

B.S. in BIOLOGICAL SCIENCES

PROGRAM GUIDE for freshmen or transfer students entering with no Bio I or II prior to fall 2018

Name: _____

Effective Fall 2017 (bioadvising@rowan.edu)

ID#: _____

TR RU SEM
HRS

Communications

___	___	(COMP 01111) College Comp I	3	___
___	___	(COMP 01112) College Comp II	3	___

Science and Mathematics

___	___	(MATH 01130) Calculus I *	4	___
___	___	(CHEM 06100) Chemistry I *	4	___

Social and Behavioral Sciences

___	___	_____	3	___
___	___	_____	3	___

History/Humanities/Languages

___	___	(PHIL 09369) Philosophy-of-Science-WI or (PHIL 09376) Philosophy-of-Medicine-WI	3	___
___	___	Literature	3	___

Non-Program Courses

___	___	(CMS 04205) Public Speaking	3	___
___	___	Fine Arts (ACE)	3	___
___	___	_____	3	___
___	___	_____	3	___
___	___	_____	3	___
___	___	_____	1	___

***Specific Requirements for the Major**

ROWAN EXPERIENCE Check List:

___ Multicultural/Global ___ Public Speaking ___ ACE

___ Literature ___ Writing Intensive ___ Rowan Seminar+
(MG: Philosophy of Science or Philosophy of Medicine)
(WI: Philosophy of Science, Philosophy of Medicine or Special Topics)

1. Minimum grade of C- or better required in each Intro BIOLOGY sequence course to progress in major.
2. Average of C required in all chemistry, physics, calculus and biometry courses required for the major.

3. * Courses marked with an asterisk are specific Gen. Ed. requirements for the major.
4. +Rowan Freshman Seminar is not required for transfer students.

5. At least three of the Biology elective lab courses must be 300 level or 400 level.

6. At least four of the biology electives must be upper level

Notes:
TR RU

Science Core

___	___	(BIOL 01104) Intro to Evolution and Scientific Inq.	4	___
___	___	(BIOL 01106) Introduction to Genetics	4	___
___	___	(BIOL 01203) Introduction to Cell Biology	4	___
___	___	(BIOL 01204) Introduction to Ecology	4	___
___	___	(CHEM 06101) Chemistry II	4	___
___	___	(CHEM 07200) Organic Chemistry I	4	___
___	___	(CHEM 07201) Organic Chemistry II	4	___
___	___	(PHYS 00210) Physics I w/o Calculus	4	___
___	___	(PHYS 00211) Physics II w/o Calculus	4	___
___	___	(STAT 00280) Biometry	4	___

Biology Electives: 5 courses#

			<u>300/400</u>	<u>Lab</u>
	<u>Level?</u>	<u>Course?</u>	<u>Credits</u>	
___	___	___	300+	4
___	___	___	300+	4
___	___	___	300+	4
___	___	___	200+	4
___	___	___	300+	3 or 4
___	___	(BIOL 01445) <u>Special Topics or</u>		3
___	___	(BIOL 01475) <u>Bio Lab/Field Research</u>		

***You must take 4 approved electives with labs. At least 3 of these courses must be 300 or 400 level. Some 300/400-level courses do not have labs.**

Free Electives

___	___	_____	3	___
___	___	_____	3	___
___	___	_____	3	___
___	___	_____	3	___
___	___	_____	3	___
___	___	_____	1	___

PROGRAM TOTAL

120 S.H.

Other Requirements and Notes:

1. Students may transfer over unlimited credits but a minimum of 30 s.h. must be completed at Rowan University to obtain a Rowan University degree
2. Rowan University requires that a student must have a 2.0 overall GPA to graduate.
3. Transfer students who have taken the equivalent of BIOL01.100 and BIOL01.101 at another institution should take BIOL01.202 (Biology 3T: Biological Skills and Methods), which will allow them to take BIO 01.204 (Biology 4: Global Ecology). This will complete the introductory sequence and allow them to take most Biology electives.
4. All students must receive a grade of C or better in each upper level Biology course that they wish to count toward the Biology major.
5. All students must have a combined GPA of 2.0 for all Chemistry I, Chemistry II, Organic Chemistry I, Organic Chemistry II, Physics I, Physics II, Calculus I, and Biometry courses that they take at Rowan University.
6. Calculus I, Chemistry I, and Philosophy of Science-WI or Philosophy of Medicine-WI may also serve to fulfill the Math/Science General Education requirement, the Lab Science General Education requirement, and one of the History/Humanities/Languages General Education requirements respectively. Those courses are included as part of the total 42 s.h. of General Education rather than the 62 s.h. of Required Major Courses.
7. For more information regarding biology electives, please refer to “Biology Electives toward Biological Sciences Program” on the department website <http://www.rowan.edu/colleges/csm/departments/biologicalSci/index.html>.