

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

Name: _____

PROGRAM GUIDE, BACHELOR OF SCIENCE, BIOLOGY

- ◆ All students are required to take a minimum combined total of 42 semester hours of General Education and Rowan Experience courses. *(Italics indicate prerequisites)*

GENERAL EDUCATION REQUIREMENTS (choice from Approved Gen Ed Guide)				
Transfer	Rowan	Hegis #	COMMUNICATIONS BANK <i>minimum 6 s.h.</i>	6-7 S.H.
		COMP01.111	College Composition I (3 s.h.) OR	3 s.h.
		COMP01.105	Integrated College Composition I (4 s.h.)	4 s.h.
		COMP01.112	College Composition II (<i>College Composition I</i>)	3 s.h.
Transfer	Rowan	Hegis #	SCIENCE/MATHEMATICS BANK <i>minimum 7 s.h.</i>	7 S.H.
			Math choice from Approved Gen Ed Guide	3 s.h.
			Lab Science choice from Approved Gen Ed Guide	4 s.h.
Transfer	Rowan	Hegis #	SOCIAL & BEHAVIORAL SCIENCES BANK <i>minimum 6 s.h.</i>	6 S.H.
			Choice from Approved General Education Courses	3 s.h.
			Choice from Approved General Education Courses	3 s.h.
Transfer	Rowan	Hegis #	HISTORY/HUMANITIES/LANGUAGE BANK <i>minimum 6 s.h.</i>	6 S.H.
			Choice from Approved General Education Courses	
			Choice from Approved General Education Courses	
Transfer	Rowan	Hegis #	NON-PROGRAM COURSES <i>minimum 6 s.h.</i>	6 S.H.

ROWAN EXPERIENCE REQUIREMENTS (choose from Approved RE Guide)				
(Can be taken as a Gen Ed OR within the major requirements.)				
Transfer	Rowan	Hegis #		6 S.H.
		CMS 04205	Public Speaking (<i>College Composition I and II</i>)	3 s.h.
			Artistic/Creative Experience	3 s.h.
CHECK TO BE SURE THE FOLLOWING REQUIREMENTS ARE COMPLETED				
			Broad Based Literature Course (LIT)	
			Writing Intensive Course (WI)	
			Multicultural/Global Course (M/G)	
			Lab Science Course (LAB)	
			Computer Competency Exam or Computer Literacy Course	
			Rowan Seminar (RS) – <i>Freshmen Only</i>	

- ◆ **NOTE:** *M/G, LIT, ACE, WI and RS courses, if taken within the major program of study, CAN NOT COUNT towards the minimum total of Gen Ed 42 credits.*
- ◆ This information has been provided by the department listed above as of the date listed below and is subject to change.
- ◆ To declare this major go to the CAP Center in Savitz Hall.
- ◆ *Students should consult with their program advisor for suggested General Education and Rowan Experience courses.*

BACHELOR OF SCIENCE, in BIOLOGY

REQUIRED MAJOR COURSES

73 s.h.

Course #	COURSE NAME	S.H.	PREREQUISITES
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 or BIOL01.475	Special Topics (Senior Seminar) or Biology Lab/Field Research	3	
	Additional Biology electives (see below)	19	
	FREE ELECTIVES (5 s.h. or more)		

Other Requirements

NOTE: 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.

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, at least three of which must be 300-level or higher**. Students must take a minimum of 15 s.h. of Biology electives at Rowan University.

Total Credits in Program120 S.H.