

Liberal Arts and Science: Chemistry Option **CHM.AS**

CODE	COURSE	CREDITS	CODE	COURSE	CREDITS
First Year/First Semester			Second Year/First Semester		
ENG-101	English Composition I	3	CHM-221	Organic Chemistry I	4
CHM-111	Chemistry I - Science	4	BIO-111	Biology I: Science	4
MTH-140	Calculus I	4	MTH-210	Calculus III	4
PHY-201	Physics III	4	Social Science General Education Elective ¹	3
HIS-101	World Civilization I or		HPE....	Health & Exercise Science Elective	1
ENG-271	World Literature I	3			16
		18	Second Semester		
Second Semester			CHM-222	Organic Chemistry II	4
ENG-102	English Composition II	3	BIO-112	Biology II: Science	4
CHM-112	Chemistry II - Science	4-2....	Any 200-level Biology, Chemistry, or	
MTH-150	Calculus II	4		Biotechnology course ²	4
PHY-202	Physics IV	4	Social Science General Education Elective ¹	3
		15			15
			Total Minimum Credits		64

¹ Secondary education majors should take Basic Psychology (PSY-101) for one of the electives

² Check with transferring institution.

PROGRAM DESCRIPTION

This course of study is designed for students who have a strong interest in chemistry and who plan to work toward a major in chemistry or a related field.

PROGRAM GOALS

- To provide students with a foundation in general education
- To ensure transferability of course work to a baccalaureate program in chemistry or science education.

PROGRAM STUDENT LEARNING OUTCOMES

At the end of the program, the graduate will be able to:

1. Use the scientific method to design and perform experiments in the chemistry laboratory.
2. Explain the fundamental concepts of chemistry.
3. Analyze data using mathematical and chemical principles and present in multiple formats.

POST-BACCALAUREATE EMPLOYMENT OPPORTUNITIES

- Chemist
- Laboratory technician
- Physician
- Physical therapist
- Physician's assistant

TRANSFER OPPORTUNITIES:

- Rutgers-Camden University
- Rutgers-New Brunswick University
- Rowan University
- University of the Sciences in Philadelphia

CONTACT PERSON

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