Pathways Four-Year Plan 2013-2014

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.*

	Credits		Credits
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 <u>strongly encouraged</u> 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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