COURSE SEQUENCE GUIDE | FULL-TIME ENROLLMENT:
Students Transitioning from the Associate of Science in Cybersecurity
Cybersecurity
Bachelor of Science | Code: S9515 | 120 credits
Effective Term: Spring 2025 (2253)

Semester 1

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 3215	Ethics in Cybersecurity	4	
CIS 3360	Principles of Information Security	4	Prerequisite: CTS 1134 or CTS 1650
ENC 1102	English Composition 2	3	Prerequisite: ENC 1101
Mathematics	MAC 1105 or STA 2023	3	**Note:** MAC 1105 may be replaced by higher-level mathematics with prefix MAC*, MAD*, MAS*, or MAP*. All courses accepted in this section fulfills the Gordon Rule Computation (Gc) graduation requirements.
	Semester Credits	14	

Semester 2

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 4204	Ethical Hacking 1	4	Prerequisites: CIS 3360 **Note:** This course is aligned with the Certified Ethical Hacker (CEH) and GIAC Experienced Incident Handler industry certifications.
CIS 4366	Computer Forensics	4	Prerequisites: CIS 3360
CNT 3409C	Network Security	4	Prerequisites: CIS 3360
	Semester Credits	12	

Semester 3

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 4388	Advanced Computer Forensics	4	Prerequisites: CIS 4366
Oral Communications	ENC 2300, LIT 2480, SPC 1017, SPC 2608	3	**Note**: ENC 1102 is a prerequisite to ENC 2300 and LIT 2480
Social Sciences	**MDC Core:** AMH 2010, AMH 2020, ANT 2000, ANT 2410, CLP 1006, DEP 2000, ECO 2013, ISS 1120, ISS 1161, POS 2041, PSY 2012, SYG 2000, WOH 2012, WOH 2022	3	**Note:** The BS program requires fulfillment of the Civic Literacy Competency by selecting AMH 2010, AMH 2020 or POS 2041 AND receiving a passing score on the Florida Civic Literacy Examination (or an equivalent AP or CLEP exam). State Board of Education Rule 6A-10.030, previously Gordon Rule, requires that students successfully complete 12 credits in designated courses (see Program Sheet) in which the student is required to demonstrate college-level writing skills through multiple assignments. Students who have not met these requirements as part of their prior course of study should select accordingly.
Foreign Language Competence	**Note:** Foreign language is a graduation requirement for the baccalaureate met through 8 credit hours at the elementary 2 level in one foreign language or equivalent. Certain foreign language courses count towards program electives. Students may satisfy equivalence through standardized examinations or successful completion of two credits (two years) in one foreign language at the secondary (high school) level. For additional information, including exemptions for students whose native language is not English, see the Testing and Assessment Department.		
	Summer Semester Credits	10	

Semester 4

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 3361	Information Security Management	4	Prerequisites: CIS 3360
CIS 4364	Intrusion Detection and Incident Response	4	Prerequisites: CIS 3360
CIS 4378	Ethical Hacking 2	4	Prerequisites: CIS 4204 **Note:** This course is aligned with the Certified Ethical Hacker (CEH) and GIAC Experienced Incident Handler industry certifications.
	Semester Credits	12	

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Semester 5

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 4891	Cybersecurity Capstone	4	Departmental Approval Required
Natural Sciences	**MDC Core:** AST 1002, BOT 1010, BSC 1005, BSC 1030, BSC 1050, BSC 1084, BSC 2010, BSC 2020, BSC 2085, BSC 2250, ESC 1000, EVR 1001, GLY 1010, HUN 1201, OCB 1010, OCE 1001, PCB 2033, PSC 1121, PSC 1515, ZOO 1010, CHM*, GLY*, MET*, OCE*, PHY*	3	**Note:** Check with advisor for requisites
Humanities	**MDC Core:** ARC 2701, ARC 2702, ARH 1000, ARH 2050, ARH 2051, ARH 2740, DAN 2100, DAN 2130, HUM 1020, IND 1100, IND 1130, LIT 2000, LIT 2120, MUH 2111, MUH 2112, MUL 1010, MUL 2380, PHI 2010, PHI 2600, THE 2000	3	**Note**: Check with advisor for requisites. State Board of Education Rule 6A-10.030, previously Gordon Rule, requires that students successfully complete 12 credits in designated courses (see Program Sheet) in which the student is required to demonstrate college-level writing skills through multiple assignments. Students who have not met the 12 credits, must select a Gordon Rule course from Humanities or Social Sciences.
Program Elective	CAI*, CAP*, CEN*, CET*, CGS*, CIS*, CNT*, COP*, CTS*	2-4	**Note:** Program electives must total 12 credits. Students are recommended to choose courses of study which will supplement their learning, including CAI (Artificial Intelligence), CTS or CIS (Cloud Computing), CIS, CNT or CTS (Networking classes) or COP (Programming). Please speak to an academic advisor for assistance with course selection and requisite information.
	Semester Credits	**12**	
	Program Total	**60**	

