**2019-2020**

**Degree Map:** [**Mathematics Education 7-12 (BS)**](https://www.york.cuny.edu/produce-and-print/contents/bulletin/school-of-health-and-behavioral-sciences/teacher-education/new-york-state-teaching-certification-in-mathematics-7-12-bs)

Department of Teacher Education

School of Health Sciences & Professional Programs | York College | CUNY

Room AC-1D12 | (718) 262-2450

The following is a suggested plan of study for completion of this degree program. The goal of a Degree Map 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 do not need to take all courses in the plan; they should consult with an academic advisor.

| Course | Credit |  | Credit |
| --- | --- | --- | --- |
| **First Year – Fall** | **16** | **First Year – Spring** | **16** |
| English Composition (EC): English 125 | 3 | English Composition (EC): English 126 | 3 |
| Life & Physical Science (LPS) course# | 3 | Scientific World (SW) course | 3 |
| Math & Quant Reasoning (MQR): Math 120\* | 4 | U.S. Experience in its Diversity (USED) course | 3 |
| College Option (CO): Health Education 111 | 3 | Creative Expression (CE) course | 3 |
| World Cultures & Global Issues (WCGI) course | 3 | Math & Quant Reasoning (MQR): MATH 121\* | 4 |

| Course | Credit |  | Credit |
| --- | --- | --- | --- |
| **Second Year – Fall** | **16** | **Second Year – Spring** | **17** |
| Mathematics 122 | 4 | Mathematics 221 | 4 |
| Individual & Society (IS) course | 3 | Mathematics 210 | 4 |
| Sociology 202 or Philosophy 202 (WI) | 3 | Education 268 | 3 |
| Education 230 | 2 | Education 283 | 3 |
| Education 271 | 3 | Education 285 | 3 |

| Course | Credit |  | Credit |
| --- | --- | --- | --- |
| **Third Year – Fall** | **16-17** | **Third Year – Spring** | **14** |
| Education 340 (WI) | 3 | Education 373 | 3 |
| Education 395 | 3 | Mathematics 479 (WI) | 3 |
| Mathematics 225 | 3 | Mathematics 336 | 4 |
| Mathematics 243 or Mathematics 244 | 3-4 | Mathematics 481-489 | 1 |
| Mathematics 333 | 4 | Elective | 3 |

| Course | Credit |  | Credit |
| --- | --- | --- | --- |
| **Fourth Year – Fall** | **12** | **Fourth Year – Spring** | **12-13** |
| Mathematics elective | 4 | Education 405 | 4 |
| College Option (CO): Foreign Language+ | 3 | Education 406 | 4 |
| Electives | 5 | Elective | 1-2 |
|  |  | College Option (CO): Foreign Language+ | 3 |

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

\*Students who do not place directly into MATH 121 may need to take an additional 4 credits in prerequisites (MATH 120); these credits would replace free elective credits in the four-year plan.

+Foreign Language courses are determined through placement by the World Languages Department, Room 3C08.