



Cecil College and Wilmington University

Associate of Science in Computer Science to Bachelor of Science in Cybersecurity or Computer Science Articulation Pathways

EARLY ADMISSIONS BENEFITS:

(For Cecil students and alumni that meet the requirements outlined under Student Eligibility Requirements for Early Admissions Benefits)

- Guaranteed admissions to WilmU
- WilmU Application fee waiver
- Early access to a WilmU recruiter, admissions associate, and/or academic advisor 100% online or at a WilmU location
- Program-to-program course maps from a Cecil associate degree through the eligible WilmU bachelor degree
- Ability to enroll at both Cecil and WilmU concurrently
- Opportunity to complete select graduate courses as part of an undergraduate degree at the undergraduate per credit tuition

STUDENT ELIGIBILITY REQUIREMENTS FOR EARLY ADMISSIONS BENEFITS

- Students currently enrolled or have already completed any of the following Cecil College associate degree programs:
 - Associate of Applied Science in Cybersecurity
 - Associate of Applied Science in Computer Science Programming
 - Associate of Science in Computer Science
- Submit a WilmU Early Admissions Intent to Enroll Form.
- Enroll in one of the following eligible bachelor degrees at WilmU:
 - Bachelor of Science in Cybersecurity no concentration
 - o Bachelor of Science in Cybersecurity Digital Forensics concentration
 - o Bachelor of Science in Computer Science no concentration
 - o Bachelor of Science in Computer Science Artificial Intelligence concentration
 - Bachelor of Science in Computer Science Data Analytics concentration
- Submit an official Cecil transcript with degree conferral to WilmU, and submit all official transcripts from all previously attended institutions. Completion of additional forms may be required for some majors or by enrollment status.

Associate Degree Coursework and Transfer:

Cecil College			CR	Wilmin	gton Un	iversity Course Equivalents	CR
ART/HU	M	Arts and Humanities Elective	3	HUM	XXX	Humanities Elective	3
SCI- BIO, PSC, PH	, ENV, CHM, Y	Science Elective w/Lab	4	SCI	XXX	Science Elective	4
SCI- BIO, ENV, CHM, Scie		Science Elective w/Lab	4	SCI	XXX	Science Elective	4
CSC	104	Computer Science Fundamentals	3	CSC	200	Computer Science Fundamentals	3
CSC	109	Introduction to Programming	3	SEC	290	Introduction to Programming w/Python	3
CSC	205	Computer Science I	3	CSC	240	JavaScript	3
CSC	218	Computer Science II	4	CSC	315	Fundamentals of 0-0 Programming	3
				CSC	XXX	COT Supplemental	1
MAT	201	Calculus I with Analytical Geometry	4	MAT	310	Calculus I	3
MAT	202	Calculus II with Analytical Geometry	4	MAT	311	Calculus II	3
MAT	236	Discrete Structures	3	MAT	330	Discrete Math	3
MAT	240	Introduction to Linear Algebra	4	MAT	2XX	Mathematics Elective	3
				MAT	XXX	Supplemental Mathematics Credit	4
EGL	101	College Composition	3	ENG	121	English Composition I	3
EGL	102	Composition and Literature	3	ENG	122	English Composition II	3
SPH	121	Interpersonal Communications	3	PSY	309	Interpersonal Communication Skills	3
MAT	121	Precalculus	4	MAT	200	Precalculus	3
		CSC or PHE elective	2	CSC	XXX	COT Elective	2
SOC SCI		Social Science Elective	3	SOC	XXX	Behavioral Science Elective	3
SOC SCI		Social Science Elective	3	SOC	XXX	Behavioral Science Elective	3
Total			60	Total			60

Option 1:

B.S. in Cybersecurity- no concentration (Remaining Course Requirements)

