

Recommended Course Sequence

The number of credits you take each year will determine when you graduate. To graduate on time, you are strongly encouraged to enroll in at least 30 credits toward your degree during the calendar year, including fall and spring semesters and winter and summer sessions.

Dual/Joint A.S. Degree in Chemistry and B.S. in Pharmaceutical Sciences (York College)

Catalog Year 2016-17

Fall Semester #1

Courses	Credits	Pre-requisites and co-requisites
ENGL 101 English Composition I (Required Core 1.A. – English Composition)	3	Pre-req.: BE 112/205 and 122/226 or passing score on CUNY placement, or exemption
MA 441 Analytical Geometry and Calculus I ⁵ (Required Core 1.B. Mathematical and Quantitative Reasoning)	4	Pre-req.: MA 440 Pre-Calculus (4 credits) ¹
CH 151 General Chemistry 1 ⁵ (Required Core 1.C. Life & Physical Sciences)	4.5	Pre-req.: MA 119 College Algebra (3 credits) and MA 121 Trigonometry (1 credit) or placement
Flexible Core - One course from ² 2.A. World Cultures & Global Issues OR 2.B. U. S. in Its Diversity OR 2.C. Creative Expression OR 2.D. Individual & Society	3	Check individual courses for pre- and co-requisites
Total credits for the term	14.5	

Spring Semester #1

Courses	Credits	Pre-requisites and co-requisites
ENGL 102 English Composition II (Required Core 1.A. – English Composition)	3	Pre-req.: ENGL 101 or placement
MA 442 Analytical Geometry and Calculus II	4	Pre-req.: MA 441 with grade of C or better
CH 152 General Chemistry II (Flexible Core 2. E.) ⁵	4.5	Pre-req.: CH 151
Flexible Core one course from 2. A, B, C, or D ²	3	Check pre-req. and co-req. for individual courses
HE 102 Health, Behavior and Society	2	Co-req.: BE 122 or BE 226
Total credits for the term	16.5	

Fall Semester #2

Courses	Credits	Pre-requisites and co-requisites
CH 251 Organic Chemistry I	5	Pre-req.: CH 152 or permission of department
BI 201 General Biology I (Flexible Core 2.E.) ⁵	4	Pre-req.: BE 112/205 and 122/226 or passing score on CUNY placement, or exempt
Flexible Core one course from 2. A, B, C, or D ²	3	Check pre-req. and co-req. for individual courses
Foreign Language or Liberal Arts and Sciences	3-4	Check pre-req. and co-req. for individual courses
Total credits for the term	15-16	

Spring Semester #2

Courses	Credits	Pre-requisites and co-requisites
CH 252 Organic Chemistry II	5	Pre-req.: CH 251
BI 202 General Biology II	4	Pre-req.: BI 201
Flexible Core one course from 2. A, B, C, or D ²	3	Check pre-req. and co-req. for individual courses
Free elective	1-2	Check pre-req. and co-req. for individual courses
Total credits for the term	13-14	
Total credits required for the A.S. in Chemistry	60	

Notes:

1. Students who do not place into MA 441 (Analytical Geometry and Calculus I) will need to take the pre-requisite credit courses indicated above, which do not count toward the program requirements.
2. Each of these Flexible Core courses should be selected from a different category (A, B, C, or D).
3. All students must complete two (2) WI-designated classes to fulfill degree requirements.
4. Students in degree programs must complete any required remedial speech courses before graduation.
5. Students are required to take particular courses in some areas of the Common Core that fulfill both general education and major requirements. If students do not take the required courses in the Common Core, they will have to take additional credits to complete their degree requirements.