional Studies (NU-CPS) have entered in an articulation agreement to provide transfer pathways for QCC students who complete their **Associate in Science in Computer Systems Engineering Technology – Cybersecurity Option** to earn their **Bachelor of Science in Information Technology** at NU-CPS. There are additional educational pathways for QCC graduates who successfully complete their BS in Information Technology at NU-CPS to earn a master's degree at NU-CPS.

QCC students are strongly encouraged to plan as early as possible for transfer paying attention to the following:

- Students must graduate with the AS in Computer Systems Engineering Technology – Cybersecurity Option with minimum cumulative **Grade Point Average of 2.5** on a 4.0 scale to gain admission to the BS in Information Technology at NU-CPS under this Agreement.
- Only courses with a minimum grade of **"C"** are considered for transfer.
- Domestic and in-country international students must submit an **online application** and required supporting documents to NU-CPS at least one month prior to the desired start term. Out-of-country international students must complete their application at least two months prior to the desired start term.
- Use the **Transfer Articulation Guide** to help plan your studies at QCC and to transfer to NU-CPS.

Additional information:

- NU-CPS makes the final decision on acceptance and reserves the right to rescind an offer of acceptance if student is no longer considered in good academic standing or disciplinary sanctions occur between the times of acceptance to matriculation.
- This Articulation Agreement is in effect immediately and will continue until terminated by NU-CPS or QCC. Should the Agreement be terminated, QCC graduates who have been accepted to or are attending NU-CPS under this Agreement will not be negatively impacted.

Northeastern University
College of Professional Studies

Transfer Articulation Guide

Quinsigamond Community College A.S. Computer Systems Engineering Technology – Cybersecurity Option to
Northeastern University College of Professional Studies
BS Information Technology

Quinsigamond Community College AS in Computer Systems Engineering Technology — Cybersecurity Option Courses			Northeastern University College of Professional Studies BS in Information Technology Equivalencies		
First Semester (17 credits)					
CSC 141	Windows Client Operating Systems	4	ITC 1200 + ITC 1990	Operating Systems Concepts + ITC Elective	4
CSC 234	Networking Technologies	4	ITC 2990	ITC Elective *(Professional Elective)*	4
ENG 101	Composition I	3	ENG 1105 + ENG 1106	College Writing 1 + Lab	3
SPH 101	Speech Communication Skills	3	CMN 2310	Professional Speaking	3
Math Elective	**Recommend** MAT 100 College Algebra	3	MTH 1100	College Algebra	3
Second Semester (16 credits)					
CSC 233	Computer Hardware and Support	4	ITC 2990	ITC Elective *(Professional Elective)*	4
CSC 241	Windows Server Operating Systems	3	ITC 3990	ITC Elective *(Professional Elective)*	3
CST 205	IT Security Foundations	3	ITC 4200	Network Security	3
CST 208	Enterprise IT Systems Security	3	ITC 4600	Information Security Management	3
ENG 102	Composition II	3	ENG 1107 + ENG 1108	College Writing II + Lab	3
Third Semester (19 credits)					
CSC 201	Systems Programming and Scripting	3	ITC 3990	ITC Elective	3
CST 206	Computer Forensics	3	ITC 3990	ITC Elective *(Professional Elective)*	3
CST 211	Advanced Topics in Security	3	ITC 4990	ITC Elective *(Professional Elective)*	3
CST 231	Internetworking Principles and Protocols	3	ITC 2200	Networking Foundations	3
CST 245	Unix Operating Systems I	4	ITC 3250 + ITC 3990	Unix Systems Administration + ITC Elective *(Professional Elective)*	4
ENG 205	Technical and Workplace Writing	3	ENG 2990	ENG Elective	3

Fourth Semester (15-16 credits)					
CST 209	Ethical Hacking	3	PHL 2140	Ethical Issues in Science and Engineering	3
CST 240	Routing Technologies	3	ITC 3990	ITC Elective *(Networking Option)*	3
CST 299	Cooperative Work Experience & Seminar	3	ITC 3990	ITC Elective *(Professional Elective)*	3
Liberal Arts Elective	**Recommend Liberal Arts Elective from list below**	3-4		*(ND Core: Engaging with the Natural and Designed World)*	3-4
Social Science Elective	**Recommend** *ANT 111 Cultural Anthropology or HST 104 World History I: Beginning to 1500*	3	ANT 1150 *or* HST 1100	Cultural Anthropology *or* History of the World 1: Prehistory to the Renaissance *(IC and SI Core)*	3
				Total Credits Accepted for Transfer	**67-68**
				Total Transfer Credits Applied to BS Degree	**67-68**