SEC 100	#	Course ID	Course Name	GR	CR	Notes
2 SEC 210 Principles and Practice of Information Security 3 3 SEC 230 Introduction to Linux 3 Sec Note: 1 4 SEC 235 Networks and Telecommunications 3 See Note: 1 5 SEC 250 Operating System and Computer Network Security 3 6 CSC 345 Database Foundations 3 7 MAT 308 Inferential Statistics 3 See Note: 1 8 PHI 314 Ethics for Computer Professionals 3 9 SEC 310 Cryptography: Algorithms & Applications 3 10 SEC 335 Linux for Systems Administrators 3 11 SEC 340 Windows Operating Systems & System Administration 3 See Note: 1 2 SEC 410 Web and Data Security 3 13 SEC 450 Protecting Your Network: Firewall and Perimeter 3 Security SEC 450 Experiential Learning in Cybersecurity or Computer and Net. Sec. Intern. 15 College of Technology Elective (Any WilmU course with a CSC, CTA, GMO, ISM, MIS, SOD, SEC, or TEC prefix) Security Electives (15 credits) complete 5 courses from the following options: 16- LES 330, Cyber Law SEC 240, Foundations in Cyber Investigations; SEC 305, Psychology of a Cyber Attacker; SEC 240, Foundations in Cyber Investigations; SEC 305, Psychology of a Cyber Attacker; SEC 240, Foundations in Cyber Investigations; SEC 305, Psychology of a Cyber Attacker; SEC 345, Malware Analysis UAV 102, Drone Design and Maintenance; UAV 200, Security of UAV and UAS Systems 16- Rote 375 Malware Analysis SEC 375 Malware Analysis		555 100	Interesting to Committee Handware 9 Operation	Req.	1	Coo Noto: 1
3 SEC 230 Introduction to Linux 3 See Note: 1	-		· · · · · · · · · · · · · · · · · · ·			See Note: 1
4 SEC 235 Networks and Telecommunications 5 SEC 250 Operating System and Computer Network Security 6 CSC 345 Database Foundations 7 MAT 308 Inferential Statistics 8 PHI 314 Ethics for Computer Professionals 9 SEC 310 Cryptography: Algorithms & Applications 3 See Note: 1 10 SEC 335 Linux for Systems Administrators 3 SEC 340 Windows Operating Systems & System Administration 3 SEC 340 Windows Operating Systems & System Administration 3 SEC 410 Web and Data Security 3 SEC 410 Web and Data Security 3 SEC 450 Protecting Your Network: Firewall and Perimeter 5 Security 14 SEC 480 or SEC 490 Experiential Learning in Cybersecurity or Computer 15 College of Technology Elective (Any WilmU course with a CSC, CTA, GMO, ISM, MIS, SOD, SEC, or TEC prefix) Security Electives (15 credits) complete 5 courses from the following options: 16 LES 330, Cyber Law SEC 240, Foundations in Cyber Investigations; SEC 355, Mobile Device Security & Forensics; SEC 440, Network Forensics; SEC 440, Network Forensics; SEC 440, Network Forensics; SEC 455, Cyber Security and IoT; SEC 455, Cyber Security and IoT; SEC 455, Cyber Security and IoT; SEC 455, Cyber Security internship; UAV 100, Introduction to Drone Operations; UAV 102, Drone Design and Maintenance; UAV 200, Security of UAV and UAS Systems 15 SEC 375 Malware Analysis			· · ·		_	
SEC 250 Operating System and Computer Network Security 3						
6 CSC 345 Database Foundations 3 See Note: 1 7 MAT 308 Inferential Statistics 3 See Note: 1 8 PHI 314 Ethics for Computer Professionals 3 See Note: 1 9 SEC 310 Cryptography: Algorithms & Applications 3 See Note: 1 10 SEC 335 Linux for Systems Administrators 3 See Note: 1 11 SEC 340 Windows Operating Systems & System Administration 3 See Note: 1 12 SEC 410 Web and Data Security 3 Sec Note: 1 13 SEC 450 Protecting Your Network: Firewall and Perimeter Security 3 Sec Note: 1 14 SEC 480 or SEC 490 Experiential Learning in Cybersecurity or Computer and Net. Sec. Intern. College of Technology Elective (Any WilmU course with a CSC, CTA, GMO, ISM, MIS, SOD, SEC, or TEC prefix) Security Electives (15 credits) complete 5 courses from the following options: 16- LES 330, Cyber Law Sec 420, Data Integrity and Disaster Recovery; SEC 325, Foundations in Cyber Investigations; SEC 305, Psychology of a Cyber Attacker; SEC 435, Advanced Network Management; SEC 435, Advanced Network Management; SEC 440, Network Forensics; SEC 440, Computer & Network Security Internship; UAV 100, Introduction to Drone Operations; UAV 100, Introduction to Drone Operations; UAV 100, Introduction to Drone Operations; UAV 200, Security of UAV and UAS Systems 8 SEC 375 Malware Analysis					-	See Note: 1
