

PROGRAM GUIDE FOR a B.S. DEGREE IN BIOCHEMISTRY

Trans.	Rowan	Sem. Hrs.
	GENERAL EDUCATION Requirements (See Gen Ed Guide)	
	COMMUNICATIONS (min. 6 s.h.)	
	COMP 01.111 College Composition I	3
	COMP 01.112 College Composition II	3
	SCIENCE AND MATHEMATICS (min. 7 s.h.)	
	MATH 01.130 Calculus I	4
	MATH 01.131 Calculus II OR STAT 02.260 Statistics I	4
	PHYS 02.200 Introductory Mechanics	3
	HISTORY, HUMANITIES & LANGUAGES (min. 6 s.h.)	
	PHIL 09.369 Philosophy of Science-WI	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 PHIL 09.369 Philosophy of Science-WI	3
	M/G (Choice from SBS RE Bank)	3
	RS (May be a course already listed elsewhere.)	3
	CMS 04.205 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.)	
	BIOL 01.106 Biology 2	4
	PHYS 02.201 Introductory Electricity & Magnetism	4
	REQUIRED MAJOR COURSES (63 s.h.)	
	Common Core (43 s.h.)	
	CS 01.102 Intro to Programming or CS 01.200 Computing Environments	3
	BIOL 01.203 Biology 3	4
	CHEM 06.100 Chemistry I	4
	CHEM 06.101 Chemistry II	4
	CHEM 07.200 Organic Chemistry I	4
	CHEM 07.201 Organic Chemistry II	4
	CHEM 09.250 Quantitative Analysis	4
	CHEM 08.305 Introduction to Biophysical Chemistry	4
	CHEM 07.348 Biochemistry (with lab)	4
	CHEM 07.408 Advanced Biochemistry	4
	CHEM 05.440 Research I or CHEM 05.435 Co-op	3
	CHEM 05.450 Seminar I	1
	Restricted Electives (20 s.h.)	
	BIOL 22.450 Molecular Genetics or BIOL 22.410 Human Genetics	4
	BIOL 01.430 Cell Biology or BIOL 01.428 Developmental Biology	4
	BIOL 11.330 Microbiology	4
	At least two chemistry courses from the Approved Restricted Electives list.	6-8
	FREE ELECTIVES (13 s.h.)	13
	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)

Courses may be transferred from Community Colleges up to a maximum of 67 hours; all such transfers are counted as lower-level courses.

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

Grades of C or better in all of the following courses: MATH 01.130, MATH 01.131 (or STAT 02.260), CHEM 06.100, CHEM 06.101, CHEM 07.200, CHEM 07.201, BIOL 01.106, BIOL 01.203, PHYS 02.200, PHYS 02.201.

Biochemistry Major Requirements

Credits:

30 credits at Rowan University

Common Core 43 s.h.

Restricted Electives 20 s.h.

Overall Credits:

120 total credits

Maximum Community College transfer credits = 67 credits

Community College credits transfer in as lower-level (100, 200)