



Suggested Transfer Pathway
Montgomery College A.A.S in Cybersecurity to
Bowie State University B.S. in Computer Technology,
Computer and Network Security Track



Present to Summer 2014 Course Numbers

Year One – Montgomery College

(Courses may be taken in any order)

Fall Semester	Cr
CS110 Computer Concepts	3
NW127 Microcomputer Control Programs	3
EN101 Introduction to College Writing	3
NW151 Introduction to Networking	3
NW252 Cisco Networking 2	3
Total Credits	15

Spring Semester	Cr
MA116 Statistics, Math Foundation *	3
NW253 Cisco Networking 3	3
NW254 Cisco Networking 4	3
NW173 Network Security	3
EN102 or EN109, English Foundation	3
Total Credits	15

Year Two – Montgomery College

Fall Semester	Cr
NW245 Hardening the Infrastructure	3
SP108 or SP112, Speech Foundation	3
NW203 Microsoft Windows Server	3
Natural sciences dist. with lab, BI101 rec.	4
Arts or humanities distribution	3
Total Credits	16

Spring Semester	Cr
Behavioral and Social Sciences Distribution	3
PL202 Introduction to the Study of Ethics	3
NW246 Network Defense & Countermeasures	3
NW270 Information Security Capstone	3
Health Foundation (3-credit recommended)	3
Total Credits	15

Apply to graduate from Montgomery College with an [Associate of Applied Science in Cybersecurity](#)

* Statistics (MATH 155) and Elements of Calculus (MATH215) are both required for the BS in Computer Technology, any math course not taken at MC must be taken at BSU.

Notes: Students are required to earn at least a “C” grade in all courses in order for the course grade to be eligible for transfer credit unless it is a general education course. Students must have a 2.0 minimum cumulative GPA to obtain the A.A.S. degree in Cybersecurity.

Year Three – Bowie State University

Fall Semester	Cr
COSC112 Computer Science I	4
MATH215 Calculus	4
HIST114 or HIST115 African American History	3
CTEC294 PC Architectures	3
Total Credits	14

Spring Semester	Cr
COSC113 Computer Science II	4
COSC208 Discrete Structures	3
CTEC402 Software and Operating Sys. Sec.	3
CTEC222 Unix Operating Systems	3
General Education Free Elective	3
Total Credits	16

Year Four – Bowie State University

Fall Semester	Cr
COSC214 Client and Operating Systems	4
CTEC445 Fund. Of Cryptography & Apps	3
General Education Free Elective	3
CTEC Elective	3
General Elective	3
Total Credits	16

Spring Semester	Cr
Natural Science	3
CTEC Elective	3
General Elective	3
CTEC226	3
ENGL362 Technical and Report Writing II	3
Total Credits	15

Montgomery College Academic Advising Sheet

[A.A.S. in Cybersecurity](#) to [B.S. in Computer Technology](#)

Present to Summer 2014 Course Numbers

Name:	Date:	ID#	
Foundation Courses	COURSE	HRS	GRADE
English Foundation (EN102 or EN109)	EN	3	
Math Foundation, Statistics	MA116*		
Speech Foundation (SP108 or SP112)	SP	3	
Health Foundation (3-credit course recommended)	HE		
Distribution Courses	COURSE	HRS	GRADE
Humanities or Arts Distribution		3	
Behavioral and Social Science Distribution		3	
Natural Science Lab Distribution, BI101 recommended		4	
Program Requirements and Electives	COURSE	HRS	GRADE
Computer Concepts	CS110	3	
Microcomputer Control Programs	NW127	3	
Introduction to Networking	NW151	3	
Network Security	NW173	3	
Microsoft Windows Server	NW203	3	
Hardening the Infrastructure	NW245	3	
Network Defense and Countermeasures	NW246	3	
Cisco Networking 2	NW252	3	
Cisco Networking 3	NW253	3	
Cisco Networking 4	NW254	3	
Information Security Capstone	NW270	3	
Introduction to the Study of Ethics	PL202	3	
Introduction to College Writing	EN101	3	

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Bowie State University Contact:

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Course Numbers Starting Fall 2014

Year One – Montgomery College

(Courses may be taken in any order)

Fall Semester	Cr
CMSC110 Computer Concepts	3
NWIT127 Microcomputer Control Programs	3
ENGL101 Introduction to College Writing	3
NWIT151 Introduction to Networking	3
NWIT252 Cisco Networking 2	3
Total Credits	15

Spring Semester	Cr
MATH117 Statistics, Math Foundation *	3
NWIT253 Cisco Networking 3	3
NWIT254 Cisco Networking 4	3
NWIT173 Network Security	3
ENGL102 or ENGL103, English Foundation	3
Total Credits	15

Year Two – Montgomery College

Fall Semester	Cr
NWIT245 Hardening the Infrastructure	3
COMM108 or COMM112, Speech Foundation	3
NWIT203 Microsoft Windows Server	3
Natural sciences dist. with lab, BIOL101 rec.	4
Arts or humanities distribution	3
Total Credits	16

Spring Semester	Cr
Behavioral and Social Sciences Distribution	3
PHIL140 Introduction to the Study of Ethics	3
NWIT246 Network Defense & Countermeasures	3
NWIT290 Information Security Capstone	3
Health Foundation (3-credit recommended)	3
Total Credits	15

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Fall Semester	Cr
COSC112 Computer Science I	4
MATH215 Calculus	4
HIST114 or HIST115 African American History	3
CTEC294 PC Architectures	3
Total Credits	14

Spring Semester	Cr
COSC113 Computer Science II	4
COSC208 Discrete Structures	3
CTEC402 Software and Operating Sys. Sec.	3
CTEC222 Unix Operating Systems	3
General Education Free Elective	3
Total Credits	16

Year Four – Bowie State University

Fall Semester	Cr
COSC214 Client and Operating Systems	4
CTEC445 Fund. Of Cryptography & Apps	3
General Education Free Elective	3
CTEC Elective	3
General Elective	3
Total Credits	16

Spring Semester	Cr
Natural Science	3
CTEC Elective	3
General Elective	3
CTEC226	3
ENGL362 Technical and Report Writing II	3
Total Credits	15

Appendix C, Montgomery College Academic Advising Sheet

A.A.S. in Cybersecurity to B.S. in Computer Technology

Course Numbers Starting Fall 2014

Name:	Date:	ID#	
Foundation Courses	COURSE	HRS	GRADE
English Foundation (ENGL102 or ENGL103)	ENGL	3	
Math Foundation, Statistics	MATH117*		
Speech Foundation (COMM108 or COMM112)	COMM	3	
Health Foundation (3-credit course recommended)	HLTH		
Distribution Courses	COURSE	HRS	GRADE
Humanities or Arts Distribution		3	
Behavioral and Social Science Distribution		3	
Natural Science Lab Distribution (BIOL101 recommended)		4	
Program Requirements and Electives	COURSE	HRS	GRADE
Computer Concepts	CMSC110	3	
Microcomputer Control Programs	NWIT127	3	
Introduction to Networking	NWIT151	3	
Network Security	NWIT173	3	
Microsoft Windows Server	NWIT203	3	
Hardening the Infrastructure	NWIT245	3	
Network Defense and Countermeasures	NWIT246	3	
Cisco Networking 2	NWIT252	3	
Cisco Networking 3	NWIT253	3	
Cisco Networking 4	NWIT254	3	
Information Security Capstone	NWIT290	3	
Introduction to the Study of Ethics	PHIL140	3	
Introduction to College Writing	ENGL101	3	

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