7 MAT 308 Inferential Statistics 3 See Note: 1 8 PHI 314 Ethics for Computer Professionals 3 9 SEC 310 Cryptography: Algorithms & Applications 3 10 SEC 335 Linux for Systems Administrators 3 11 SEC 340 Windows Operating Systems & System Administration 3 See Note: 1 12 SEC 410 Web and Data Security 3 13 SEC 450 Protecting Your Network: Firewall and Perimeter 3 Security Security 3 14 SEC 480 or SEC 490 Experiential Learning in Cybersecurity or Computer and Net. Sec. Intern. 3 15 College of Technology Elective (Any WilmU course with a CSC, CTA, GMO, ISM, MIS, SOD, SEC, or TEC prefix) 3 Security Electives (15 credits) complete 5 courses from the following options: 3 16- LES 330, Cyber Law SEC 420, Data Integrity and Disaster Recovery; 15 SEC 240, Foundations in Cyber Investigations; SEC 305, Psychology of a Cyber SEC 425, Ethical Hacking; SEC 425, Ethical Hacking; SEC 325, Breaking Down Cloud Security; SEC 490, Computer & Network Security Internship; UAV 100, Introduction to Drone Operations; UAV 100, Introduction to Drone Operations; UAV 200, Security of UAV and UAS Systems UAV 200, Secur						
8 PHI 314 Ethics for Computer Professionals 9 SEC 310 Cryptography: Algorithms & Applications 10 SEC 335 Linux for Systems Administrators 3 Unity for Systems Administrators 3 Windows Operating Systems & System Administration 3 Sec Note: 1 2 SEC 410 Web and Data Security 3 SEC 450 Protecting Your Network: Firewall and Perimeter Security 4 SEC 480 or SEC 490 Experiential Learning in Cybersecurity or Computer and Net. Sec. Intern. College of Technology Elective (Any WilmU course with a CSC, CTA, GMO, ISM, MIS, SOD, SEC, or TEC prefix) Security Electives (15 credits) complete 5 courses from the following options: SEC 240, Foundations in Cyber Investigations; SEC 425, Ethical Hacking; SEC 426, Computer Sec 426, Cyber Security and Disaster Recovery; SEC 325, Breaking Down Cloud Security; SEC 325, Breaking Down Cloud Security; SEC 395, Mobile Device Security & Forensics; SEC 490, Computer & Network Security Internship; UAV 100, Introduction to Drone Operations; UAV 102, Drone Design and Maintenance; UAV 200, Security of UAV and UAS Systems SEC 375 Malware Analysis						
9 SEC 310 Cryptography: Algorithms & Applications 3 10 SEC 335 Linux for Systems Administrators 3 11 SEC 340 Windows Operating Systems & System Administration 3 See Note: 1 12 SEC 410 Web and Data Security 3 13 SEC 450 Protecting Your Network: Firewall and Perimeter 3 Security 4 14 SEC 480 or SEC 490 Experiential Learning in Cybersecurity or Computer 3 and Net. Sec. Intern. College of Technology Elective (Any WilmU course with a CSC, CTA, GMO, ISM, MIS, SOD, SEC, or TEC prefix) Security Electives (15 credits) complete 5 courses from the following options: Security Electives (15 credits) complete 5 courses from the following options: SEC 420, Data Integrity and Disaster Recovery; SEC 425, Ethical Hacking; SEC 435, Advanced Network Management; SEC 435, Advanced Network Management; SEC 435, Advanced Network Forensics; SEC 440, Network Forensics; SEC 450, Computer & Network Security Internship; UAV 100, Introduction to Drone Operations; UAV 200, Security of UAV and UAS Systems	7		Inferential Statistics		3	See Note: 1
10 SEC 335 Linux for Systems Administrators 3 11 SEC 340 Windows Operating Systems & System Administration 3 See Note: 1 12 SEC 410 Web and Data Security 3 3	8	PHI 314	Ethics for Computer Professionals		3	
11 SEC 340 Windows Operating Systems & System Administration 3 See Note: 1 12 SEC 410 Web and Data Security 3 13 SEC 450 Protecting Your Network: Firewall and Perimeter Security 4 14 SEC 480 or SEC 490 Experiential Learning in Cybersecurity or Computer and Net. Sec. Intern. 5 15 College of Technology Elective (Any WilmU course with a CSC, CTA, GMO, ISM, MIS, SOD, SEC, or TEC prefix) 5 16 LES 330, Cyber Law SEC 420, Data Integrity and Disaster Recovery; SEC 240, Foundations in Cyber Investigations; SEC 305, Psychology of a Cyber Attacker; SEC 325, Breaking Down Cloud Security; SEC 325, Mobile Device Security & Forensics; SEC 360 Advanced Mobile and IoT Forensics SEC 370, Computer Incident Response Course; SEC 375 Malware Analysis	9	SEC 310	Cryptography: Algorithms & Applications		3	
