**2017-2018**

**Degree Map:** [**Pharmaceutical Science (BS)**](https://www.york.cuny.edu/produce-and-print/contents/bulletin/school-of-arts-and-sciences/chemistry/pharmaceutical-sciences-bs)

Department of Chemistry

School of Arts & Sciences | York College | CUNY

Academic Core 3F01 | 718-262-2653

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 do not need to take all courses in the plan; they should consult with an academic advisor.

| Course | Credit | Course | Credit |
| --- | --- | --- | --- |
| **FIRST YEAR - FALL** | **16** | **FIRST YEAR - SPRING** | **16** |
| English Composition (EC): ENG 125 | 3 | English Composition (EC): ENG 126 | 3 |
| Mathematical & Quantitative Reasoning (MQR): MATH 121 | 4 | MATH 122 | 4 |
| BIO 201 | 4 | CHEM 111 + CHEM 112 | 5 |
| Scientific World (SW):CHEM 108 + CHEM 109 | 5 | BIO 202 | 4 |

| Course | Credit | Course | Credit |
| --- | --- | --- | --- |
| **SECOND YEAR - FALL** | **14** | **SECOND YEAR - SPRING** | **13** |
| CHEM 231 | 3 | Creative Expression (CE)‡ | 3 |
| CHEM 232 | 2 | CHEM 233 | 3 |
| BIO 301 | 4 | CHEM 234 | 2 |
| Life & Physical Science (LPS):PHYS 117 + PHYS 113 | 5 | Additional Flexible Core Course:PHYS 118 + PHYS 114 (SW) | 5 |

| Course | Credit | Course | Credit |
| --- | --- | --- | --- |
| **THIRD YEAR - FALL** | **15** | **THIRD YEAR - SPRING** | **15** |
| US Experience in its Diversity (USED)‡ | 3 | World Culture & Global Issues (WCGI)‡ | 3 |
| CHEM 321 | 3 | CHEM 323 | 3 |
| CHEM 341 | 3 | CHEM 342 or CHEM 462 (WI) | 3 |
| CHEM 460 | 3 | Writing Intensive (WI) - RecommendedPHS 480 WI or PHS 490 WI (PHSElective) | 3 |
| PHS 300 | 3 | PHS 301 | 3 |

| Course | Credit | Course | Credit |
| --- | --- | --- | --- |
| **FOURTH YEAR - FALL** | **16** | **FOURTH YEAR - SPRING** | **15** |
| College Option: Writing Requirement | 3 | Individual & Society (IS)‡ | 3 |
| College Option: Foreign Language† | 3 | College Option: Foreign Language† | 3 |
| PHS 350 | 3 | College Option: HE 111 | 3 |
| PHS 401 | 3 | PHS Elective | 3 |
| Free Elective | 4 | PHS Elective | 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 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

‡The Chemistry Department recommends students take Writing-Intensive courses within the Flexible Core requirements.

If not WI, two additional WI courses must be taken in place of free electives before graduation.