



**COURSE SEQUENCE GUIDE | FULL-TIME ENROLLMENT**  
**Cybersecurity**  
**Associate in Science | Code: 25079 | 60 credits**  
**Effective Term: Spring 2025 (2253)**

**Semester 1**

Course ID	Course Title	Credits	Pre/Co-requisites	Industry Certification
CGS 1060C	Introduction to Computer Technology and Applications	4		
CTS 1120	Cybersecurity Fundamentals	4	Recommended preparation: prior knowledge of networking technologies	<a href="#">CompTIA Security+</a>
CTS 1134	Networking Technologies	4		<a href="#">CompTIA Network+</a>
Mathematics	MAC 1105, STA 2023	3	Prerequisite for MAC 1105: MAT 1033♦ Prerequisite for STA 2023: MAT 1033♦ or MGF 1131 ♦ Students must seek advisement for proper mathematics course from discipline chairperson	
<b>Semester Credits</b>		<b>15</b>		

**Semester 2**

Course ID	Course Title	Credits	Pre/Co-requisites	Industry Certification
CGS 1700	Introduction to Operating Systems	4		<a href="#">CompTIA Linux+</a>
CIS 1531	Introduction to Secure Scripting	4		
CTS 1111	Linux+	4		
ENC 1101	English Composition I	3	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).	
<b>Semester Credits</b>		<b>15</b>		

**Semester 3**

Course ID	Course Title	Credits	Pre/Co-requisites	Industry Certification
Social Science	AMH 2010, AMH 2020, POS 2041	3		
Natural Science	AST 1002, BSC 1005, CHM 1020, ESC 1000, EVR 1001, PHY 1020, PHY 2053	3	<b>Note:</b> Check with advisor for requisite information	
<b>Semester Credits</b>		<b>6</b>		

**Semester 4**

Course ID	Course Title	Credits	Pre/Co-requisites	Industry Certification
CET 2880C	Digital Forensics	4		
CIS 2350	Cybersecurity Analysis	4	Prerequisites: CTS 1120 and CTS 1134	<a href="#">CompTIA CySA+</a>
CTS 2314	Network Defense and Countermeasures	4	Prerequisites: CTS 1120 and CTS 1134	<a href="#">Certified Network Defender</a>
<b>Semester Credits</b>		<b>12</b>		

**Semester 5**

Course ID	Course Title	Credits	Pre/Co-requisites	Industry Certification
Elective	CAI*, CGS*, CIS*, COP*, CTS*, CIS 2619, CIS 2900, CJE 1680, CJL 2062, COP 1334, COP 2800, COP 2805C, CTS 1145, CTS 2303, CTS 2670, CTS 2671	9	<b>Note:</b> Check with advisor for requisite information	
Humanities	ARH 1000, HUM 1020, LIT 2000, MUL 1010, PHI 2010, THE 2000	3	<b>Note:</b> ENC 1101 is a prerequisite to LIT 2000.	
<b>Semester Credits</b>		<b>12</b>		
<b>Program Total</b>		<b>60</b>		

**Academic Pathway at MDC:** The AS in Cybersecurity is a pathway to the [BS in Cybersecurity](#). Courses lead to an industry certification through [CompTIA](#), [CompTIA CySA+](#), [Certified Network Defender](#). To learn more about the courses listed see [College Catalog](#). Some [industry certifications](#) are eligible for reimbursement.