



## 2015-2016 Pathways Major Plan

### Computer Science (BS)

Department of Mathematics & Computer Science

School of Arts & Sciences

Academic Core 2C07 | 718-262-2535

The following is a **suggested** plan of study for completion of this degree program.

The goal of a Major Plan is to ensure that students who completed an Associate’s Degree (AA or AS) graduate with no more than 120 credits and in two years.

- All students should speak with an academic advisor about their academic programs.  
**This document is not a substitute for academic advisement.**
- Students are encouraged to take Winter and Summer courses to facilitate their progress towards graduation.
- Transfer students may not need to take all courses in the plan; they should consult with an academic advisor.
- This plan requires transfer credit for the following courses:
  - ENGL 125 (English Composition I); MATH 119 (College Algebra System) + MATH 120 (Pre-Calculus)†
  - † If MATH 119 + MATH 120 are not transferred to York College, students should take MATH 119 + MATH 120 in the first semester.

	Credits		Credits
<b>THIRD YEAR - FALL</b>	<b>12</b>	<b>THIRD YEAR - SPRING</b>	<b>12</b>
College Option: Writing Intensive (WI)	3	Math 225	4
Math 121	4	Math 122	4
CS 172	4	CS 291	4
Elective Credits or other credits recommended under Advisement	1		
<b>FOURTH YEAR - FALL</b>	<b>13-14</b>	<b>FOURTH YEAR - SPRING</b>	<b>14</b>
Math 210	4	CS 341*	4
CS 397	4	CS 451	4
CS/Math Elective	3-4	CS Elective	4
College Option: Writing Intensive (WI): CS 401	2		
<b>FIFTH YEAR - FALL</b>	<b>16</b>		
CS 357	4		
CS 457	4		
CS 485	4		
CS Elective	4		

\*CS majors must pass CS 341 with a C grade or better. A student is allowed to retake this course a maximum of three (3) times.

- York students are required to complete (pass) three (3) Writing intensive (WI) courses: two (2) in the lower division (100-200 level) and one (1) in the upper division (300-level).
- If you transferred to York College with an Associate’s Degree (AA or AS), or with credit for all General Education requirements, you are exempt from completing two (2) of your lower division (100-200 level) Writing Intensive (WI) courses. You must still complete one WI course in the upper division (300-level) within your major. If your major has no upper division WI course, you must take a WI course chosen in consultation with your major advisor.
- B.S. students must complete 60 credits of liberal arts – See Bulletin.
- Students are strongly encouraged to select a Minor program of study, in consultation with an academic advisor, especially those planning to attend graduate school. Minor courses would replace the “free electives” in the Two-Year Plan.