

9/2008: This model is in effect for all students entering the program after 9/1/2008

Name: _____

PROGRAM GUIDE FOR B.S. DEGREE IN BIOLOGY

Trans.	Rowan	Sem. Hrs.
	GENERAL EDUCATION Requirements (See Gen Ed Guide)	
	COMMUNICATIONS (min. 6 s.h.)	
	ENGL 01.111 College Composition I	3
	ENGL 01.112 College Composition II	3
	SCIENCE AND MATHEMATICS (min. 7 s.h.)	
	Math/Science (choice from Approved General Education Courses)	3
	Lab Science (choice from Approved General Education Courses)	4
	HISTORY, HUMANITIES & LANGUAGES (min. 6 s.h.)	
	Choice from Approved General Education Courses	3
	Choice from Approved General Education Courses	3
	SOCIAL AND BEHAVIORAL SCIENCES (min. 6 s.h.)	
	Choice from Approved General Education Courses	3
	Choice from Approved General Education Courses	3
	ROWAN EXPERIENCE (RE) Requirements (9 s.h.)-see RE Guide	
	WI	3
	M/G	3
	RS	3
	CMS 06.202 Public Speaking	3
	Literature (Broad-based LIT choice from Approved RE courses)	3
	Artistic and Creative Experience (choice from Approved RE courses)	3
	NON-PROGRAM ELECTIVES (min. 6 s.h.)	
		3
		3
	REQUIRED MAJOR COURSES (73 s.h.)	
	BIOL01.104 Biology 1: Diversity, Evolution, & Adaptation (see below)	4
	BIOL01.106 Biology 2: Concepts in Genetics (see below)	4
	BIOL01.203 Biology 3: Introduction to Cell Biology (see below)	4
	BIOL01.204 Biology 4: Global Ecology	4
	CHEM06.100 Chemistry I (see below)	4
	CHEM06.101 Chemistry II	4
	CHEM07.200 Organic Chemistry I	4
	CHEM07.201 Organic Chemistry II	4
	PHYS02.202 Physics I	4
	PHYS02.203 Physics II	4
	PHIL09.369 Philosophy of Science (see below)	3
	MATH01.130 Calculus I (see below)	4
	STAT02.280 Biometry	4
	BIOL01.445 Special Topics (Senior Seminar) or BIOL01.475 (Biology Lab/Field Research)	3
	Additional Biology electives (see below)	19
	FREE ELECTIVES (5 s.h. or more)	

		Total Credits in Program	120 s.h.

All students must take 42 credits of General Education and Rowan Experience courses.

Students must also take the following:

- One Rowan Seminar (excluding transfers)
- One Multicultural/Global Studies (M/G)
- One Writing Intensive (WI)
- One Broad-based Literature (LIT)
- One Artistic and Creative Experience (ACE)
- One Public Speaking (PS)

NOTE: M/G, LIT, ACE, WI and RS courses that are taken within the major program of study DO NOT COUNT towards this minimum total of 42 credits.

Courses may be transferred from Community Colleges up to a maximum of 90 hours; all such transfers are counted as lower-level courses.

Students must have a 2.0 overall GPA as well as a 2.0/2.5 etc. GPA in major courses taken at Rowan.

Major Requirements

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. This will complete the introductory sequence and allow them to take most Biology electives.

All students must receive a grade of C or better in any Biology course in order for it to count toward the Biology major. All students must have an average grade of C for all chemistry, physics, and math courses in order to graduate with a B.S. in Biology.

Calculus I, Chemistry I, and Philosophy of Science 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.

Biology electives include any 300 or higher-level Biology courses, as well as BIOL10.210 (Human Anatomy and Physiology I) and BIOL10.212 (Human Anatomy and Physiology II). Biology electives must include at least **four laboratory courses**. Students must take a minimum of 15 s.h. of Biology electives at Rowan University.