Academic Pathway at MDC: This course sequence guide is for Bachelor in Science (BS) in Cybersecurity students transitioning **from the Associate in Science (AS) in Cybersecurity (Plan Code: 25079)**, and whose start term for the **AS was Spring 2025**. Students outside of this threshold should consult with an academic advisor for guidance. To learn more about program courses, see the College Catalog. Certain courses will prepare you for in-demand industry certifications and costs of exams may be eligible for reimbursement. You may also accelerate your studies via credit for prior learning or credit for attained industry certifications. Learn more.

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COURSE SEQUENCE GUIDE | PART-TIME ENROLLMENT
Students Transitioning from the Associate in Science in Cybersecurity
Cybersecurity
Bachelor of Science | Code: S9515 | 120 credits
Effective Term: Spring 2025 (2253)

Semester 1

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 3215	Ethics in Cybersecurity	4	
CIS 3360	Principles of Information Security	4	Prerequisite: CTS 1134 or CTS 1650
	Semester Credits	**8**	

Semester 2

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 3361	Information Security Management	4	Prerequisite: CIS 3360
ENC 1102	English Composition 2	3	Prerequisite: ENC 1101
Mathematics	MAC 1105 or STA 2023	3	**Note:** MAC 1105 may be replaced by higher-level mathematics with prefix MAC*, MAD*, MAS*, or MAP*. All courses accepted in this section fulfills the Gordon Rule Computation (Gc) graduation requirements.
	Semester Credits	**10**	

Semester 3

Course ID	Course Title	Credits	Pre/Co-requisites
Oral Communications	ENC 2300, LIT 2480, SPC 1017, SPC 2608	3	**Note**: ENC 1102 is a prerequisite to ENC 2300 and LIT 2480
Program Elective	CAI*, CAP*, CEN*, CET*, CGS*, CIS*, CNT*, COP*, CTS*	2-4	**Note:** Program electives must total 12 credits. Students are recommended to choose courses of study which will supplement their learning, including CAI (Artificial Intelligence), CTS or CIS (Cloud Computing), CIS, CNT or CTS (Networking classes) or COP (Programming). Please speak to an academic advisor for assistance with course selection and requisite information.
Social Sciences	**MDC Core:** AMH 2010, AMH 2020, ANT 2000, ANT 2410, CLP 1006, DEP 2000, ECO 2013, ISS 1120, ISS 1161, POS 2041, PSY 2012, SYG 2000, WOH 2012, WOH 2022	3	**Note:** The BS program requires fulfillment of the Civic Literacy Competency by selecting AMH 2010, AMH 2020 or POS 2041 AND receiving a passing score on the Florida Civic Literacy Examination (or an equivalent AP or CLEP exam). State Board of Education Rule 6A-10.030, previously Gordon Rule, requires that students successfully complete 12 credits in designated courses (see Program Sheet) in which the student is required to demonstrate college-level writing skills through multiple assignments. Students who have not met these requirements as part of their prior course of study should select accordingly.
	Summer Semester Credits	**8**	

Semester 4

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 4204	Ethical Hacking 1	4	Prerequisite: CIS 3360 **Note:** This course is aligned with the Certified Ethical Hacker (CEH) and GIAC Experienced Incident Handler industry certifications.
CIS 4366	Computer Forensics	4	Prerequisites: CIS 3360
	Semester Credits	**8**	

Semester 5

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 4378	Ethical Hacking 2	4	Prerequisite: CIS 4204 **Note:** This course is aligned with the Certified Ethical Hacker (CEH) and GIAC Experienced Incident Handler industry certifications.
CIS 4388	Advanced Computer Forensics	4	Prerequisites: CIS 4366
	Summer Semester Credits	**8**	

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Semester 6

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 4364	Intrusion Detection and Incident Response	4	Prerequisite: CIS 3360
CNT 3409C	Network Security	4	Prerequisites: CIS 3360
	Semester Credits	**8**	

