

Major Progress Tracker: Molecular Biology – Biochemistry

***For Students Admitted FALL 2018 and Later ***

Name _____	PS # _____	Date _____
TARGET GRADUATION DATE: _____		

BIOSC COURSES			
<i>You must earn a grade of C or better (not C-) in your 32 credits of Biology courses</i>			
BIOSC #	Cr	Grade	Notes
005X Foundations Bio Lab 1	1		
006X Foundations Bio Lab 2	1		
0150 Foundations Bio 1 (JHC0155)	3		
0160 Foundations Bio 2 (JHC0165)	3		
0350 Genetics	3		
(BIOSC Elective)	3		
1810+ Macromolec. Struc/Func (F)	3		
1820+ Metabolic Pathways (Sp)	3		
1830 Biochemistry Lab (Sp)	2		
1940 Molecular Biology (F)	3		
1950 Molecular Genetics Lab (F)	2		
1470* Biophysical Chemistry (Sp)	3		
1581 • 1831 • 1951# (WRIT)	1		
1580 Sr Seminar Biochem (Sp)	1		
TOTAL	32		

+ Biosc 1810+1820 = Biochemistry, DO NOT take Biosc 1000
 * or Chem 1410 & 1420 (6 Cr) can substitute for 1470
 # choose one Biosc WRIT Practicum, see back for details

General Education Requirements

Wrkshp Comp _____ Sem in Comp _____
 Writ #1 _____ Writ #2 _____ (in BIOSC) _____
 Algebra _____ Quant Formal Reas. _____
 2nd Language _____
 Diversity Course _____
The Diversity course may be used to fulfill another General Education Requirement.

Division Requirements (Humanities, Arts, Social Sciences, Natural Sciences)

Literature _____
 The Arts _____
 Creative Work _____
 Philosophical Thinking/Ethics _____
 Social Science _____
 Historical Analysis _____
 Natural Sciences *Fulfilled by Major*

Global Awareness & Cultural Understanding

Global Issues _____
 Geographic Region _____
 Cross-Cultural Awareness _____

120 TOTAL credits required for degree	Date	Co-req GPA	BIOSC GPA

See p.2 for GPA calculation details

CO-REQUISITES

You must average a 2.000 GPA in your co-requisite courses.

CHEMISTRY				MATH				PHYSICS			
								<i>Take 1 sequence (alg OR calc)</i>			
CHEM #	Cr	Grade	Notes	COURSE #	Cr	Grade	Notes	PHYS #	Cr	Grade	Notes
0110 Gen Chem 1	4			0220 Calc 1	4			0110 Physics 1 (alg)	3		
0120 Gen Chem 2	4			0230 Calc 2	4			0111 Physics 2 (alg)	3		
0310 Org Chem 1	3			<i>MATH 0235 = MATH 0220 + 0230</i>				0174 Physics 1 (calc)	4		
0320 Org Chem 2	3							0175 Physics 2 (calc)	4		
0345/0745 Org Chem Lab	2							0212 or 0219 (lab)*	2		
<i>*Lab is not needed for degree but is required for medical and some graduate schools.</i>											

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To complete elective and Writing Intensive credits for the MOLBIO – Biochemistry major, see below:

For BIOSC electives to complete major, see Biological Sciences Course List in A258 Langley or view online at: biology.pitt.edu/undergraduate/courses

Up to 3 credits of the following may be used as BIOSC electives:
NROSC 1000, 1003(UHC), 1012, 1017, ANTH 1601, 1603, 1605, CHEM 1830.

BIOSC 1690, 1900-1907 are not usable as elective credits for major.

Molecular Biology – Biochemistry WRIT Practica Courses

Select one (any course below satisfies the WRIT Requirement for MOLBIO Biochem Majors when taken along with the lab or seminar):

<i>BIOSC #</i>	<i>Course Name</i>	<i>Credits</i>
1581	Biochemistry Seminar Writing Practicum (Sp)	1
1831	Biochemistry Laboratory Writing Practicum (Sp)	1
1951	Molecular Genetics Laboratory Writing Practicum (F)	1

Grade and GPA Requirements:

- a) **You must have** a grade of "C" or better in your 32 credits of Biology courses for the BIOSC major - this means no C- or lower in a BIOSC course will be allowed for the major. However, a C-, D+, D, D- can count towards your total 120 credits for the bachelor's degree, and is averaged into your BIOSC GPA.
- b) **AND** an overall BIOSC GPA (32 plus any extra BIOSC credits) of 2.000 or better.
- c) **AND** your corequisite GPA (chem, math, phys) must average to 2.000 or better. [Thus, a grade lower than C in Math, Chemistry or Physics can be used if the co-req GPA still averages to 2.000. See **exceptions** below.]
 - **Exceptions:**
 - i. Students must earn a grade of C (not C-) or better in CHEM 0110 and CHEM 0120 for the major.
 - ii. Students must earn a grade of C (not C-) or better in PHYS 0110/0174 to enroll in PHYS 0111/0175.
 - iii. Students must earn a grade of C (not C-) or better in MATH 0220 to enroll in MATH 0230.
 - iv. Students must earn a grade of C (not C-) or better in MATH 0230 to enroll in BIOSC 1470.
- d) **AND** your related area GPA (chemistry courses) must average to 2.000.
- e) To receive the **chemistry minor**, you must earn at least a 2.000 average GPA in the corequisite chemistry courses and BIOSC 1810, AND at least half of the chemistry credits must be earned at the Pittsburgh Campus. Only CHEM 0110 and CHEM 0120 can be taken on a S/NC basis, all other classes for the chemistry minor need to be taken for a letter grade.

Calculating your GPA - The Bio advisors have a GPA calculator spreadsheet – ask and we'll send it to you.

OR for instructions and download a spreadsheet, go to: asundergrad.pitt.edu/personalized-advising/gpa-calculator