

Name: _____ PUID: _____ Date: _____

Required Major Courses (25 credits)

- _____ (2) BCHM 10000 Intro to Biochemistry (satisfied STS for Core)
- _____ (3) BCHM 22100 Analytical Biochemistry
- _____ (2) BCHM 29000 Experimental Design Seminar
- _____ (3) BCHM 36100 Molecules
- _____ (2) BCHM 32200 Analytical Biochemistry II
- _____ (1) BCHM 39000 Professional Development Seminar
- _____ (3) BCHM 46200 Metabolism
- _____ (3) BCHM 46300 Macromolecular Machines
- _____ (2) BCHM 46500 Biochemistry of Life Processes
- _____ (3) BCHM 49800 Research in Biochemistry
- _____ (1) BCHM 49000 Undergraduate Seminar

Other Departmental/ Program Course Requirements (90-92 credits)

- _____ (0.5) AGR 10100 Introduction to the College of Agriculture and Purdue University
- _____ (0.5) AGR 11500 Introduction to Biochemistry Academic Programs
- _____ (3) AGRY 32000 or BIOL 24100 Genetics
- _____ (1 or 2) AGRY 32100 or BIOL 24200 Genetics Laboratory
- _____ (3) ANSC 22100^{cc} Principles of Animal Nutrition
- _____ (4) BIOL 11000 Fundamentals of Biology I or (BIOL 12100 and BIOL 13500) Biology I: Diversity, Ecology, and Behavior and First Year Biology Lab
- _____ (3 or 4) BIOL 11100 Fundamentals of Biology II or BIOL 13100 Biology II
- _____ (4) BIOL 22100 Introduction to Microbiology
- _____ (3) BIOL 23100 Biology III: Cell Structure and Function
- _____ (2) BIOL 23200 Laboratory in Biology IV Cell Structure and Function
- _____ (4) CHM 11500 General Chemistry (satisfies Science #1 for core)
- _____ (4) CHM 11600 General Chemistry (satisfies Science #2 for core)
- _____ (3) CHM 25500 Organic Chemistry
- _____ (1) CHM 25501 Organic Chemistry Laboratory
- _____ (3) CHM 25600 Organic Chemistry
- _____ (1) CHM 25601 Organic Chemistry Laboratory
- _____ (4) CHM 37200 Physical Chemistry
- _____ (3) MA 16010 Applied Calculus I (satisfies Quantitative Reasoning for core)
- _____ (3) MA 16020 Applied Calculus II
- _____ (4) PHYS 22000 General Physics
- _____ (4) PHYS 22100 General Physics
- _____ (3) STAT 30100 Elementary Statistical Methods (satisfies Information Literacy for core)
- _____ (1) VM 10200 Careers in Veterinary Medicine
- _____ (3) Economics Selective (satisfies Human Culture Behavioral/Social Science for core)³
- _____ (3) UCC Humanities Selective (satisfies Human Cultures Humanities for core)¹
- _____ (3) Humanities or Social Science Selective²
- _____ (3) Humanities or Social Science Selective²
- _____ (3) Humanities or Social Science Selective²
- _____ (3) Humanities or Social Science Selective (30000+ level)²
- _____ (4) ENGL 10600 First-Year Composition (satisfies Written Communication for core) (satisfies Information Literacy Selective for core)
- _____ (3) COM 11400 Fundamentals of Speech Communication (satisfies Oral Communication for core)
Or COM 21700 Science Writing and Presentation
- _____ (3) Written or Oral Communications Selective⁴

Electives (5 credits)

- _____ (5) Elective

University Core Requirements (<http://www.purdue.edu/provost/initiatives/curriculum/course.html>)

Human Cultures Humanities	<input type="checkbox"/>	_____	Science, Technology & Society Selective	<input type="checkbox"/>	_____
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	_____	Written Communication	<input type="checkbox"/>	_____
Information Literacy	<input type="checkbox"/>	_____	Oral Communication	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____	Quantitative Reasoning	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____			

College of Agriculture & University Level Requirements (https://ag.purdue.edu/oap/Pages/core_requirements.aspx)

3 credits Multicultural Awareness	<input type="checkbox"/>	_____			
9 credits International Understanding	<input type="checkbox"/>	_____	<input type="checkbox"/>	_____	<input type="checkbox"/>
9 credits of Hum. And/or Social Sciences outside the College of Agriculture	<input type="checkbox"/>	_____	<input type="checkbox"/>	_____	<input type="checkbox"/>
3 credits of Hum. And/or Social Science at 30000 or higher	<input type="checkbox"/>	_____			

