PURDUE UNIVERSITY

Biochemistry (ACS)
College of Science

CHEM-BSCHM
BICH
124 Credits
2.0 GPA in CHM courses and 2.0 GPA overall

Departmental/Program Major Courses (107-120 credits)

Required Major Courses (82 credits)

_____	(5)CHM12500	Introduction to Chemistry I*(satisfies Science Selective for core)*
_____	(5)CHM12600	Introduction to Chemistry II
_____	(3)CHM26505	Organic Chemistry
_____	(2)CHM26500	Organic Chemistry Lab
_____	(3)CHM26605	Organic Chemistry
_____	(2)CHM26600	Organic Chemistry Lab
_____	(4)CHM32100	Analytical Chemistry I
_____	(4)CHM24100	Intro to Inorganic Chemistry
_____	(3)CHM34200	Inorganic Chemistry
_____	(3)CHM 37300	Physical Chemistry
_____	(3)CHM37400	Physical Chemistry
_____	(1)CHM37301	Physical Chemistry Lab
_____	(2)CHM37401	Physical Chemistry Lab
_____	(5)BIOL 231/232	Cell Structure and Function/Lab
_____	(5)BIOL 241/242	Genetics and Molecular Biology/Lab
_____	(3)CHM 53300	Intro to Biochemistry
_____	(3)CHM 53800	Molecular Biotechnology
_____	(6)CHM 49900	Undergraduate research related to Biochemistry
_____	(1)CHM19400	Freshman Chemistry Seminar
_____	(1)CHM 29400	Sophomore Chemistry Seminar
_____	(1)CHM49400	Junior/Senior Chemistry Seminar
_____	(5)MA16100	Plane Analytical Geometry Calculus I (satisfies *Quantitative Reasoning Selective* 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 (25-38 credits)

_____	(4)ENGL10600	*(satisfies Written Communication for core) (satisfies Information Literacy Selective for core)*
_____	(0-3)COM21700	*(satisfies Oral Communication for core)*
_____	(0-3)Language1	Selective LINK
_____	(0-3)Language2	Selective LINK
_____	(0-3)Language_Culture3	Selective (*select courses could satisfy Human Cultures Humanities for core.)* *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)GeneralEd3	Selective (*select courses could satisfy Human Culture Behavioral/Social Science for core*)
_____	(3)Great Issues	Selective LINK
_____	(3)Multidisciplinary	Selective (*can be satisfied with a minor)*
_____	(3)STAT30100or35000	*(satisfies Information Literacy Selective for core)*
_____	(3-4)CS158 or CS177	*Computing*

Electives (0-8 credits)

_____ ( ) _____ ____ ( ) _____ ____ ( ) _____ ____ ( ) _____

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	☐ _____		

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

Degree Works is knowledge source for specific requirements and completion

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Revised 5/2013 (effective Fall 2013)

Biochemistry (ACS)

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
5	CHM 12500*		5	CHM 12600	CHM 12500
5	MA 16100	ALEKS 85	5	MA 16200	MA 16100
4	ENGL 10600*		3	Language II**	Lang 10100
1	CHM 19400		3	STS Elective*/Multidisciplinary	
3	Language I**				
18			**16**		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	CHM 26505	CHM 12600	3	CHM 26605	CHM 26505
2	CHM 26500	CHM 12600	2	CHM 26600	CHM 26500
4	MA 26100	MA 16200	4	PHYS 27200	PHYS 17200
4	PHYS 17200	MA 16100	3	General Education**	
1	CHM 29400		3	Language and Culture**	
14			15		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
5	BIOL 23100/23200	CHM 26505	5	BIOL 24100/24200	BIOL 231/232
3	CHM 53300	CHM 26505	3	CHM 53800	CHM 53300
2	CHM 49900	Inst. Permission	2	CHM 49900	Inst Permission
3 or 4	CS 17700 or 15800**		4	CHM 24100	CHM 12600
3	General Education			**	
16 or 17			**14**		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	CHM 37300	PHYS 27200	3	CHM 37400	CHM 37300
1	CHM 37301		1	CHM 37401	CHM 37301
4	CHM 32100	CHM 126	3	CHM 34200	CHM 12600
3	General Education**		1	CHM 49400	
3	STAT 30100**		3	Great Issues**	Jr/Sr class
2	CHM 49900	Inst Permission			
16			**13**		

*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 cumulative GPA of 2.0 in all CHM courses.
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.

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