12 SEC 410 Web and Data Security 13 SEC 450 Protecting Your Network: Firewall and Perimeter Security 14 SEC 480 or SEC 490 Experiential Learning in Cybersecurity or Computer and Net. Sec. Intern. 15 College of Technology Elective (Any WilmU course with a CSC, CTA, GMO, ISM, MIS, SOD, SEC, or TEC prefix) Security Electives (15 credits) complete 5 courses from the following options: 16- LES 330, Cyber Law SEC 420, Data Integrity and Disaster Recovery; SEC 240, Foundations in Cyber Investigations; SEC 305, Psychology of a Cyber Attacker; SEC 430, Advanced Network Management; SEC 440, Network Forensics; SEC 490, Computer & Network Security Internship; UAV 100, Introduction to Drone Operations; UAV 102, Drone Design and Maintenance; UAV 200, Security of UAV and UAS Systems 15 SEC 375 Malware Analysis	10	SEC 335	Linux for Systems Administrators		3	
13 SEC 450 Protecting Your Network: Firewall and Perimeter Security 14 SEC 480 or SEC 490 Experiential Learning in Cybersecurity or Computer and Net. Sec. Intern. 15 College of Technology Elective (Any WilmU course with a CSC, CTA, GMO, ISM, MIS, SOD, SEC, or TEC prefix) Security Electives (15 credits) complete 5 courses from the following options: 16- LES 330, Cyber Law 20 LES 331, Electronic Discovery SEC 420, Foundations in Cyber Investigations; SEC 305, Psychology of a Cyber Attacker; SEC 325, Breaking Down Cloud Security; SEC 355, Mobile Device Security & Forensics; SEC 360 Advanced Mobile and IoT Forensics SEC 370, Computer Incident Response Course; SEC 375 Malware Analysis	11	SEC 340	Windows Operating Systems & System Administration		3	See Note: 1
Security 14 SEC 480 or SEC 490 Experiential Learning in Cybersecurity or Computer and Net. Sec. Intern. 15 College of Technology Elective (Any WilmU course with a CSC, CTA, GMO, ISM, MIS, SOD, SEC, or TEC prefix) Security Electives (15 credits) complete 5 courses from the following options: 16- LES 330, Cyber Law 20 LES 331, Electronic Discovery SEC 420, Foundations in Cyber Investigations; SEC 305, Psychology of a Cyber Attacker; SEC 325, Breaking Down Cloud Security; SEC 390, Computer & Network Metwork Security Internship; UAV 100, Introduction to Drone Operations; UAV 102, Drone Design and Maintenance; UAV 200, Security of UAV and UAS Systems Sec 375 Malware Analysis	12	SEC 410	Web and Data Security		3	
Security 14 SEC 480 or SEC 490 Experiential Learning in Cybersecurity or Computer and Net. Sec. Intern. 15 College of Technology Elective (Any WilmU course with a CSC, CTA, GMO, ISM, MIS, SOD, SEC, or TEC prefix) Security Electives (15 credits) complete 5 courses from the following options: 16- LES 330, Cyber Law 20 LES 331, Electronic Discovery SEC 420, Foundations in Cyber Investigations; SEC 305, Psychology of a Cyber Attacker; SEC 325, Breaking Down Cloud Security; SEC 390, Computer & Network Metwork Security Internship; UAV 100, Introduction to Drone Operations; UAV 102, Drone Design and Maintenance; UAV 200, Security of UAV and UAS Systems Sec 375 Malware Analysis	13	SEC 450	Protecting Your Network: Firewall and Perimeter		3	
and Net. Sec. Intern. College of Technology Elective (Any WilmU course with a CSC, CTA, GMO, ISM, MIS, SOD, SEC, or TEC prefix) Security Electives (15 credits) complete 5 courses from the following options: 16- LES 330, Cyber Law 20 LES 331, Electronic Discovery SEC 240, Foundations in Cyber Investigations; SEC 305, Psychology of a Cyber Attacker; SEC 440, Network Forensics; SEC 440, Network Forensics; SEC 490, Computer & Network Security Internship; UAV 100, Introduction to Drone Operations; UAV 102, Drone Design and Maintenance; UAV 200, Security of UAV and UAS Systems Incident Response Course; SEC 375 Malware Analysis			<u> </u>			
College of Technology Elective (Any WilmU course with a CSC, CTA, GMO, ISM, MIS, SOD, SEC, or TEC prefix)	14	SEC 480 or SEC 490	Experiential Learning in Cybersecurity or Computer		3	
with a CSC, CTA, GMO, ISM, MIS, SOD, SEC, or TEC prefix) Security Electives (15 credits) complete 5 courses from the following options: 16- 16- 10- 10- 10- 10- 10- 10- 10- 10- 10- 10			and Net. Sec. Intern.			
with a CSC, CTA, GMO, ISM, MIS, SOD, SEC, or TEC prefix) Security Electives (15 credits) complete 5 courses from the following options: 16- 16- 10- 10- 10- 10- 10- 10- 10- 10- 10- 10	15		College of Technology Elective (Any WilmU course		3	
Security Electives (15 credits) complete 5 courses from the following options: 16-						
Security Electives (15 credits) complete 5 courses from the following options: 16- 16- 16- 16- 16- 16- 16- 16- 10- 16- 10- 16- 10- 16- 10- 16- 10- 16- 10- 16- 10- 16- 10- 16- 10- 16- 16- 16- 16- 16- 16- 16- 16- 16- 16						
