

Appendix A - Degree Plan Table - Mapping of Courses
 MWCC - Computer Information Systems Transfer Track Associate in Science to
 Assumption University - Cybersecurity Bachelor of Science

MWCC Course Title	Course #	Credits	Assumption University Title	Course #	Credits
Year 1 Fall (Semester 1)					
Introduction to Information Systems	CIS 128	3	-	-	-
College Writing I (MassTransfer)	ENG 101	3	English Composition (Foundation Cornerstone)	ENG 130	3
Lab Science Elective* (MassTransfer) (e.g., PHY 105 College Physics I)		4	General Elective		4
College Algebra	MAT 162	4	Introductory Math (Quantitative Pillar)	MAT 111	3
Computer Science I (MassTransfer)	CIS 150	3	Introduction to Programming	CSC 117	3
Year 1 Spring (Semester 2)					
College Writing II (MassTransfer)	ENG 102	3	Literature & Its Interpretation (Foundation Cornerstone)	ENG 140	3
Science Elective* (MassTransfer) (e.g., BIO 101 Introduction to Nutrition)		3-4	Science Elective (Natural Science Pillar)		3
Macroeconomics	ECO 101	3	Principles of Macroeconomics	ECO 111	3
Discrete Mathematics	MAT 180	3	Discrete Structures	MAT 202	3
Computer Science II (MassTransfer)	CIS 152	3	Intermediate Programming	CSC 250	3
Year 2 Fall (Semester 3)					
Microeconomics	ECO 102	3	Principles of Microeconomics	ECO 110	3
Principles of Accounting	ACC 101	3	Financial Accounting	ACC 125	3
Humanities Elective* (MassTransfer) (e.g., ART 105 Introduction to Drawing)		3	Foundations Prog. (Fine Art or Music Pillar)		3
Statistics (MassTransfer)	MAT 143	3	Statistics	ECO 115	3
Systems Programming	CIS 250	3	Cybersecurity Elective	CYB 199	3
Year 2 Spring (Semester 4)					
Principles of Accounting II	ACC 102	3	Managerial Accounting	ACC 126	3
Speech (MassTransfer)	SPC 113	3	Speech	ENG 211	3
Literature Elective* (MassTransfer) (e.g., ENG 213 American Lit. I)		3	Foundations Prog. (Fine Art or Music Pillar)		3
History Elective* (MassTransfer) (e.g., HIS 201 History of United States I)		3	Foundations Prog. (Historical Pillar)		3
Database Design and Implementation	CIS 224	3	Database Management Systems	CSC 321	3
Total Credits Required:		62-63	Total Credits Transferable:		58*

Notes

MWCC Computer Information Systems (CIS) Source: <https://mwcc.edu/academics/degree/computer-information-systems/>

* Due to course consolidation and credit conversion, a total of **58 credits** is awarded in transfer to the Cybersecurity Bachelor of Science Major. MWCC students are encouraged to complete additional courses in Art or Music, History, Math, Science, Foreign Languages, or Social Science prior to transfer, to maximize acceptance of MWCC credits. Up to 60 credits may be transferred into Assumption.

Appendix B - Courses Remaining to be Completed at Assumption University

Course #	Course Title	Credits
Year 3 Fall (Semester 5)		
CYB 115	Cybersecurity Fundamentals	3
CYB 230	Networking and Data Communications	3
CYB 265	Operating Systems Administration	3
Core	THE 100: Introduction to Theology (Foundation Cornerstone)	3
Core	PHI 100: Socrates and the Search for Truth (Foundation Cornerstone)	3
Year 3 Spring (Semester 6)		
CYB 235	Securing Wired and Wireless Networks	3
CYB 303	Operating Systems	3
CYB 304	Cryptography	3
Core	a 2 nd course in THE (e.g., THE 200, 201, 202, 203, 204) (Foundation Cornerstone)	3
Core	a 2 nd course in PHI (e.g., PHI 151, 152, 153, or 154) (Foundation Cornerstone)	3
Year 3 Summer (Semester 7)		
Free electives		2
Year 4 Fall (Semester 8)		
CYB 318	Software and Application Security	3
CYB 328	Computer, Network Forensics and Digital Investigations	3
CYB 338	Ethical Hacking	3
Core	a Foreign Language course, at placement (if a transferrable lang. course is not taken at MWCC) (Language Pillar)	3
Free elective		3
Year 4 Spring (Semester 9)		
CYB 401	Preparing for Cyber Disasters	3
CYB 438	Independent Cybersecurity Project or Internship	3
Core	Foundations Prog. (Social Pillar)	3
Core	FORUM course	3
Free elective		3
Total Remaining Credits Required:		62*

Notes

* All transfer students must complete a minimum of 60 credits at Assumption.