MCC to UNO Roadmap for CTCAS – BS Cybersecurity

To the Student: Complete …

Year One at MCC

Fall Quarter	Quarter hours
INFO 2100 Organizations, Applications, & Technology	4.5
Quantitative/Numeracy: MATH 1425 Pre-Calculus Algebra	5
Communication: ENGL 1010 English Composition I	4.5
Total quarter hours	**14**

Winter Quarter	Quarter hours
MATH 1430 Trigonometry	4.5
Communication: ENGL 1020 English Composition II	4.5
INFO 2800 Information Technology Ethics	4.5
Total quarter hours	**13.5**

Spring Quarter	Quarter hours
INFO 1499 Computer Science I	4.5
INFO 2805 Network and Information Security Basics	4.5
Critical Thinking/Creativity & Social/Cultural Awareness: Complete one of the following courses: ARTS 1110, ARTS 1120, FREN 1110, GERM 1010, HIST 1110, HIST 1120, HIST 2050, HUMS 1110, HUMS 1120, HUMS 1130, HUMS 1150, JAPN 1010, PHIL 2200, or SPAN 1110	4.5
Total quarter hours	**13.5**

Summer Quarter	Quarter hours
INFO 1500 Computer Science II	4.5
INFO 1933 Securing and Monitoring IoT Networks	4.5
INFO 2809 Information Systems, Forensics, and Legal Topics	4.5
Total quarter hours	**13.5**

Year Two at MCC

Fall Quarter	Quarter hours
MATH 2410 Analytic Geometry and Calculus I	7.5
Scientific Inquiry: Complete one of the following courses or sets of courses: BIOS 1010, BIOS 1111-1121-1130, BIOS 1250, CHEM 1010, CHEM 1212, GEOG 1150, GEOG 1160, GEOG 1210, PHYS 1010, PHYS 110ABC, PHYS 210ABC, SCIE 1300-1310, or SCIE 1400	6.0
Total quarter hours	**13.5**

Winter Quarter	Quarter hours
INFO 2040 Introduction to C Programming	4.5
Scientific Inquiry: Complete one course or sequence of courses from a discipline different from the initial Scientific Inquiry course. BIOS 1111-1121-1130, BIOS 2310, CHEM 1212, GEOG 1210, PHYS 110ABC, or PHYS 210ABC	4.5
Professionalism/Life Skills and Information Literacy: HMRL 1010 or EXPL 1000	4.5
Total quarter hours	**13.5**

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Spring Quarter	Quarter hours
Communication: COMS 1110 Public Speaking	4.5
INFO 2030 Mathematical Foundations of Computer Science	4.5
Total quarter hours	**9**

Year Three at UNO

Fall Semester	Semester hours
CIST 3000 Advanced Composition for IS&T	3.0
CSCI 3710 Introduction to Digital Design and Computer Organization	3.0
CYBR 2600 System Administration	3.0
CSCI 3320 Data Structures	3.0
Humanities & Fine Arts Requirement or Free Elective	3.0
Total semester hours	**15.0**

Spring Semester	Semester hours
CSCI 3550 Communication Networks	3.0
CYBR 3570 Cryptography	3.0
CYBR 3600 Cybersecurity Policy and Awareness	3.0
Cybersecurity Extension Course	3.0
Cybersecurity Extension Course	3.0
Free Elective	1.0
Total semester hours	**16.0**

Year Four at UNO

Fall Semester	Semester hours
CSCI 4350 Computer Architecture	3.0
CYBR 4460 Ethical Hacking – Network Analysis	3.0
CYBR 4360 Principles of Secure System Design	3.0
Cybersecurity Extension Course	3.0
Cybersecurity Extension Course	3.0
Total semester hours	**15.0**

Spring Semester	Semester hours
CYBR 4450 Ethical Hacking – Malware Analysis	3.0
CSCI 4500 Operating Systems	3.0
CYBR 4580 Capstone	3.0
Cybersecurity Extension Course	3.0
US Diversity/Social Science Requirement or Free Elective	3.0
Total semester hours	**15.0**