

PROGRAM GUIDE FOR B.S. DEGREE IN PHYSICAL SCIENCES/CHEMISTRY

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.)	
	GEOG 06.130 Geology I	4
	MATH 01.130 Calculus I	4
	CS 01.104 Intro to Scientific Programming	3
	HISTORY, HUMANITIES & LANGUAGES (min. 6 s.h.)	
	PHIL 09.368 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 (min 9 s.h.)-see RE Guide	
	One Writing Intensive Course	3
	One Multicultural/Global	3
	Rowan Seminar (RS)	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.)	
	REQUIRED MAJOR COURSES (45-47 s.h.)	
	Common Core	
	PHYS 02.200 Introductory Mechanics	4
	PHYS 01.201 Intro to Electricity and magnetism	4
	PHYS02.210 Intro to Thermo, Fluids, Waves & Optics	4
	MATH 01.131 Calculus II	4
	CHEM 06.100 Chemistry I	4
	CHEM 06.101 Chemistry II	4
	CHEM 07.200 Organic Chemistry I	4
	CHEM 09.250 Quantitative Analysis	4
	PHYS02.300 Modern Physics	4
	An approved course from Astronomy, Atmospheric Science, Geology or Investigations in Physical Geography	3/4
	Approved Career Track course	3/4
	Approved Career Track course	3
	Chemistry Specialization (14-15 s.h.)	
	CHEM 07.201 Organic Chemistry II	4
	CHEM 07.348 Biochemistry	4
	CHEM 08.400 Physical Chemistry I	3
	An approved Chemistry Elective	3/4
	Free Electives (33-34 s.h.)	33-34
	TOTAL	120

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. 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, CHEM 06.100, CHEM 06.101, CHEM 07.200, CHEM 07.201, PHYS 02.200, PHYS 02.201.

Overall Credits:

120 total credits

Maximum Community College transfer credits = 67 credits

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

Revised 7/23/2009