Semester 7

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 4891	Cybersecurity Capstone	4	Departmental Approval Required
Humanities	**MDC Core:** ARC 2701, ARC 2702, ARH 1000, ARH 2050, ARH 2051, ARH 2740, DAN 2100, DAN 2130, HUM 1020, IND 1100, IND 1130, LIT 2000, LIT 2120, MUH 2111, MUH 2112, MUL 1010, MUL 2380, PHI 2010, PHI 2600, THE 2000	3	**Note**: Check with advisor for requisites. State Board of Education Rule 6A-10.030, previously Gordon Rule, requires that students successfully complete 12 credits in designated courses (see Program Sheet) in which the student is required to demonstrate college-level writing skills through multiple assignments. Students who have not met the 12 credits, must select a Gordon Rule course from Humanities or Social Sciences.
Natural Sciences	**MDC Core:** AST 1002, BOT 1010, BSC 1005, BSC 1030, BSC 1050, BSC 1084, BSC 2010, BSC 2020, BSC 2085, BSC 2250, ESC 1000, EVR 1001, GLY 1010, HUN 1201, OCB 1010, OCE 1001, PCB 2033, PSC 1121, PSC 1515, ZOO 1010, CHM*, GLY*, MET*, OCE*, PHY*	3	**Note:** Check with advisor for requisites.
	Semester Credits	**10**	
	Program Total	**60**	

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COURSE SEQUENCE GUIDE | FULL-TIME ENROLLMENT
Students Transitioning from an Associate of Arts Degree
Cybersecurity
Bachelor of Science | Code: S9515 | 120 credits
Effective Term: Spring 2025 (2253)

Semester 1

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 3215	Ethics in Cybersecurity	4	
CIS 3360	Principles of Information Security	4	Prerequisite: CTS 1134 or CTS 1650
Program Elective	CAI*, CAP*, CEN*, CET*, CGS*, CIS*, CNT*, COP*, CTS*	4	**Note:** Program electives must total 12 credits. Students are recommended to choose courses of study which will supplement their learning, including CIS or CTS (Cloud Computing), CIS, CNT, or CTS (Networking, Windows Operating System), COP (Programming) or CAI (Artificial Intelligence). Please speak to an academic advisor for assistance with course selection and requisite information.
	Semester Credits	**12**	

Semester 2

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 3361	Information Security Management	4	Prerequisite: CIS 3360
CIS 4204	Ethical Hacking 1	4	Prerequisite: CIS 3360 **Note:** This course is aligned with the Certified Ethical Hacker (CEH) and GIAC Experienced Incident Handler industry certifications.
CIS 4366	Computer Forensics	4	Prerequisite: CIS 3360
	Semester Credits	**12**	

Semester 3

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 4378	Ethical Hacking 2	4	Prerequisite: CIS 4204 **Note:** This course is aligned with the Certified Ethical Hacker (CEH) and GIAC Experienced Incident Handler industry certifications.
CIS 4388	Advanced Computer Forensics	4	Prerequisite: CIS 4366
	Any 1000 or 2000 level lower division credit.	3-4	**Note:** These requirements fall under Lower Division, Group C of the BS in Cybersecurity Program Sheet. It applies to AA students that have not fulfilled this requirement via the sum of prerequisites required for the program and electives for the AA. Careful review of the degree audit is advised, including consideration of unmet requirements, such as Civic Literacy. Students may additionally consider courses listed in the Electives section.
	Summer Semester Credits	**12**	

Semester 4

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 4364	Intrusion Detection and Incident Response	4	Prerequisite: CIS 3360
CNT 3409C	Network Security	4	Prerequisite: CIS 3360
Program Elective	CAI*, CAP*, CEN*, CET*, CGS*, CIS*, CNT*, COP*, CTS*	4	**Note:** Program electives must total 12 credits. Students are recommended to choose courses of study which will supplement their learning, including CIS or CTS (Cloud Computing), CIS, CNT, or CTS (Networking, Windows Operating System), COP (Programming), or CAI (Artificial Intelligence). Please speak to an academic advisor for assistance with course selection and requisite information.
	Semester Credits	**12**	

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Semester 5

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 4891	Cybersecurity Capstone	4	Departmental Approval Required
Program Elective	CAI*, CAP*, CEN*, CET*, CGS*, CIS*, CNT*, COP*, CTS*	4	**Note:** Program electives must total 12 credits. Students are recommended to choose courses of study which will supplement their learning, including CIS or CTS (Cloud Computing), CIS, CNT, or CTS (Networking, Windows Operating System), COP (Programming), or CAI (Artificial Intelligence). Please speak to an academic advisor for assistance with course selection and requisite information.
	Any 1000 or 2000 level lower division credit.	3-4	**Note:** These requirements fall under Lower Division, Group C of the BS in Cybersecurity Program Sheet. It applies to AA students that have not fulfilled this requirement via the sum of prerequisites required for the program and electives for the AA. Careful review of the degree audit is advised, including consideration of unmet requirements, such as Civic Literacy. Students may additionally consider courses listed in the Electives section.
	Semester Credits	12	
	Program Total	60	

Academic Pathway at MDC: This course sequence guide is for Bachelor in Science (BS) in Cybersecurity students transitioning **from the Associate in Arts (AA), and whose start term for the AA was Fall 2024 or later**. Students outside of this threshold should consult with an academic advisor for guidance as different requirements may apply, including but not limited to Civic Literacy. To learn more about program courses, see the College Catalog. Certain courses will prepare you for in-demand industry certifications and costs of exams may be eligible for reimbursement. You may also accelerate your studies via credit for prior learning or credit for attained industry certifications. Learn more.

