

## 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: STEM – Biology Pathway**

**Catalog Year: 2016-2017**

*Students who complete 30 credits and wish to transfer after one year of study should apply to receive the Transfer Studies Certificate. (Students complete the necessary forms in the Welcome Center, J-101.)*

Course Number	Course		Credit	Complete
<b>First Year – First Semester</b>				
EN 101	English Composition	General Education CORE	3	
MA 210	Calculus I	General Education CORE	4	
BI 101	General Biology (recommended)	General Education CORE	4	
CH 101	General Chemistry	General Education CORE	4	
		<b>Total Credits</b>	<b>15</b>	
<b>First Year – Second Semester</b>				
BI 102	General Biology	General Education STEM Elective	4	
CH 102	General Chemistry	STEM Elective	4	
	Communication	General Education CORE	3	
	Social Science	General Education CORE	3	
		STEM Elective	4	
		<b>Total Credits</b>	<b>18</b>	
<b>Second Year – First Semester</b>				
CH 201	Organic Chemistry I	STEM Elective	4	
PY 203	Introductory Physics I	STEM Elective	4	
	Humanities	General Education CORE	3	
	Social Science	General Education CORE	3	
		<b>Total Credits</b>	<b>14</b>	
<b>Second Year – Second Semester</b>				
CH 202	Organic Chemistry II	STEM Elective	4	
BI 240	Genetics	STEM Elective	4	
	Arts	General Education CORE	3	
	PE/Health Requirement		1-3	
	Select one course to meet minimum of 25 credits of STEM for graduation (BI 203 or BI 120 required for USG Articulation Agreement; see advisor)		1-4	
		<b>Total Credits</b>	<b>13</b>	
<b>Total Credits</b>			<b>60</b>	

**Students must complete their credit English and Mathematics within the first 24 credits.**

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](http://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