

MILLERSVILLE UNIVERSITY

Student Name:

Student I.D. #:

DEGREE: BSE

MAJOR: CHEM

OPTION:

**MAJOR REQUIREMENTS FOR A BSE
DEGREE IN
CHEMISTRY**

Total credit hours required: 126 minimum

REQUIREMENTS AND POLICIES FOR THE BSE CHEMISTRY MAJOR

MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: **BSE CHEMISTRY**
 Option:
 Major Field Requirements: **41.0 Credits**
 Other Requirements: **55.0 Credits**

When applicable, up to six of the **REQUIRED RELATED** courses may be credited toward the Liberal Arts Core subject to normal distribution rules.

Course	No.	Short Title	C.H.	Grade	Course	No.	Short Title	C.H.	Grade
REQUIRED CHEMISTRY COURSES (41.0 Credits)					REQUIRED RELATED (22.0 credits)				
					Mathematics (12.0 credits)				
CHEM	111	Intro Chemistry I	4.0		MATH	161	Calculus I	4.0	
CHEM	112	Intro Chemistry II	4.0		MATH	211	Calculus II	4.0	
CHEM	188	Freshman Seminar	1.0						

**BACHELOR OF SECONDARY EDUCATION IN CHEMISTRY
RECOMMENDED PROGRAM**

FIRST SEMESTER				SECOND SEMESTER			
CHEM	111	Introductory Chem I	4.0	CHEM	112	Introductory Chem II	4.0
CHEM	188	Freshman Seminar	1.0	CHEM	251	Inorganic Chem I	3.0
MATH	161	Calculus I	4.0	MATH	211	Calculus II	4.0
ENGL	110	English Composition	3.0	COMM	100	Fund. Of Speech	3.0
WELL	175	Wellness	<u>3.0</u>	—————	—————	Humanities Course #1****	<u>3.0</u>
		<i>TOTAL S.H.</i>	15.0			<i>TOTAL S.H.</i>	17.0
THIRD SEMESTER				FOURTH SEMESTER*			
CHEM	231	Organic Chem. I	4.0	CHEM	232	Organic Chem. II*	4.0
MATH	311	Calculus III	4.0	CHEM	265	Quant.	