

Appendix A - Degree Plan Table - Mapping of Courses

MWCC - Computer Information Systems 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	-	-	-
Introduction to Linux	AND	CIS 131	3	Networking and Data Communications	CYB 230	3
Introduction to Networking		CIS 140	4			
College Writing I (Mass Transfer)		ENG 101	3	English Composition (Foundation Cornerstone)	ENG 130	3
Statistics (Mass Transfer)		MAT 143	3	Statistics	ECO 115	3
Year 1 Spring (Semester 2)						
Data Visualization		CIS 133	3	Data Visualization	CSC 130	3
Introduction to Helpdesk Support		CIS 143	3	-	-	-
Speech (Mass Transfer)		SPC 113	3	Speech	ENG 211	3
College Writing II (Mass Transfer)		ENG 102	3	Literature & Its Interpretation (Foundation Cornerstone)	ENG 140	3
Social Science Elective* (Mass Transfer)			3	Foundations Prog. (Social Pillar)		3
Year 2 Fall (Semester 3)						
Computer Science I (Mass Transfer)	OR	CIS 150	3	Introduction to Programming	CSC 117	3
Intro. to Prog. (Mass Transfer)		CIS 109				
CIS Internship (or CIS Elective)		CIS 113	3	Cybersecurity Elective	CYB 199	3
Science Elective* (Mass Transfer)			3-4	Science Elective (Natural Science Pillar)		3-4
ACC/BUS/MGT/MKT - Transferable Elective			3	General Elective		3
Data Ethics		CIS 136	3	-	-	-
Year 2 Spring (Semester 4)						
CIS Elective - Comp. Sci. II (Mass Transfer)		CIS 152	3	Intermediate Programming	CSC 250	3
Network Security		CIS 144	3	Securing Wired and Wireless Networks	CYB 235	3
Database Design and Implementation		CIS 224	3	Database Management Systems	CSC 321	3
Principles of Information Security		CIS 219	3	Cybersecurity Fundamentals	CYB 115	3
Humanities Elective - Transferable Elective			3	Foundations Prog. (Fine Art or Music Pillar)		3
Total Credits Required:			61-62	Total Credits Transferable:		49*

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 **49 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 265	Operating Systems Administration	3
CYB 328	Computer, Network Forensics and Digital Investigations	3
Core	a course in History (if a transferrable HIS course is not taken at MWCC) (Foundation Pillar)	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 303	Operating Systems	3
CYB 304	Cryptography	3
Core	A Math course, at placement (if a transferrable math course is not taken at MWCC) (Quantitative Pillar)	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		11
Year 4 Fall (Semester 8)		
CYB 318	Software and Application Security	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
Core	a History course (if a transferrable History course is not taken at MWCC) (Foundation Pillar)	3
Core	FORUM course	3
Year 4 Spring (Semester 9)		
CYB 401	Preparing for Cyber Disasters	3
CYB 438	Independent Cybersecurity Project or Internship	3
Free electives		9
Total Remaining Credits Required:		71*

Notes

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