This model is in effect for all students entering the program after 9/1/2009

Name: _____

PROGRAM GUIDE
BACHELOR OF ARTS DEGREE in CHEMISTRY

- 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** ***minimum 6 s.h.***	**6 S.H.**
		COMP01.111	College Composition I (3 s.h.) or	3 s.h.
		COMP01.112	College Composition II *(College Composition I)*	3 s.h.
		Hegis #	**SCIENCE/MATHEMATICS BANK** ***minimum 7 s.h.***	**12 S.H.**
			(choice from Approved Math/Science General Education Courses)	4
			Lab Science (choice from Approved General Education Courses)	4
			(choice from Approved Math/Science General Education Courses)	4
		Hegis #	**SOCIAL & BEHAVORAL SCIENCES BANK** ***minimum 6 s.h.***	**6 S.H.**
			Choice from Approved SBS General Education Courses	3
			Choice from Approved SBS General Education Courses & M/G	3
		Hegis #	**HISTORY/HUMANITIES/LANGUAGE BANK** ***minimum 6 s.h.***	**6 S.H.**
			Choice from Approved General Education Courses	3
			Choice from Approved General Education Courses & WI	3
		Hegis #	**NON-PROGRAM ELECTIVES** ***minimum 6 s.h.***	**6 S.H.**
				3
				3

ROWAN EXPERIENCE REQUIREMENTS (choose from Approved **RE Guide)** **(Can be taken as a Gen Ed OR within the major requirements.)**				
Transfer	**Rowan**	**Hegis #**		
		CMS 04205	Public Speaking *(College Composition I and II)*	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) – *Freshmen Only*	

- 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 Arts Degree in Chemistry

Program Requirements **35 s.h.**

Course #	COURSE NAME	S.H.	*PREREQUISITES*
MATH01.230	Calculus III	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 08.400	Physical Chemistry I	3	
CHEM 09.410	Instrumental Methods	4	
CHEM 06.300 or CHEM 07.348	Advanced Inorganic Chemistry or Biochemistry with Laboratory	4	
CHEM 05.450	Seminar	1	
CHEM 05.440 or CHEM 05.435	Research I or Co-op	3	

Other Requirements (can be used as Gen Ed or Rowan Experience) **.**

	Following courses can be used as a Gen Ed Math/Science		
PHYS 02.200	Physics I with calc	4	
MATH 01.130	Calculus I	4	
PHYS 02.201	Physics II with calc	4	
	Following courses can be used as a Gen Ed HHL & Rowan Experience		
PHIL 09.368	Philosophy of Science—WI	3	*College Composition II*

Free Electives.....39 s.h.

Total Credits in Program.....120 S.H.

NOTE: Courses may be transferred from Community Colleges up to a maximum of 67 hours; all such transfers are counted as lower-level courses (100, 200).

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

BA in Chemistry
Suggested Course Sequence

First Semester	
Chemistry I	4
Calculus I	4
Gen Ed/ Free elective	3
College Composition I	3
	14

Second Semester	
Chemistry II	4
Calculus II	4
Physics I (w/Calc.)	4
College Composition II	3
	15

Third Semester	
Organic Chemistry I	4
Gen Ed/ Free elective	3
Physics II (w/Calc)	4
Public Speaking	3
	14

Fourth Semester	
Organic Chemistry II	4
Quantitative Anal.	4
Gen Ed/ Free elective	3
Gen Ed/ Free elective	3
Gen Ed/ Free elective	3
	17

Fifth Semester	
Physical Chemistry I	3
Gen Ed/ Free elective	3
Biochemistry	4
Gen Ed/ Free elective	3
Gen Ed/ Free elective	3
	16

Sixth Semester	
Gen Ed/ Free elective	3
Gen Ed/ Free elective	3
Restricted Elective	4
Gen Ed/ Free elective	3
Philosophy of Science	3
	16

Seventh Semester	
Seminar I	1
Gen Ed/ Free elective	3
Intro to Research	3
Gen Ed/ Free elective	3
Gen Ed/ Free elective	3
	13

Eighth Semester	
Gen Ed/ Free elective	4
Gen Ed/ Free elective	3
Gen Ed/ Free elective	3
Gen Ed/ Free elective	3
Gen Ed/ Free elective	3
	16