



Designed for students in the National Science Foundation CyberCorps Scholarship for Service (SFS) program ONLY

**Year One – Montgomery College**

(Courses may be taken in any order, unless sequential)

Fall Semester	Cr
ENGL101 College Writing (if needed, or NWIT/CMSC elective)	3
CMSC135 Intro to Scripting	3
NWIT127 Microcomputer Essentials	3
NWIT151 Intro to Networking	3
MATH 117/117A Statistics (Math Foundation)	3
<b>Total Credits</b>	<b>15</b>

Spring Semester	Cr
ENGL102 Critical Reading, Writing and Research	3
CMSC253 UNIX/LINUX System Administration	4
NWIT173 Network Security	3
NWIT203 Microsoft Windows Server	3
NWIT252 Cisco Networking 2	3
<b>Total Credits</b>	<b>16</b>

**Year Two – Montgomery College**

Fall Semester	Cr
NWIT245 Defending the Network	3
NWIT246 Attacker Tools and Techniques	3
NWIT263 Intro to Digital Forensics	3
NWIT275 Wireless Security	3
HIST 147, HIST 148, HIST 200, or HIST 201 (Arts or Humanities Distribution)	3
<b>Total Credits</b>	<b>15</b>

Spring Semester	Cr
NWIT247 Intro to Incident Response	3
NWIT291 Cybersecurity Capstone^	1
PHIL140 Intro to the Study of Ethics	3
ECON 103, ECON 105, ECON 201, ECON 202, POLI 101, POLI 105, POLI 203, POLI 211, PSYC 102, SOCY 100, SOCY 105, or SOCY 250 (BSSD – take 2 courses from different disciplines)	6
Natural Science Distribution with Lab	4
<b>Total Credits</b>	<b>17</b>

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

**Year Three – Marymount University**

Fall Semester	Cr
MGT 123: The Business Experience	3
PH 100: Introduction to Philosophy	3
IT 210: Software Engineering	3
LT-1: Introductory Literature	3
IT 225: Advanced Web Development	3
<b>Total Credits</b>	<b>15</b>

Spring Semester	Cr
IT 323: Junior Seminar	1
FNA/HI-2/LT-2: Fine Arts, Advanced History, or Advanced Literature	3
TRS 100: Theological Inquiry	3
SS-1/NS: introductory social science in a different field or a second natural science course (lab optional)	3
IT 310: Database Technology	3
MA 260 or MSC 310: Discrete Mathematics for IT or Decision Analysis	3
<b>Total Credits</b>	<b>16</b>

Summer Term	Cr
IT 400: Internship	6
FNA/HI-2/LT-2: Fine Arts, Advanced History, or Advanced Literature	3
<b>Total Credits</b>	<b>9</b>

## Year Four – Marymount University

Fall Semester		Cr	Spring Semester		Cr
IT 345: Human Computer Interaction		3	TRS-2/E: Advanced Theology or Theological Ethics		3
IT 355: Software Quality Assurance, Documentation, and Testing		3	IT 335: Corporate Cybersecurity (specialty course)		3
IT 315: Operating Systems (specialty course)		3	IT 375: Cisco Networking II (specialty course)		3
SS-2: Advanced Social Science		3	IT 489: Capstone Project		3
IT 423: Senior Seminar		1	MSC 345: Project Management		3
PH 305: Business Ethics		3			
<b>Total Credits</b>		<b>16</b>	<b>Total Credits</b>		<b>15</b>

### Marymount Contact Information

IT Program Director and Department Chair: Dr. Diane Murphy ([dmurphy@marymount.edu](mailto:dmurphy@marymount.edu))

Assistant Dean, School of Business Administration: Dr. Sarah Spalding ([sspaldin@marymount.edu](mailto:sspaldin@marymount.edu))

School of Business Administration general contact information: email ([soba@marymount.edu](mailto:soba@marymount.edu)); phone: 703-284-5910

#### Notes:

This transfer plan is valid only for recipients of the National Science Foundation CyberCorps Scholarship for Service (SFS) program and is not a pathway created for all potential transfer students. Other students should follow the General Studies STEM pathway for a 2 +2 transfer pathway.

SFS students will be eligible to receive the following course alterations at Marymount:

- course waiver for IT 223: Sophomore Seminar
- course substitution for IT 110: IT in the Global Age (will be substituted with CMSC 253: UNIX/LINUX System Administration)

^ Marymount University does not transfer in capstone courses, so this course will not be eligible for transfer.