LES 331, Electronic Discovery SEC 240, Foundations in Cyber Investigations; SEC 305, Psychology of a Cyber Attacker; SEC 325, Breaking Down Cloud Security; SEC 355, Mobile Device Security & Forensics; SEC 360 Advanced Mobile and loT Forensics SEC 375, Computer Incident Response Course; SEC 425, Ethical Hacking; SEC 425, Ethical Hacking; SEC 435, Advanced Network Management; SEC 440, Network Forensics; SEC 440, Network Forensics; SEC 440, Network Security Internship; UAV 100, Introduction to Drone Operations; UAV 100, Introduction to Drone Operations; UAV 200, Security of UAV and UAS Systems	Secu	rity Electives (15 credits) complet	. ,			
LES 331, Electronic Discovery SEC 240, Foundations in Cyber Investigations; SEC 305, Psychology of a Cyber Attacker; SEC 325, Breaking Down Cloud Security; SEC 355, Mobile Device Security & Forensics; SEC 360 Advanced Mobile and loT Forensics SEC 375, Computer Incident Response Course; SEC 425, Ethical Hacking; SEC 425, Ethical Hacking; SEC 435, Advanced Network Management; SEC 440, Network Forensics; SEC 440, Network Forensics; SEC 440, Network Security Internship; UAV 100, Introduction to Drone Operations; UAV 100, Introduction to Drone Operations; UAV 200, Security of UAV and UAS Systems	16-	LES 330, Cyber Law	SEC 420, Data Integrity and Disaster Recovery;		15	
Cyber Investigations; SEC 305, Psychology of a Cyber Attacker; SEC 325, Breaking Down Cloud Security; SEC 355, Mobile Device Security & Forensics; SEC 360 Advanced Mobile and IoT Forensics SEC 370, Computer Incident Response Course; SEC 340, Network Forensics; SEC 465, Cyber Security and IoT; SEC 490, Computer & Network Security Internship; UAV 100, Introduction to Drone Operations; UAV 102, Drone Design and Maintenance; UAV 200, Security of UAV and UAS Systems	20	LES 331, Electronic Discovery				
Cyber Investigations; SEC 305, Psychology of a Cyber Attacker; SEC 325, Breaking Down Cloud Security; SEC 355, Mobile Device Security & Forensics; SEC 360 Advanced Mobile and IoT Forensics SEC 370, Computer Incident Response Course; SEC 340, Network Forensics; SEC 465, Cyber Security and IoT; SEC 490, Computer & Network Security Internship; UAV 100, Introduction to Drone Operations; UAV 102, Drone Design and Maintenance; UAV 200, Security of UAV and UAS Systems		SEC 240, Foundations in	SEC 435, Advanced Network Management;			
Psychology of a Cyber Attacker; SEC 490, Computer & Network Security Internship; SEC 325, Breaking Down Cloud Security; SEC 355, Mobile Device Security & Forensics; SEC 360 Advanced Mobile and IoT Forensics SEC 370, Computer Incident Response Course; SEC 375 Malware Analysis		I	_			
Attacker; SEC 325, Breaking Down Cloud Security; SEC 355, Mobile Device Security & Forensics; SEC 360 Advanced Mobile and IoT Forensics SEC 370, Computer Incident Response Course; SEC 375 Malware Analysis		_	SEC 465, Cyber Security and IoT;			
SEC 325, Breaking Down Cloud Security; SEC 355, Mobile Device Security & Forensics; SEC 360 Advanced Mobile and IoT Forensics SEC 370, Computer Incident Response Course; SEC 375 Malware Analysis UAV 100, Introduction to Drone Operations; UAV 102, Drone Design and Maintenance; UAV 200, Security of UAV and UAS Systems			I			
Cloud Security; SEC 355, Mobile Device Security & Forensics; SEC 360 Advanced Mobile and IoT Forensics SEC 370, Computer Incident Response Course; SEC 375 Malware Analysis UAV 102, Drone Design and Maintenance; UAV 200, Security of UAV and UAS Systems		I The state of the	1			
SEC 355, Mobile Device Security & Forensics; SEC 360 Advanced Mobile and IoT Forensics SEC 370, Computer Incident Response Course; SEC 375 Malware Analysis		Cloud Security;	UAV 102, Drone Design and Maintenance;			
Advanced Mobile and IoT Forensics SEC 370, Computer Incident Response Course; SEC 375 Malware Analysis		SEC 355, Mobile Device	UAV 200, Security of UAV and UAS Systems			
Advanced Mobile and IoT Forensics SEC 370, Computer Incident Response Course; SEC 375 Malware Analysis		Security & Forensics; SEC 360	·			
Incident Response Course; SEC 375 Malware Analysis		T				
Incident Response Course; SEC 375 Malware Analysis		Forensics SEC 370, Computer				
SEC 375 Malware Analysis		Incident Response Course;				
		Techniques				

