



## 2015-2016 Pathways Major Plan

### Biology (BS)

Department of Biology  
 School of Arts & Sciences  
 Academic Core 4E03 | 718-262-2700

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 within a minimum of three 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)

	Credits		Credits
<b>THIRD YEAR - FALL</b>	<b>14</b>	<b>THIRD YEAR - SPRING</b>	<b>13</b>
Math 119 + Math 120#	5	MATH 121	4
BIO 201	4	BIO 202	4
CHEM 108 + CHEM 109	5	CHEM 111 + CHEM 112	5
<b>FOURTH YEAR - FALL</b>	<b>13.5</b>	<b>FOURTH YEAR - SPRING</b>	<b>13.5</b>
BIO 301	4	College Option: Writing Requirement: WRIT 302	3
CHEM 231	3	BIO 307	3
CHEM 232	2	CHEM 233	3
BIO Elective Course from Group 2* or Group 3**	4.5	BIO Elective Course from Group 2* or Group 3**	4.5
<b>FIFTH YEAR - FALL</b>	<b>14</b>	<b>FIFTH YEAR - SPRING</b>	<b>12.5</b>
PHYS 113 + PHYS 115 <sup>1</sup>	5	PHYS 114 + PHYS 116 <sup>2</sup>	5
BIO Elective Course from Group 2* or Group 3**	4.5	BIO 486-489 (WI)	3
BIO Elective Course from Group 2* or Group 3**	4.5	Free Elective	4

- 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.

#### Notes for Biology Major Requirements

#Students placing out of Math 119/120 may take a General Education course instead.

<sup>1</sup>PHYS 117 can be substituted for PHYS 115

<sup>2</sup>PHYS 118 can be substituted for PHYS 116

\*Elective Courses from Group 2 (**Organismic and Environmental Biology**): A minimum of 7.5 credits in total must be taken to fulfill major requirements. Select a 200-400 level courses from the following: BIO 331, 308, 309, 325, 334, 410, 411, or 477.

\*\*Elective Courses from Group 3 (**Cell and Molecular Biology**): A minimum of 7.5 credits in total must be taken to fulfill major requirements. Select a 200-400 level courses from the following: BIO 320, 412, 415, 444, 452, 465, 466, 480, BTEC 352 or CHEM 412.