

# BIOLOGY MAJOR AND PREREQUISITES FOR THE ACCELERATED PHARMACY PROGRAM WITH MASSACHUSETTS COLLEGE OF PHARMACY AND HEALTH SCIENCES

## Requirements for a Major in Biology and to meet the prerequisites for the Accelerated Pharmacy Program with Massachusetts College of Pharmacy and Health Sciences

Code	Title	Credits
<b>Required Biology courses (38 credits)</b>		
BI-140	Introduction to Organismal Biology	4
BI-141	Intro to Cellular and Molecular Biology	4
BI-200	Human Biology (Or BI-161 Human Anatomy and Physiology I and BI-162 Human Anatomy & Physiology II (8 credits))	4
BI-202	Principles of Ecology	4
BI-203	Genetics	4
BI-204	Microbiology	4
BI-404	Biology Seminar	2
3 Upper Division Electives (300 or 400 level lab courses)		12
<b>Ancillary Requirements (29 credits)</b>		
MA-150	Statistics I	3
MA-190	Pre-calculus (or Higher)	4
CH-120 & CH-121	General Chemistry I and General Chemistry II	8
CH-201 & CH-202	Organic Chemistry I (lecture) and Organic Chemistry II (lecture)	6
PY-221 & PY-222 or PY-241 & PY-242	General Physics I and General Physics II Physics I (Mechanics) and Physics II ( Electricity, Magnetism and Optics )	8
<b>Accelerated Pharmacy Program (9 credits)</b>		
CH-203	Organic Chemistry Laboratory I	2
MA-200	Calculus I	4
Math or Computer Science Elective (e.g.: MA-190, MA-201, CS-101)		3
<b>Total Credits</b>		<b>76</b>

## Department of Biology: WSU/MCPHS 3+3 Curriculum Guide for Biology Majors Sample Timeline for Completion of Degree

Year One		Credits
Semester One		Credits
EN-101	College Writing I	3
CH-120	General Chemistry I	4
BI-140	Introduction to Organismal Biology	4
LASC	First-Year Seminar	3
MA-200	Calculus I	4
<b>Credits</b>		<b>18</b>

Semester Two		Credits
EN-102	College Writing II	3
CH-121	General Chemistry II	4
BI-141	Intro to Cellular and Molecular Biology	4
MA-201	Calculus II	4
LASC	Distribution Elective (CON) <sup>1</sup>	3
<b>Credits</b>		<b>18</b>

Year Two		Credits
Semester Three		Credits
BI-203	Genetics	4
CH-201 & CH-203	Organic Chemistry I (lecture) and Organic Chemistry Laboratory I	5
PY-221 or PY-241	General Physics I <sup>2</sup> or Physics I (Mechanics)	4
LASC	Distribution Elective (HBS)	3
<b>Credits</b>		<b>16</b>

Semester Four		Credits
BI-204	Microbiology	4
CH-202 & CH-204	Organic Chemistry II (lecture) and Organic Chemistry Laboratory II	5
PY-222 or PY-242	General Physics II <sup>2</sup> or Physics II ( Electricity, Magnetism and Optics )	4
LASC	LASC Elective (ICW)	3
<b>Credits</b>		<b>16</b>

Year Three		Credits
Semester Five		Credits
BI-200	Human Biology	4
MA-150	Statistics I	3
LASC	Distribution Elective (USW)	3
LASC	Distribution Elective (GP)	3
BI-202	Principles of Ecology	4
<b>Credits</b>		<b>17</b>

Semester Six		Credits
LASC	Distribution Elective (CA)	4
BI-404	Biology Seminar	2
Optional	Upper Level Elective (Optional)	4
LASC	Distribution Elective (TLC)	3
LASC	Distribution Elective	3
<b>Credits</b>		<b>16</b>
<b>Total Credits</b>		<b>101</b>

<sup>1</sup> **Winter session or Summer after 1st and 2nd years:** one course that meets LASC requirements (6 credits total). LASC requirements should include: Introduction to Psychology, Introduction to Sociology, a course that fulfills the Constitutions, Economics, and an upper level (beyond first semester) behavioral science (Psychology or Sociology).

<sup>2</sup> PY-241 and can be taken in place of PY-221 and PY-222, however these should be taken concurrently with or after calculus. The 200 level Biology courses may be taken in any order.

**Note:** Total Credits taken at WSU=105. Remaining credits are transferred from MCPHS and fulfill upper level biology electives.

Students interested in pursuing the 3+3 Pharmacy program should meet with Dr. Daron Barnard in the Biology Department as early as possible in their undergraduate studies to ensure they are on track to apply for the program in the fall of their third year.

Students are required to meet with their academic advisor to review their courses for the upcoming semester. A minimum of 120 credits is required for graduation. First-year and transfer students with 45 or fewer credits at the time of admission shall complete two academic programs (a major/major or major/minor) to qualify for graduation. For more information, please view the MajorPlus section of this catalog.