- 1. WilmU has a credit residency policy of 30 credits. Therefore, additional credits beyond the associate degree requirements can be completed at Cecil College. However, certificate and accelerated options are available at Wilmington University for students with elective space. The following courses can be completed at Cecil College to maximize transfer credit:
 - a. CSC 130, Introduction to Linux for SEC 230, Introduction to Linux
 - b. CSC 135, Client Systems for SEC 100, Computer Hardware & Operation
 - c. CSC 140, Intro to Networking for SEC 235, Networks and Telecommunications
 - d. CSC 154, Introduction to Windows 10 for SEC 340, Windows Operating Systems and System Administration
 - e. MAT 127, Introduction to Statistics for MAT 308, Inferential Statistics

Option 2: B.S. in Cybersecurity- Digital Forensics concentration (Remaining Course Requirements)

#	Course ID	Course Name	GR	CR	Notes
1	SEC 100	Introduction to Computer Hardware 9 Operation	Req.	2	See Note: 1
1		Introduction to Computer Hardware & Operation		3	see note: 1
2	SEC 210	Principles and Practice of Information Security		3	
3	SEC 230	Introduction to Linux		3	See Note: 1
4	SEC 235	Networks and Telecommunications		3	See Note: 1
5	SEC 250	Operating System and Computer Network Security		3	
6	CSC 345	Database Foundations		3	
7	MAT 308	Inferential Statistics		3	See Note: 1
8	PHI 314	Ethics for Computer Professionals		3	
9	SEC 310	Cryptography: Algorithms & Applications		3	
10	SEC 335	Linux for Systems Administrators		3	
11	SEC 340	Windows Operating Systems & System Administration		3	See Note: 1
12	SEC 410	Web and Data Security		3	
13	SEC 450	Protecting Your Network: Firewall and Perimeter		3	
		Security			
14	SEC 480 or SEC 490	Experiential Learning in Cybersecurity or Computer and		3	
		Net. Sec. Intern.			
Secui	rity Electives (15 credits) co	mplete 5 courses from the following options:			
15-		SEC 420, Data Integrity and Disaster Recovery;		15	
20		SEC 425, Ethical Hacking;			
		SEC 435, Advanced Network Management;			
		SEC 440, Network Forensics;			
		SEC 465, Cyber Security and IoT;			
		SEC 490, Computer & Network Security Internship;			
		UAV 100, Introduction to Drone Operations;			
		UAV 102, Drone Design and Maintenance;			
		UAV 200, Security of UAV and UAS Systems			