Liberal Arts Elective Course Option (Complete one)

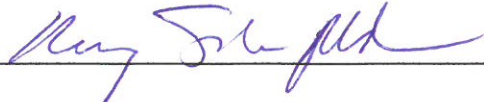| BIO 107	Biology I	4	BIO 1100 + BIO 1101	Principles of Biology 1 + Lab	4
CHM 105	General Chemistry I	4	CHM 1100 + CHM 1101	General Chemistry 1 + Lab	4
SCI 103	Earth Science	3	ESC 1100	The Geosphere: Physical and Historical Geology	3
SCI 104	Climate and Weather: Causes and Effects	3	ESC 1150	The Atmosphere	3

BS in Information Technology
Courses to be taken at CPS

General Foundation			Prerequisite
ENG 3105	Writing for the Professions–Science & Engineering	3	(ENG 1103 + ENG 1104) or (ENG 1105 + ENG 1106); ENG 3105 and ENG 3106 are co-requisites
ENG 3106	Lab for ENG 3105	1	
General Foundation Total		**4**	
Information Technology Foundation			
ITC 2016	End User Data Analysis Tools	3	
MGT 1100	Introduction to Business	3	
MGT 2310	Organizational Behavior	3	HMG 1100 or MGT 1100
MTH 2400	Technology and Applications of Discrete Mathematics	3	MTH 1100, MTH 1200, or MTH 2100
Information Technology Foundation Total		**12**	
Major			
ITC 2100	Introduction to Programming (Java)	3	MTH 2100, MTH 2105, MTH 2110, or MTH 2400
ITC 2300	Database Management Systems	3	ITC 2000
ITC 2400	Web and Mobile Development	3	
ITC 4500	IT Project Management	3	ITC 2100, ITC 2200, ITC 2300 and ITC 2400
ITC 4840	Preparation for IT Project	3	ITC 4500
ITC 4850	Information Technology Project	3	ITC 4840
Major Total		**18**	
Major Areas			
Systems Analysis and Design (Complete one)			
ITC 2000	Principles of Systems Analysis and Design	3	
CET 4240	Software Engineering	3	(CET 2200 or ITC 2100) and CET 2300
Systems Analysis and Design Total		**3**	
Programming (Complete one)			
GET 2100	Computer Engineering Programming & Analysis	3	(MTH 2100, MTH 2105, MTH 2110, or MTH 2400) and GET 1100
CET 2200	Data Structures and Algorithms	3	GET 2100 or ITC 2100
CET 2300	Object-Oriented Programming	3	CET 2200
ITC 3100	Advanced Applications Development	3	ITC 2100, GET 2100, or CET 2200
Programming Total		**3**	
Human-Computer Interaction (Complete one)			
TCC 3450	Writing for the Web	3	ENG 1107 and TCC 2200
ITC 1100	Human-Computer Interfaces	3	
Human-Computer Interaction Total		**3**	

Database (Complete one)				
ITC 3300	Structured Query Language (SQL)	3	ITC 2300	
ITC 3150	Database Websites with PHP/MySQL	3	ITC 2300 and ITC 2400	
ITC 3320	Data Warehousing Technologies	3	ITC 2300	
	Database Total	**3**		
Web and Mobile Applications (Complete one)				
ITC 3400	Web Design and Multimedia	3	ITC 2400	
ITC 3150	Database Websites with PHP/MySQL	3	ITC 2300 and ITC 2400	
	Web and Mobile Applications Total	**3**		
	Professional Elective Total	**0**		
	Open Elective Total	**3-4**		
	Credits to be taken at CPS	**52-53**		
	Total Credits required for CPS BS Information Technology	**120**		

TRANSFER ARTICULATION GUIDE REVIEWED AND APPROVED BY

QUINSIGAMOND COMMUNITY COLLEGE

BY: _(signature)_

PRINT: Nancy Schoenfeld, Ph.D.

TITLE: Interim Vice President of Academic Affairs

DATE: 6/27/17

BY: _(signature)_
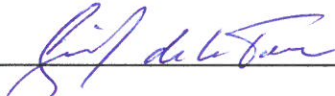
PRINT: Betty Lauer

TITLE: Coordinator of the Computer Systems
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PRINT: Kathleen Rentsch

TITLE: Dean, School of Business & Technology

DATE: 06-19-17

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DATE: 06-19-17

NORTHEASTERN UNIVERSITY COLLEGE OF PROFESSIONAL STUDIES

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PRINT: Lynda Hodgson, Ph.D.

TITLE: Assistant Teaching Professor, Lead Faculty
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DATE: 7/12/2017