

Suggested Transfer Pathway
Montgomery College A.A.S. in Cybersecurity to
Harrisburg University of Science and Technology
B.S. in Computer and Information Science with a concentration in Cybersecurity
at Harrisburg University of Science and Technology
(Effective Spring 2018)

(Courses may be taken in any order)

Montgomery College Recommended Course			Harrisburg University Equivalent	
First Semester			First Semester	
CMSC135	Introduction to Scripting	3		Free Elective
ENGL101 *	Introduction to College Writing *	3	ENGL 105	College Composition
NWIT 127	Microcomputer Essentials	3	CISC 211	Computer Org. and Architecture (sub.)
NWIT 151	Introduction to Networking	3		Free Elective
MATH 130	Elements of Mathematics I	3	MATH 120	College Algebra
Semester Total:		15		
Second Semester				
CMSC 253	UNIX/LINUX Systems Administration	4	CISC 301	½ Operating Systems
NWIT 173	Network Security	3	CISC 330	½ Computer Networks
NWIT 203	Microsoft Windows Server	3	CISC 301	½ Operating Systems
NWIT 252	Cisco Networking 2	3		Free Elective
ENGL 102 or ENGL 103	Critical Reading, Writing and Research	3	ENGL 200	Advanced Composition and Technical Writing
Semester Total:		16		
Third Semester				
NWIT 245	Defending the Network	3	CISC 225	Information Systems Design & Anly. ¹
NWIT 246	Attacker Tools and Techniques	3	CISC 330	½ Computer Networks
NWIT 263	Intro to Digital Forensics	3	CISC 320	½ Digital Forensics
NWIT 275	Wireless Security	3	CISC 440	Wireless Security Management
	Arts or Humanities Distribution	3		GEND elective
Semester Total:		13		
Fourth Semester				
NWIT 247	Introduction to Incident Response	3	CISC 320	½ Digital Forensics
NWIT 291	Information Security Capstone	1		Free Elective
PHIL 140	Introduction to the Study of Ethics	3		GEND elective
	Behavioral and Social Sciences Distribution	3	GEND 102	Creative Mind I
	Natural Sciences Distribution with Lab	4	GEND 113	The Scientific Mind II
Semester Total:		14		
Total Credits Taken		60		

* If ENGL101 is not needed for ENGL102/103, take a NWIT or CMSC elective.

If the suggested classes are successfully completed and an A.A.S. in Cybersecurity is awarded, the remaining four semesters for the **Bachelor of Science in Computer and Information Sciences with Cybersecurity Concentration** follows:

Remaining Requirements at Harrisburg University

Fifth Semester		Credits
MATH 210	Discrete Mathematics I	3
CISC 120	Fundamentals of Computing	4
COMM 110	Speech	3
GEND 201	Civic Mind	6
SEMR 200	Steppingstone	1
Semester Total:		17
Sixth Semester		
MATH 310	Discrete Mathematics II	3
CISC 160	Data Structures	4
CISC 233	Essential Algorithms	4
CISC 298	Project I	3
SEMR 300	Keystone	1
Semester Total:		15
Seventh Semester		
CISC 333	Defensive Programming	4
CISC 365	Internship	3
CISC 498	Project II	3
MATH 280	Statistics	4
GEND 103	Creative Mind II	3
Semester Total:		17
Eighth Semester		
GEND 351	The Organizational Mind	6
CISC 370	Ethical Hacking	4
SEMR 400	Capstone	1
CISC 499	Industry Software Ethics	3
Semester Total:		14
<i>Credits transferred as part of the A.A.S. in Cybersecurity</i>		60
<i>Remaining BS Computer & Information Science – Cybersecurity Concentration</i>		63
Total # of Credits Completed to Fulfill the Requirements for the BS Computer Info Sciences:		123
* Minimum 120 credits required for the BS Computer Information Sciences		

Applying:

- 1) All inquiries about the undergraduate program and application are handled through the Office of Undergraduate Admissions. If you have specific questions about your application or the admission process, please call 717.901.5101.
- 2) Harrisburg University requires that all undergraduate degree candidates complete a minimum 33 hours of the degree or program as matriculated students at Harrisburg University. If a matriculated student previously took HU courses on a non-matriculated basis, those courses are counted towards this requirement.