**2013-2014**

**Pathways Four-Year Plan: B.S. in Computer Science**

**Department of Mathematics and Computer Science**

**School of Arts and Sciences**

**The goal of a Four-Year Plan is to ensure that students graduate with no more than 120 credits and in four years.**

* All students should speak with an academic advisor about their academic programs.
* Students are encouraged to **take Winter and Summer courses** to facilitate their progress towards graduation.
* Transfer students do not need to take all courses in the plan; they should consult with an academic advisor.

|  | **Credit** |  | **Credit** |
| --- | --- | --- | --- |
| **FIRST YEAR- FALL** | **15** | **SPRING** | **17** |
| English 125 | 3 | English 126 | 3 |
| Math 119 | 1 | Math 122 | 4 |
| Math 121• | 4 | Scientific World | 3 |
| CS 172•• | 4 | CS 291 | 4 |
| Life and Physical Sciences\* | 3 | Creative Expressions | 3 |
| **SOPHOMORE- FALL** | **15** | **SPRING** | **17** |
| Math 210 | 4 | US Diversity and its Experiences | 3 |
| Math 225 | 4 | CS 341 | 4 |
| CS 397 | 4 | CS 451 | 4 |
| World Culture and Global Issues | 3 | Individual and Society | 3 |
|  |  | Additional Flexible Core Class | 3 |
| **JUNIOR- FALL** | **14-15** | **SPRING** | **14** |
| CS 357 | 4 | WI 200-level\*\* | 3 |
| CS/Math Elective \*\*\*\* | 3-4 | CS Elective \*\*\*\* | 4 |
| CS 457 | 4 | CS Elective \*\*\*\* | 4 |
|  WI 100- to 200-level\*\* | 3 | Foreign Language\*\*\* | 3 |
| **SENIOR- FALL** | **14-13** | **SPRING** | **14** |
| Foreign Language\*\*\* | 3 | Health Education 111 | 3 |
| CS 485 | 4 | Minor course or free elective | 9 |
| Minor course or free elective | 7-6 | CS 401 (WI in the major)\*\* | 2 |

**Students who start at York are required to take three Writing Intensive (WI) courses: two in the lower division (100-200 level) and one in the upper division (300-400 level). Transfer students should consult with an advisor about their WI requirements.**

**york.cuny.edu/pathways**

**Total credits needed to graduate 120**

**Notes**

•Take Math 119/120 if you are not ready for Calculus. Otherwise, take Math 119/121 in your first semester.

••CS 172 has Math 121 as pre- or co-requisite.

**\*Life and Physical Sciences:** Biology 140, 201; Chemistry 106, 107, 111, 140; Geology 140; Physics 140, 151

\*\***Students must complete** two WI (writing intensive) courses in the lower division of the curriculum (100- or 200- level), and one WI course within the major (300- level or above) in order to graduate.

\*\*\***Foreign Languages**. Students may be exempt from this requirement (by taking a placement exam). In this case, they will be required to complete 6 additional credits as free electives in Liberal Arts and Science courses to fulfill the degree requirement of 120 credits.

\*\*\*\* **Computer Science Elective (a minimum of 8 credits must be selected from CS classes).**

3 credit courses: CS 334, 377, 382, 452, 465; Math 243

4 credit courses: CS 381, 391, 392, 461; Math 230, 333, 335, 336, 395

**Note: Students are strongly encouraged to select a Minor program of study, in consultation with an academic advisor, especially those planning to attend graduate school. A minor course would replace “free elective” in the 4-year plan.**

**Note: Students must pass CS 341 with a C or higher. Students may take the class a maximum of three times.**

**B.S. students must complete 60 credits of liberal arts – see Bulletin.**

**FOR MORE INFORMATION:**

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