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Students Transitioning from an Associate of Arts Degree
Cybersecurity
Bachelor of Science | Code: S9515 | 120 credits
Effective Term: Spring 2025 (2253)

Semester 1

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 3215	Ethics in Cybersecurity	4	
CIS 3360	Principles of Information Security	4	Prerequisite: CTS 1134 or CTS 1650
	Semester Credits	**8**	

Semester 2

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 3361	Information Security Management	4	Prerequisite: CIS 3360
CNT 3409C	Network Security	4	Prerequisite: CIS 3360
	Semester Credits	**8**	

Semester 3

Course ID	Course Title	Credits	Pre/Co-requisites
Program Elective	CAI*, CAP*, CEN*, CET*, CGS*, CIS*, CNT*, COP*, CTS*	4	**Note:** Program electives must total 12 credits. Students are recommended to choose courses of study which will supplement their learning, including CIS or CTS (Cloud Computing), CIS, CNT, or CTS (Networking, Windows Operating System), COP (Programming), or CAI (Artificial Intelligence). Please speak to an academic advisor for assistance with course selection and requisite information.
Program Elective	CAI*, CAP*, CEN*, CET*, CGS*, CIS*, CNT*, COP*, CTS*	4	**Note:** Program electives must total 12 credits. Students are recommended to choose courses of study which will supplement their learning, including CIS or CTS (Cloud Computing), CIS, CNT, or CTS (Networking, Windows Operating System), COP (Programming), or CAI (Artificial Intelligence). Please speak to an academic advisor for assistance with course selection and requisite information.
	Summer Semester Credits	**8**	

Semester 4

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 4204	Ethical Hacking 1	4	Prerequisite: CIS 3360 **Note:** This course is aligned with the Certified Ethical Hacker (CEH) and GIAC Experienced Incident Handler industry certifications.
CIS 4366	Computer Forensics	4	Prerequisites: CIS 3360
	Semester Credits	**8**	

Semester 5

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 4378	Ethical Hacking 2	4	Prerequisite: CIS 4204 **Note:** This course is aligned with the Certified Ethical Hacker (CEH) and GIAC Experienced Incident Handler industry certifications.
CIS 4388	Advanced Computer Forensics	4	Prerequisite: CIS 4366
	Summer Semester Credits	**8**	

Semester 6

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 4364	Intrusion Detection and Incident Response	4	Prerequisite: CIS 3360
Program Elective	CAI*, CAP*, CEN*, CET*, CGS*, CIS*, CNT*, COP*, CTS*	4	**Note:** Program electives must total 12 credits. Students are recommended to choose courses of study which will supplement their learning, including CIS or CTS (Cloud Computing), CIS, CNT, or CTS (Networking, Windows Operating System), COP (Programming), or CAI (Artificial Intelligence). Please speak to an academic advisor for assistance with course

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Semester 7

Course ID	Course Title	Credits	Pre/Co-requisites
CIS 4891	Cybersecurity Capstone	4	Departmental Approval Required
	Any 1000 or 2000 level lower division credit.	3-4	**Note:** These requirements fall under Lower Division, Group C of the BS in Cybersecurity Program Sheet. It applies to AA students that have not fulfilled this requirement via the sum of prerequisites required for the program and electives for the AA. Careful review of the degree audit is advised, including consideration of unmet requirements, such as Civic Literacy. Students may additionally consider courses listed in the Electives section.
	Semester Credits	8	

Semester 8

Course ID	Course Title	Credits	Pre/Co-requisites
	Any 1000 or 2000 level lower division credit.	3-4	**Note:** These requirements fall under Lower Division, Group C of the BS in Cybersecurity Program Sheet. It applies to AA students that have not fulfilled this requirement via the sum of prerequisites required for the program and electives for the AA. Careful review of the degree audit is advised, including consideration of unmet requirements, such as Civic Literacy. Students may additionally consider courses listed in the Electives section.
	Semester Credits	4	
	Program Total	60	

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