- 1. WilmU has a credit residency policy of 30 credits. Therefore, additional credits beyond the associate degree requirements can be completed at Cecil College. However, certificate and accelerated options are available at Wilmington University for students with elective space. The following courses can be completed at Cecil College to maximize transfer credit:
 - a. CSC 130, Introduction to Linux for SEC 230, Introduction to Linux
 - b. CSC 135, Client Systems for SEC 100, Computer Hardware & Operation
 - c. CSC 140, Intro to Networking for SEC 235, Networks and Telecommunications
 - d. CSC 154, Introduction to Windows 10 for SEC 340, Windows Operating Systems and System Administration
 - e. MAT 127, Introduction to Statistics for MAT 308, Inferential Statistics

Option 3:

B.S. in Computer Science with no concentration (Remaining Course Requirements)

#	Course ID	Course Name	GR Req.	CR	Notes
1	CTA 326	Integ. Excel into Business Problem	Req.	3	
2	CSC 100	Web Design & Development		3	See Note: 1
3	SEC 100	Intro to Comp Hardware & Operation		3	See Note: 1
4	SEC 205	Fundamentals of Cybersecurity		3	
5	SEC 235	Networks and Telecommunications		3	See Note: 1
6	PHI 314	Ethics for Computer Professionals		3	
7	BBA 430	Big Data and Visualization		3	
8	CSC 305	Computer Architecture		3	
9		CSC325 Java Programming I or CSC310 Microsoft .NET I		3	
10		CSC335 Java Programming II or CSC311 Microsoft .NET I		3	
11	CSC 345	Database Foundations		3	
12	CSC 350	Mobile App		3	
13	CSC 370	User-Centered Design		3	
14	CSC 400	0-0 Sys Anlys and Design		3	
15	ISM420	Data Modeling and Warehousing		3	
16		CSC489 Experiential Learning in CS or CSC490 CSC Internship		3	
17		Elective		3	
18		Elective		3	
19		Elective		3	
20		Elective		3	

- 1. WilmU has a credit residency policy of 30 credits. Therefore, additional credits beyond the associate degree requirements can be completed at Cecil College. However, certificate and accelerated options are available at Wilmington University for students with elective space. The following courses can be completed at Cecil College to maximize transfer credit:
 - a. CSC 135, Client Systems for SEC 100, Computer Hardware & Operation
 - b. CSC 140, Intro to Networking for SEC 235, Networks and Telecommunications
 - c. Either VCP 144, Web Design I Design Fundamentals OR CSC 182, Web Applications Development will satisfy for CSC 100, Web Design & Development

