

MATHEMATICS/SCIENCE: CHEMISTRY OPTION

This curriculum is highly sequential. Therefore, in order to meet prerequisites please take courses in the suggested sequence.

Naugatuck Valley Community College

Office of Academic Affairs

PROGRAM OF STUDY SHEET

STUDENT NAME: _____ ID @ _____ DATE: _____

ADVISOR: _____ TRANSFER PLANS: _____

SECTION A: GENERAL EDUCATION REQUIREMENTS†

<u>RECOMMENDED SEMESTER</u>	<u>COMPETENCY</u>	<u>COURSE NUMBER/TITLE</u>	<u>CREDITS</u>	<u>GRADE</u>
	Aesthetic Dimensions/Written Communications	Any Aesthetic Dimensions course	3	
	Continuing Learning/Information Literacy/Ethics	Any Cont Learn/Info Lit course	3	
	Historical Knowledge	Any Historical Knowledge course	3	
	Oral Communication	Any Oral Communication course	3	
1	Quantitative Reasoning	MAT*H172 College Algebra	3	
1	Scientific Knowledge	CHE*H121 General Chemistry I	4	
2	Scientific Reasoning	CHE*H122 General Chemistry II	4	
	Social Phenomena	Any Social Phenomena course	3	
1	Written Communication/Critical Analysis/Logical Think	ENG*H101 Composition	3	
2	Written Communication	ENG*H102, ENG*H200 or ENG*H202	3	

SECTION B: PROGRAM REQUIREMENTS

<u>RECOMMENDED SEMESTER</u>	<u>COURSE</u>	<u>TITLE</u>	<u>CREDITS</u>	<u>GRADE</u>
2	MAT*H185	Trigonometric Functions	3	
3	MAT*H254	Calculus I	4	
3	CHE*H211	Organic Chemistry I††	4	
3	Choose from:	PHY*H121 General Physics I OR PHY*H221 Calculus-Based Physics I†††	4	
4	MAT*H256	Calculus II	4	
4	CHE*H212	Organic Chemistry II††	4	
4	Choose from:	PHY*H122 General Physics II OR PHY*H222 Calculus-Based Physics II†††	4	
		General Elective (Any credit-bearing course)	1-3	

TOTAL CREDITS REQUIRED NOT FEWER THAN: 60-62

ADDITIONAL COMMENTS: _____

STUDENT SIGNATURE _____ DATE: _____

ADVISOR SIGNATURE _____ E-MAIL: _____@nv.edu PHONE: (203) _____

† See <http://www.nv.edu/Academics/General-Education/Approved-Courses> for listing of General Education courses.

†† Not currently offered at NVCC. Offered at Tunxis CC, Gateway CC, WCSU and CCSU.

††† PHY*H221 and H222 Calculus-Based Physics must be taken for the American Chemical Society approved Bachelor's degree.

Naugatuck Valley Community College Division of Science, Technology, Engineering & Mathematics
Mathematics/Science: Chemistry Option Associate of Art Degree

Student Name:

Student ID#: @

FIRST SEMESTER

Course	Credits	Pre-requisites	Enrolled	Grade
ENG*H101 Composition	3	≥C in ENG*H063 or H096		
MAT*H172 College Algebra	3	≥C in MAT*H136 or H137		
CHE*H121 General Chemistry I	4	MAT*H172 (co-req)		
Any Continuing Learning/Information Literacy course	3	Dependent on course		
General Elective (Any credit-bearing course)	1-3	Dependent on course		
Total	14-16			

SECOND SEMESTER

Course	Credits	Pre-requisites	Enrolled	Grade
ENG*H102 <i>or</i> ENG*H200 <i>or</i> ENG*H202	3	≥C in ENG*H101		
MAT*H185 Trigonometric Functions	3	≥C in MAT*H172		
CHE*H122 General Chemistry II	4	≥C in CHE*H121		
Any Social Phenomena course	3	Dependent on course		
Any Oral Communication course	3	Dependent on course		
Total	16			

THIRD SEMESTER

Course	Credits	Pre-requisites	Enrolled	Grade
MAT*H254 Calculus I	4	≥C in MAT*H185		
CHE*H211 Organic Chemistry I [†]	4	≥C in CHE*H122		
PHY*H121 <i>or</i> PHY*H221 ^{††}	4	Dependent on course		
Any Aesthetic Dimensions course	3	Dependent on course		
Total	15			

FOURTH SEMESTER

Course	Credits	Pre-requisites	Enrolled	Grade
MAT*H256 Calculus II	4	≥C in MAT*H254		
CHE*H212 Organic Chemistry II [†]	4	Dependent on course		
PHY*H122 <i>or</i> PHY*H222 ^{††}	4	Dependent on course		
Any Historical Knowledge and Understanding course	3	Dependent on course		
Total	15			
Program Total	60-62			

[†]Not currently offered at NVCC; Tunxis, Gateway, WCSU and CCSU offer the courses.

^{††}PHY*H221 and H222 Calculus-based Physics must be taken for the American Chemical Society approved Bachelor's degree.