Biochemistry: Prevetinary Medicine

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
0.5	AGR 10100 Introduction to the College of Agriculture and Purdue University		3 or 4	BIOL 11100 Fundamentals of Biology II Or BIOL 13100 Biology II	BIOL 11000
0.5	AGR 11500 Introduction to Biochemistry Academic Programs		4	CHM 11600 General Chemistry	CHM 11500
2	BCHM 10000 Intro to Biochemistry		4	ENGL 10600 First-Year Composition	
4	BIOL 11000 Fundamentals of Biology I Or (BIOL 12100 and BIOL 13500) Biology I		3	MA 16020 Applied Calculus II	MA 16010
4	CHM 11500 General Chemistry		2	Elective	
3	MA 16010 Applied Calculus I	ALEKS 75+			
14			16		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	BCHM 22100 Analytical Biochemistry	CHM 11600	3	AGRY 32000 or BIOL 24100 Genetics	BIOL 11100
3	BIOL 23100 Biology III: Cell structure and function	BIOL 11100 & CHM 11600	1 or 2	AGRY 32100 or BIOL 24200 Genetics Laboratory	
2	BIOL 23200 Laboratory in Biology III: Cell structure and function		2	BCHM 29000 Experimental Design Seminar	
3	CHM 25500 Organic Chemistry	CHM 11200	3	BCHM 36100 Molecules	CHM 25500, (BIOL 11000/12100)
1	CHM 25501 Organic Chemistry Laboratory		3	CHM 25600 Organic Chemistry	CHM 25500
3	STAT 30100 Elementary Statistical Methods		1	CHM 25601 Organic Chemistry Laboratory	
			3	COM 11400 Fundamentals of Speech or COM 21700 Science Writing and Presentation	
15			15/16		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
2	BCHM 32200 Analytical Biochemistry II	BCHM 22100	3	ANSC 22100 ^{CC} Animal Nutrition	CHM 11500
1	BCHM 39000 Professional Development Seminar		1	BCHM 49800 Research in Biochemistry	BCHM 36100
3	BCHM 46200 Metabolism	BCHM 36100	4	PHYS 22100 General Physics	PHYS 22000
1	BCHM 49800 Research in Biochemistry	BCHM 36100	1	VM 10200 Careers in Veterinary Medicine	
4	PHYS 22000 General Physics		3	Humanities or Social Science Selective	
3	UCC Humanities Selective		3	Elective	
14			15		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	BCHM 46300 Macromolecular Machines	BCHM 46200	2	BCHM 46500 Biochemistry of Life Processes	BCHM 46300
1	BCHM 49800 Research in Biochemistry	BCHM 36100	1	BCHM 49000 Undergraduate seminar	BCHM 49800
4	BIOL 22100 Introduction to Microbiology	CHM 11600	4	CHM 37200 Physical Chemistry	MA 16010, 16020
3	Economics Selective		3	Humanities or Social Science Selective	
3	Humanities or Social Science Selective		3	Humanities or Social Science Selective (30000+ level)	
			3	Written or Oral Communication Selective	
14			16		

- 1) 120 credits listed above are required for Bachelor of Science degree.
- 2) 2.0 Graduation GPA required for Bachelor of Science degree.
- 3) 32 credits of upper division courses (30000 level or higher) must be taken at Purdue University, West Lafayette.
- 4) ANY COURSE TAKEN AT PURDUE CAN BE ATTEMPTED NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF, I AND IF).
- 5) CC = is considered a critical course

See next page for all supplemental Information

The student is ultimately responsible for knowing and completing all degree requirements.
myPurdue Plan is knowledge source for specific requirements and completion

BCHM/PRMD Supplemental Information

All prerequisites must be met

¹University Core Curriculum Humanities Selective (3 credits)

See approved Humanities list at: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

²Humanities and Social Science Selective (9 credits)

See approved list at: https://ag.purdue.edu/oap/pages/core-social_humanities.aspx

³Economics Selective (3 credits)

AGEC 20300 Introductory Microeconomics for Food and Agribusiness	AGEC 21700 Economics	ECON 25100 Microeconomics
AGEC 20400 Introduction to Resource Economics and Environmental Policy	ECON 21000 Principles of Economics	ECON 25200 Macroeconomics

⁴Written or Oral Communication Selective (minimum 3 credits)

AGR 20100 Communication Across Culture	COM 20000-59900	YDAE 44000 Methods of Teaching Agriculture Education
ASL 10000-59900	ENGL 20000-59900	

⁵Humanities and Social Science Selective (9 credits)

See approved list at: https://ag.purdue.edu/oap/pages/core-social_humanities.aspx

⁶Economics Selective (3 credits)

AGEC 20300 Introductory Microeconomics for Food and Agribusiness	AGEC 21700 Economics	ECON 25100 Microeconomics
AGEC 20400 Introduction to Resource Economics and Environmental Policy	ECON 21000 Principles of Economics	ECON 25200 Macroeconomics