

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: 2015

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)	3	
CORE	Mathematics General Education Elective (Prerequisite: MA 82) (MA 206 recommended)	3	
CORE	Interdisciplinary & Emerging Issues General Education Elective CIS 106 Object Design & Programming (Prerequisite: EN50A and EN52 OR ESL95 and ESL99 and MA81)	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 need to be taken in the same semester with the same instructor.	3 3	
Semester Total		15	
First Year – Second Semester			
CORE	Social & Behavioral Sciences General Education Elective* (HS 102 recommended)	3	
CIS 111L	UNIX/Linux Operating System (Prerequisite: CIS 101 or CIS 106)	3	
CIS 179	Cybersecurity Fundamentals (Pre or Co-requisite: CIS 106)	3	
CIS 180	Network Fundamentals (1 st 7 weeks) (Pre-requisite: CIS 106 or CIS 111M)	3	
CIS 170	Security Fundamentals (2 nd 7 weeks) (Pre-requisite: CIS 180 or CIS 190)	3	
Semester Total		15	
Second Year – First Semester			
CORE	Arts & Humanities General Education Elective* (PH101 or PH208 recommended)	3	
CIS 217	Network Security Forensics & Audit (Prerequisite: CIS 111L or CIS 111M)	3	
CIS 219	Ethical Hacking & Systems Defense (Prerequisite: CIS 106)	3	
CIS 223	Cloud Security (Prerequisite: CIS 180)	3	
CORE	General Education Elective*	3	
Semester Total		15	
Second Year – Second Semester			
CORE	Biological/Physical Sciences General Education Elective	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, CIS101, CIS116D, CIS116E, CIS140, CIS190, CIS191, CIS204, CIS210, CIS218, or CIS230)	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: EN51; EN52
- _____ Writing: EN50; EN61
- _____ Math: MA80, MA81, MA82 or MA85
- _____ English as a Second Language: ESL 99 & 95; or ESL 72 & 73