Option 4:

B.S. in Computer Science with Artificial Intelligence concentration (Remaining Course Requirements)

#	Course ID	Course Name	GR	CR	Notes
			Req.		
1	CTA 326	Integ. Excel into Business Problem		3	See Note: 1
2	CSC 100	Web Design & Development		3	See Note: 1
3	SEC 100	Intro to Comp Hardware & Operation		3	
4	SEC 205	Fundamentals of Cybersecurity		3	See Note: 1
5	CSC 235	Networks and Telecommunications		3	
6	CSC 305	Computer Architecture		3	
7		CSC325 Java Programming I or CSC310 Microsoft .NET I		3	
8		CSC335 Java Programming II or CSC311 Microsoft .NET I		3	
9	CSC 345	Database Foundations		3	
10	CSC 350	Mobile App		3	
11	CSC 370	User-Centered Design		3	
12	CSC 400	0-0 Sys Anlys and Design		3	
13	CSC 414	Ethics for Al and Data Analytics		3	
14	CSC 419	Python for Data Science		3	
15	CSC 420	Intro to Artificial Intelligence		3	
16	CSC 430	Machine Learning Principles		3	
17	CSC 470	Computer Vision and Image Analysis		3	
18		CSC480 Experiential Learning in CS or CSC490 CSC		3	
		Internship			
19		Elective		3	
20		Elective		3	

- 1. Wilm U has a credit residency policy of 3 0 credits. Therefore, additional credits beyond the associate degree requirements can be completed at Cecil College. However, certificate and accelerated options are available at Wilmington University for students with elective space. The following courses can be completed at Cecil College to maximize transfer credit:
 - a. CSC 135, Client Systems for SEC 100, Computer Hardware & Operation
 - b. CSC 140, Intro to Networking for SEC 235, Networks and Telecommunications
 - c. Either VCP 144, Web Design I Design Fundamentals OR CSC 182, Web Applications Development will satisfy for CSC 100, Web Design & Development

Option 5:

B.S. in Computer Science with Data Analytics concentration (Remaining Course Requirements)

#	Course ID	Course Name	GR Req.	CR	Notes
1	CTA 326	Integ. Excel into Business Problem	110-41	3	
2	CSC 100	Web Design & Development		3	See Note: 1
3	SEC 100	Intro to Comp Hardware & Operation		3	See Note: 1
4	SEC 205	Fundamentals of Cybersecurity		3	
5	SEC 235	Networks and Telecommunications		3	See Note: 1
6	BBA 430	Big Data and Visualization		3	
7	CSC 305	Computer Architecture		3	
8		CSC325 Java Programming I or CSC310 Microsoft .NET I		3	
9		CSC335 Java Programming II or CSC311 Microsoft .NET I		3	
10	CSC 345	Database Foundations		3	
11	CSC 350	Mobile App		3	
12	CSC 400	0-0 Sys Anlys and Design		3	
13	CSC 402	Data Analysis Storytelling		3	
14	CSC 407	Data Analysis for Organizations		3	
15	CSC 414	Ethics for Al and Data Analytics		3	
16	CSC 419	Python for Data Science		3	
17	ISM 420	Data Modeling and Warehousing		3	
18		CSC480 Experiential Learning in CS or CSC490 CSC		3	
		Internship			
19		Elective		3	
20		Elective		3	

- 1. Wilm U has a credit residency policy of 3 0 credits. Therefore, additional credits beyond the associate degree requirements can be completed at Cecil College. However, certificate and accelerated options are available at Wilmington University for students with elective space. The following courses can be completed at Cecil College to maximize transfer credit:
 - a. CSC 135, Client Systems for SEC 100, Computer Hardware & Operation
 - b. CSC 140, Intro to Networking for SEC 235, Networks and Telecommunications
 - c. Either VCP 144, Web Design I Design Fundamentals OR CSC 182, Web Applications Development will satisfy for CSC 100, Web Design & Development