PURDUE UNIVERSITY

Chemistry Education
College of Science

CHEM-BS-Teaching
CHED
120 Credits
2.5 GPA in content courses and 2.0 GPA overall

Departmental/Program Major Courses (116-123 credits)

Required Major Courses (94 credits)

_____	(5)CHM12500	Introduction to Chemistry I*(satisfies Science Selective for core)*
_____	(5)CHM12600	Introduction to Chemistry II
_____	(3)CHM26505	Organic Chemistry
_____	(1)CHM26500 or 26300	Organic Chemistry Lab
_____	(3)CHM26605	Organic Chemistry
_____	(1)CHM26600 or 26400	Organic Chemistry Lab
_____	(4)CHM32100	Analytical Chemistry I
_____	(4)CHM24100	Intro to Inorganic Chemistry
_____	(3)CHM34200	Inorganic Chemistry
_____	(3)CHM37300	Physical Chemistry
_____	(3)CHM37400	Physical Chemistry
_____	(1)CHM37301	Physical Chemistry Lab
_____	(1)CHM37401	Physical Chemistry Lab
_____	(1)CHM 19400	Freshman Chemistry Seminar
_____	(1)CHM29400	Sophomore Chemistry Seminar
_____	(3)EDCI20500	Exploring Education
_____	(3)EDCI28500	Multicultural Education *(satisfies Human Cultures Humanities for core)*
_____	(3)EDCI 27000	Intro to Educational Technology*(satisfies Information Literacy Selective for core)*
_____	(3)EDST20000	History and Philosophy of Education *(satisfies Human Cultures Humanities for core)*
_____	(3)EDPS23500	Learning and Motivation *(satisfies Behavioral Social Sciences for core)*
_____	(3)EDPS26500	Inclusive Classroom *(satisfies Human Cultures Humanities for core)*
_____	(2)EDCI42800	Teaching Chemistry in Secondary School
_____	(3)EDCI30900	Reading in Middle and Secondary School
	(10)EDCI49800	Supervised Teaching
_____	(5) MA 16100	Plane Analytical Geometry Calculus I (*satisfies Quantitative Reasoning for core)*
_____	(5)MA16200	Plane Analytical Geometry Calculus II
_____	(4)MA 26100	Multivariate Calculus
_____	(4)PHYS 17200	Modern Mechanics (*satisfies Science Selective for core)*
_____	(4)PHYS 27200	Electricity and Magnetism (*satisfies Science Selective for core)*

Other Departmental /Program Course Requirements (22-29 credits)

_____		
_____	(4)ENGL10600	*(satisfies Written Communication for core) (satisfies Information Literacy Selective for core)*
_____	(3)COM21700	*(satisfies Oral Communication for core)*
_____	(0-3)Language1	Selective LINK
_____	(0-3)Language2	Selective LINK
_____	(3)GeneralEd1	Selective (*select courses could satisfy Human Cultures Humanities for core)* LINK
_____	(3)GeneralEd2	Selective *(select courses could satisfy Human Cultures Humanities for core)* LINK
_____	(3)Great Issues	Selective LINK
_____	(3)STAT30100or35000	*(satisfies Information Literacy Selective for core)*
_____	(3-4)CS158 or CS177	*Computing*

University Core Requirements

Human Cultures Humanities	☐ _____	*Science, Technology & Society Selective*	☐ _____
Human Cultures Behavioral/Social Science	☐ _____	*Written Communication*	☐ _____
Information Literacy	☐ _____	*Oral Communication*	☐ _____
Science Selective	☐ _____	*Quantitative Reasoning*	☐ _____
Science Selective	☐ _____		

****

The student is ultimately responsible for knowing and completing all degree requirements.

Degree Works is knowledge source for specific requirements and completion

****

Chemistry Education

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite
5	CHM 12500*	
5	MA 16100*	ALEKS 85
4	ENGL 10600*	
1	CHM 19400	
3	EDCI 27000**	
18		

Credits	Spring 1st Year	Prerequisite
5	CHM 12600	CHM 12500
5	MA 16200	MA 16100
3	COM 21700**	
3	PHYS 17200	
16		

Credits	Fall 2nd Year	Prerequisite
3	CHM 26505	CHM 12600
1	CHM 26300	CHM 12600
4	MA 26100	MA 16200
3	EDCI 20500	MA 16100
3	EDCI 28500**	
1	CHM 29400	
15		

Credits	Spring 2nd Year	Prerequisite
3	CHM 26605	CHM 26505
1	CHM 26400	CHM 26500
4	CHM 24100	CHM12600
3	PHYS 27200	PHYS 17200
3	EDST 2000*	
3	General Education	
17		

Credits	Fall 3rd Year	Prerequisite
3	CHM 37300	PHYS27200
1	CHM 37301	
3	STAT 30100*	
3	EDPS 23500	
3	EDPS 26500	
3	Language 10100	
16		

Credits	Spring 3rd Year	Prerequisite
3	CHM 34200	CHM 12600
3	CHM 37400	CHM37301
1	CHM 37401	CHM37300
3	General Education	
3	Language10200	Lang10100
3	Science Tech Society Selective**	
16		

Credits	Fall 4th Year	Prerequisite
4	CHM 32100	CHM12600
3	CHM 33300	CHM 26505
3	EDCI 42400	EDPS23500
3 or 4	CS 17700 or CS 15800	
3	Great Issues	Jr/Sr class
17		

Credits	Spring 4th Year	Prerequisite
2	EDCI 42800	EDCI 42400
3	EDCI 30900	
10	EDCI 49800	
15		

*Satisfies a University Core Requirement
**Satisfies a Non-departmental Major Course Requirement

Students must earn a "C-" or better in all required university core courses.
Students must earn a CHM content GPA of 2.5.
Students must have 32 credits at the 30000 level or above taken at Purdue.
120 semester credits required for Bachelor of Science degree.
2.0 Graduation GPA required for Bachelor of Science degree.

****

The student is ultimately responsible for knowing and completing all degree requirements.

Degree Works is knowledge source for specific requirements and completion

****