### B.S. in BIOLOGICAL SCIENCES

**PROGRAM GUIDE for transfer students with Bio I and II who enter before Fall 2017**

**Revised Fall 2017**

(bioadvising@rowan.edu)

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<tr>
<th>TR</th>
<th>RU</th>
<th>SEM HRS</th>
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**Communications**

- 6 S.H.
- (COMP 01111) College Comp I 3
- (COMP 01112) College Comp II 3

**Science and Mathematics**

- 8 S.H.
- (MATH 01130) Calculus I * 4
- (CHEM 06100) Chemistry I * 4

**Social and Behavioral Sciences**

- 6 S.H.
- ____________________________ 3
- ____________________________ 3

**History/Humanities/Languages**

- 6 S.H.
- (PHIL 09369) Philosophy-of-Science-WI or (PHIL 09376) Philosophy-of-Medicine-WI 3
- Literature ____________________________ 3

**Non-Program Courses**

- 16 S.H.
- (CMS 04205) Public Speaking 3
- Fine Arts (ACE) 3
- ____________________________ 3
- ____________________________ 3
- ____________________________ 3
- ____________________________ 1

**Notes:**

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. *C*ourses 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.

**Science Core**

- (BIOL 01100) Intro to Evolution & Scientific Inq. 4
- (BIOL 01101) Introduction to Genetics 4
- (BIOL 10202) Biological Skills for Transfer Students 4
- (BIOL 01204) Intro 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**

<table>
<thead>
<tr>
<th>Level?</th>
<th>Course?</th>
<th>Credits</th>
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<tbody>
<tr>
<td>300+</td>
<td>4</td>
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<td>300+</td>
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<tr>
<td>300+</td>
<td>4</td>
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</tr>
<tr>
<td>200+</td>
<td>4</td>
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<tr>
<td>200+</td>
<td>3 or 4</td>
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<tr>
<td>(BIOL 01445) Special Topics or (BIOL 01475) Bio Lab/Field Research</td>
<td>3</td>
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**Free Electives**

- 16 S.H.

**Notes:**

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. *C*ourses 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. Some 300/400-level courses do not have labs.

**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)

**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.