Science

Associate in Science

CIP Code 24.0101

Liberal Arts and Science: Chemistry Option CHM.AS

Course #	Course Name	Credits	Notes
FIRST YEAR/FIRST SEMESTER			
ENG-101	English Composition I	3	Must test into ENG-101 or take all appropriate prerequisites
CHM-111	Chemistry I Science	4	**Prerequisite:** CHM-010, and MTH-124 or MTH-125
MTH-140	Calculus I	4	Must test into MTH-140 or take all appropriate prerequisites
ELECTIVE	Social Science General Education Elective	3	
FIRST YEAR/SECOND SEMESTER			
ENG-102	English Composition II	3	**Prerequisite:** ENG-101
CHM-112	Chemistry II Science	4	**Prerequisite:** CHM-111
MTH-150	Calculus II	4	**Prerequisites:** MTH-140
ELECTIVE	Mathematics General Education Elective		Must test into College level Math or take all appropriate prerequisites
or ELECTIVE	Laboratory Science General Education Elective	4	
SECOND YEAR/FIRST SEMESTER			
CHM-221	Organic Chemistry I	4	**Prerequisite:** CHM-112
PHY-201	Physics III	4	**Prerequisites:** MTH-140
MTH-210	Calculus III	4	**Prerequisite:** MTH-150
ELECTIVE	Humanities General Education Elective	3	
HPE...	Health & Exercise Science Elective	1	
SECOND YEAR/SECOND SEMESTER			
CHM-222	Organic Chemistry II	4	**Prerequisite:** CHM-221
PHY-202	Physics IV	4	**Prerequisite:** PHY-201
ELECTIVE	Mathematics General Education Elective		
or ELECTIVE	Laboratory Science General Education Elective	4	
ELECTIVE	Diversity Social Science General Education Elective		
or ELECTIVE	Diversity Humanities General Education Elective	3	
	TOTAL CREDITS	**60**	

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 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.

CONTACT PERSON

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