

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: Computer Science A.S.

Catalog Year: Summer 2015 – Spring 2017

Students who complete the first 30 credits in the pathway are eligible to receive the Transfer Studies Certificate. (Students complete the necessary forms in the Welcome Center, J-101.)

| Course Number | Course | Credit | Complete |
|--------------------------------------|---|-------------------------------|----------|
| First Year – First Semester | | | |
| CIS 106 | Object Design & Programming <small>(Prerequisite: EN50A and EN52 OR ESL95 and ESL99 and MA81)</small> | General Education CORE 3 | |
| EN 101 | English Composition <small>(Prerequisite: EN 50A and EN 52 or ESL 95 and ESL 99)</small> | General Education CORE 3 | |
| | Mathematics Elective (MA111, 130, 131, 202, (206 or 207), 211, 212, 213, or 218) | 3 | |
| | Arts* | General Education CORE 3 | |
| | Social & Behavioral Sciences* | General Education CORE 3 | |
| | Semester Total | 15 | |
| First Year – Second Semester | | | |
| CIS 201 | Computer Science <small>(Prerequisite: CIS 106)</small> | 4 | |
| CIS 222 | Computer Organization <small>(Prerequisite: CIS 106)</small> | 4 | |
| MA 210 | Calculus <small>(Prerequisite: MA111 or both MA 130 and MA 131)</small> | General Education CORE 4 | |
| | Biological/Physical Sciences (Lab) | General Education CORE 4 | |
| | Semester Total | 16 | |
| Second Year – First Semester | | | |
| CIS 202 | Computer Science II <small>(Prerequisite: CIS 201)</small> | 4 | |
| | Program Elective (CIS111J, 111L, 111M, 140, 170, 179, 180 or any 200 level CIS) | 3 | |
| | Math Elective: (MA111, 130, 131, 202, (206 or 207), 211, 212, 213, or 218) | 3 | |
| | Humanities* | General Education CORE 3 | |
| | PE/Health Requirement | 1 | |
| | Semester Total | 14 | |
| Second Year – Second Semester | | | |
| | Program Elective (CIS111J, 111L, 111M, 140, 170, 179, 180 or any 200 level CIS) | 3 | |
| | Program Elective (CIS111J, 111L, 111M, 140, 170, 179, 180 or any 200 level CIS) | 3 | |
| | Biological/Physical Sciences | General Education CORE 3/4 | |
| | Social & Behavioral Sciences <small>(different discipline than previous Social Sciences Elective)*</small> | General Education CORE 3 | |
| | Communications* | General Education CORE 3 | |
| | 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