FCC Curriculum Pathway

The Curriculum Pathway provides full-time students with a **suggested guide** for completing an Associate Degree in two years (four semesters). Students who choose to take less than 15 credits per semester or who require Developmental English and/or Math will need additional semesters to complete their degrees. Taking classes in the Summer and/or January terms allow students to catch up and stay on target**. It is recommended all students meet with an Advisor each semester to carefully select and sequence courses based on their specific interests and needs.** Using the Curriculum Pathway along with the PeopleSoft Degree Plan allows students to track their progress towards graduation.

Major: Cybersecurity A.A.S.   Catalog Year: Summer 2016-Spring 2017

This pathway allows full-time students to earn the Information Security and Assurance Certificate at the end of their third semester. Students should contact the Welcome Center in J 101 to complete the necessary forms.

Course Number	Course		Credit	Complete
First Year – First Semester				
EN 101	English Composition (Prerequisite: EN 50A and EN 52 or ESL 95 and ESL 99)	General Education CORE	3	
	Mathematics (Prerequisite: MA 82) (MA 206 recommended)	General Education CORE	3	
CIS 106	Object Design & Programming (Prerequisite: EN50A and EN52 OR ESL95 and ESL99 and MA81)	General Education CORE	3	
CIS 111M AND CIS 212	PC Operating Systems (Pre or Co-requisite: CIS 101, 106, 116D, or 212) AND PC Repairs & Diagnostics (Pre or Co-requisite: CIS 101, 106, 116D, or 111M) **CIS 111M and 212 must be taken in the same semester with the same instructor.**		3 3	
		Semester Total	**15**	
First Year – Second Semester				
	Social & Behavioral Sciences* (HS 102 recommended)	General Education CORE	3	
CIS 217	Cybercrime & Digital Forensics Investigation (Prerequisite: CIS 111L or CIS 111M)		3	
CIS 179	Cybersecurity Fundamentals (Pre or Co-requisite: CIS 106)		3	
CIS 180	Network Fundamentals (1st 7 weeks) (Pre-requisite: CIS 106 or CIS 111M)		3	
CIS 170	Security Fundamentals (2nd 7 weeks) (Pre or Co-requisite: CIS 180 or CIS 190)		3	
		Semester Total	**15**	
Second Year – First Semester				
	Arts & Humanities* (PH101 or PH208 recommended)	General Education CORE	3	
CIS 111L	UNIX/Linux Operating System (Prerequisite: CIS 101 or CIS 106)		3	
CIS 219	Ethical Hacking & Systems Defense (7 weeks) (Prerequisite: CIS 106)		3	
CIS 223	Cloud Security (7 weeks) (Pre or Co-requisite: CIS 180 or CIS190)		3	
	Any General Education Elective*	General Education CORE	3	
		Semester Total	**15**	
Second Year – Second Semester				
	Biological/Physical Sciences	General Education CORE	3	
	PE/Health Requirement		1	
CIS 203	Systems Analysis & Design (Prerequisite: CIS 106)		3	
Electives	Program Electives (EN 115, ID 225, INTR 101, INTR 102, INTR 103, CIS 101, CIS 111B, CIS 116D, CIS 116E, CIS 116F, CIS 140, CIS 190, CIS 191, CIS 192, CIS 193, CIS 204, CIS 210, CIS 218, CIS 224, CIS 226, or CIS 230)		8	
		Semester Total	**15**	
Total Credits:			**60**	

Students must complete their credit English and Mathematics within the first 24 credits.
***All students must complete one cultural competence course – see course list.**

General Education Electives can be taken in the semester that works best for the student's schedule.

Students are strongly recommended to consult an FCC advisor and to use ARTSYS, the Maryland Articulation System, www.artsys.usmd.edu to select elective courses needed for transfer based on their intended major at their four-year college/university.

Developmental courses must be completed prior to enrolling into college-level courses in the major. See an advisor for further information, if needed.
_____ Reading I: EN51 or ESL70
_____ Reading II: EN52 or ESL72
_____ Writing I: EN50 or ESL71
_____ Writing II: EN50A or EN61 or ESL73
_____ Math: MA80, MA81, MA81B, MA82 or MA85