

# B.S. in Biological Sciences

## REpace Change iAcademic Program Guide for **New First-Year Students** (Effective Fall 2026) Department of Biological & Biomedical Sciences

*Students who entered Rowan University prior to Fall 2026 should follow the guide for their program and start year in consultation with their advisor.*

### Rowan University Graduation Requirements for all Majors / Degrees

- Students must complete at least 120 semester hours (sh) of coursework that apply to their Rowan University degree.
- Students must have a cumulative GPA of at least 2.0 in Rowan University coursework. (Transfer courses/credit do not count toward the RU GPA.)
- A minimum of 30 sh of coursework must be completed at/through Rowan University.
- Only grades of “D-” or above may apply to graduation/degree requirements. (Some programs may set higher minimums.)
- Students must meet the Rowan Core and Rowan Experience Requirements.
  - An individual course can potentially satisfy one Rowan Core literacy and/or multiple Rowan Experience attributes.
  - Rowan Core and Rowan Experience designations are listed in course details in Section Tally ([www.rowan.edu/registrar](http://www.rowan.edu/registrar)) and may also be searched on that site under “Attributes.” A list of Rowan Core courses is here: <https://confluence.rowan.edu/display/AS/Rowan+Core+Course+List>.
- Students must apply for graduation and should do so for the term in which they will complete all program requirements.

### Program-Specific Graduation Requirements for this Major / Degree

- Students must receive a grade of C- or better in all introductory-level biology courses to progress to the subsequent course (BIOL 01100, 01101, 01200, and 01204).
- Students must have a cumulative GPA of 2.0 in the courses specifically required for the major. (Transfer courses/credit do not count toward this GPA calculation.)

#### Rowan Core Requirements<sup>1</sup>

*Students must satisfy all six Rowan Core Literacies. A minimum total of 3 sh of coursework is required to satisfy each Literacy.*

- (COML) Communicative Literacy: *Must be met by the following three courses or their official equivalents:*
  - COMP 01111 College Composition I (3 sh)     COMP 01112 College Composition II (3 sh)     CMS 04205 Public Speaking (3 sh)
- (ARTL) Artistic Literacy (3 sh)    *Recommendation from major:*
- (GLBL) Global Literacy (3 sh)    *Recommendation from major:*
- (HUML) Humanistic Literacy    *Recommendation from major:* PHIL 09261 (3 sh counted under non-program)
- (QNTL) Quantitative Literacy    *Recommendation from major:* MATH 01130 (4 sh counted under non-program)
- (SCIL) Scientific Literacy    *Recommendation from major:* CHEM 06100 or BIOL 01100 (4 sh counted under major)

Subtotal of credits counted in this section: 15 sh

### Rowan Experience Requirements

*Students must satisfy all three Rowan Experience attributes. Credits attached to the courses in this section will apply elsewhere.*

- (LIT) Broad-Based Literature Attribute    *Recommendation from major:*
- (WI) Writing Intensive Attribute    *Recommendation from major:* PHIL 09261-WI (3 sh counts under non-program)
- (RS) Rowan Seminar Attribute<sup>2</sup>    *Recommendation from major:* BIOL 01129 (1 sh counted under major)

### Non-Program Courses (minimum 18 sh)

*Courses in this section cannot be in the major department.*

Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
MATH 01130	Calculus I	Satisfies Quantitative Literacy			4
PHIL 09261	Philosophical Perspectives on Science - WI	Satisfies Humanistic Literacy and WI requirement			3
					<b>Subtotal: 18 sh</b>

<sup>1</sup> The Rowan Core requirements are waived for transfer students with an earned A.A. or A.S. degree from a NJ community/county college.

<sup>2</sup> The Rowan Seminar requirement is waived for all students transferring 24 or more approved credits into Rowan University at the time of initial entry.



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Total Program Credits Required for this Major / Degree: 120 SH

## Sample Sequence

First Semester	Credit	Second Semester	Credit
BIOL 01.100 Biology I	4	BIOL 01.101 Biology II	4
CHEM 06.100 Chemistry I (Scientific Literacy)	4	CHEM 06.101 Chemistry II	4
COMP 01.111 College Comp. I	3	COMP 01.112 College Comp. II	3
Artistic Literacy (Rowan Core)	3	Global literacy (Rowan Core)	3
BIOL 01.129 Professional Development 1	1		
<b>Term Total Credit</b>	<b>15</b>	<b>Term Total Credit</b>	<b>14</b>
Third Semester	Credit	Fourth Semester	Credit
BIOL 01.200 Genetics	4	BIOL 01.204 Ecology	4
CHEM 07.200 Organic Chemistry I	4	CHEM 07.201 Organic Chemistry II	4
MATH 01.130 Calculus I (Quantitative Literacy)	4	STAT 02.280 Biometry	4
General Education Elective/Free Elective	3	General Education Elective/Free Elective	3
BIOL 01.131 Professional Development 2	1	CMS 04.205 Public Speaking	3
<b>Term Total Credit</b>	<b>16</b>	<b>Term Total Credit</b>	<b>17</b>
Fifth Semester	Credit	Sixth Semester	Credit
PHYS 00.210 Physics I	4	PHYS 00.211 Physics II	4
PHIL 09.261 Philosophical Perspectives on Science-WI	3	Upper-level biology elective	3
Biology lab elective	4	Upper-level biology lab elective	4
General Education Elective/Free Elective	3	General Education Elective/Free Elective	3
<b>Term Total Credit</b>	<b>14</b>	<b>Term Total Credit</b>	<b>14</b>
Seventh Semester	Credit	Eighth Semester	Credit
BIOL 06.100 Biological and Biomedical Research I OR BIOL 01.445 Special Topics	3	Upper-level biology lab elective	4
Upper-level biology lab elective	4	General Education Elective/Free Elective	3
General Education Elective/Free Elective	3	General Education Elective/Free Elective	3
General Education Elective/Free Elective	3	General Education Elective/Free Elective	3
BIOL 01.132 Professional Development 3	1		
<b>Term Total Credit</b>	<b>14</b>	<b>Term Total Credit</b>	<b>14</b>