**2015-2016**

**Pathways Four-Year Plan:** [**Mathematics (BS)**](https://www.york.cuny.edu/produce-and-print/contents/bulletin/school-of-arts-and-sciences/mathematics-and-computer-science/mathematics-bs)

Department of Mathematics & Computer Science

School of Arts & Sciences | York College | CUNY

Academic Core 2C07 | 718-262-2535

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

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.

**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.
* In order to register for Math 121 – Analytic Geometry and Calculus I, students must complete Math 120 (Pre-Calculus).

|  | Credit |  | Credit |
| --- | --- | --- | --- |
| **FIRST YEAR - FALL** | **14** | **FIRST YEAR - SPRING** | **16-17** |
| English Composition (EC): ENGL 125 | 3 | English Composition (EC): ENGL 126 | 3 |
| Mathematical & Quantitative Reasoning (MQR): Math 119 (1cr) + Math 120 (4crs) | 5 | Math 121 | 4 |
| Individual & Society (IS) | 3 | Life & Physical Science (LPS) | 3-4 |
| US Experience in its Diversity (USED) | 3 | World Culture & Global Issues (WCGI) | 3 |
|  |  | College Option: HE 111 | 3 |

|  | Credit |  | Credit |
| --- | --- | --- | --- |
| **SECOND YEAR - FALL** | **13** | **SECOND YEAR - SPRING** | **13** |
| Math 122 | 4 | Math 221 | 4 |
| Creative Expression (CE) | 3 | Mathematics or CS Elective | 4 |
| Scientific World (SW) | 3 | Mathematics Area Course | 4 |
| Additional Flexible Core Course | 3 | Math 481-489 | 1 |

|  | Credit |  | Credit |
| --- | --- | --- | --- |
| **THIRD YEAR - FALL** | **15** | **THIRD YEAR - SPRING** | **18** |
| College Option: Foreign Language† | 3 | College Option: Foreign Language† | 3 |
| Math 333 | 4 | Math 336 | 4 |
| Mathematics Area Course | 4 | Mathematics Area Course | 4 |
| Mathematics Elective | 4 | Mathematics Elective | 4 |
|  |  | College Option: Writing Intensive (WI): Math 479 | 3 |

|  | Credit |  | Credit |
| --- | --- | --- | --- |
| **FOURTH YEAR - FALL** | **15** | **FOURTH YEAR - SPRING** | **16** |
| Writing Intensive (WI) | 3 | Writing Intensive (WI) | 3 |
| Free Elective | 3 | Free Elective | 3 |
| Free Elective | 3 | Free Elective | 3 |
| Free Elective | 3 | Free Elective | 3 |
| Free Elective | 3 | Free Elective | 4 |

Note: Students interested in applying to graduate school are strongly advised to take Math 423 (Advanced Calculus I) and Math 424 (Advanced Calculus II).

* 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 credit for General Education requirements, you must still complete one (1) WI course in the upper division 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.A. students must complete 90 credits of liberal arts; B.S. students must complete 60 credits of liberal arts.
* 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 Four-Year Plan.

†Foreign language courses are determined through placement by the Foreign Language Department, AC-3C08