

APPENDIX B: PLANS OF STUDY

Transfer to Purdue University – Biochemistry

Biochemistry Major: Concentrations in Biochemistry, Pre-Med, Pre-Vet

Vincennes University

Chemical Sciences – Chemistry and Biochemistry Concentration 4072, A.S. Transfer

https://catalog.vinu.edu/preview_program.php?catoid=50&poid=29731&returnto=3738

Semester I

CHEM 105 - General Chemistry I 3 hrs

CHEM 105L - General Chemistry/Quantitative Analysis Laboratory 2 hrs

CHM 11500 4 cr + 1XTRA 1 cr

CHEM 131 - Chemistry Explorations 1 hr

CHEM 131 = CHM 1XXXX 1 cr

Approved for AGR 10100 & 11500 1 cr

COMM 148 - Interpersonal Communication 3 hrs

COM 21200 3 cr

ENGL 101 - English Composition I 3 hrs

ENGL 1XUWC 3 cr

MATH 118 - Calculus with Analytic Geometry I 5 hrs (M)

MATH 115 = MA 16010 3 cr (Recommended instead of MATH 118)

Total Hours: 17

Semester II

CHEM 106 - General Chemistry II 3 hrs

CHEM 106L - General Chemistry/Qualitative Analysis Laboratory 2 hrs (WR)

CHM 11600 4 cr + 1XTRA 1 cr

MATH 119 - Calculus with Analytic Geometry II 5 hrs

MATH 116 = MA 16020 3 cr (Recommended instead of MATH 119)

PHYS 205 - Physics for Scientists and Engineers I 3 hrs

PHYS 205L - Physics for Scientists and Engineers I Lab 2 hrs

PHYS 215/215L = PHYS 22000 4 cr (Recommended instead of PHYS 205/205L)

Total Hours: 15

Semester III

CHEM 315 - Organic Chemistry I 3 hrs

CHEM 315L - Organic Chemistry Laboratory I 2 hrs (WR/S)

CHM 25500 3 cr + 25501 1 cr + 3XTRA 1 cr

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ENGL 102 - English Composition II 3 hrs

ENGL 1XILW 3 cr

PHYS 206 - Physics for Scientists and Engineers II 4 hrs

PHYS 206L - Laboratory for Physics for Scientists and Engineers II 1 hr

PHYS 216/216L = PHYS 22100 4 cr (Recommended instead of PHYS 206/206L)

Total Hours: 13

Semester IV

CHEM 316 - Organic Chemistry II 3 hrs

CHEM 316L - Organic Chemistry Laboratory II 2 hrs

CHM 25600 3 cr + 25601 1 cr + 3XTRA 1 cr

MATH 220 - Intermediate Calculus 4 hrs -or- Directed Science Elective 4 hrs

AGRI 208 (Recommended)

AGRI 208 = AGRY 32000 3 cr & 32100 1 cr

PHIL 212 - Introduction to Ethics 3 hrs

PHIL 11100 3 cr

Social Science Elective 3 hrs

AGRI 101, ECON 100, 201, or 202 = AGECE 20300, ECON 21000, 25100, or 25200 (Recommended)

Total Hours: 15

Total Hours = 60

Additional Courses Required (to complete VU degree and for transfer to Biochemistry at Purdue):

COMM 143 = COM 11400 3 cr

MATH 110 = STAT 30100 3 cr

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Transfer to Purdue University – [Biochemistry Major](#)

Biochemistry

https://catalog.purdue.edu/preview_program.php?catoid=17&pooid=29692&returnto=22203

RECOMMENDED PLAN OF STUDY									
Biochemistry Contact:									
Heidi Fornes, hfornes@purdue.edu, biochem-boilers@purdue.edu									
Courses to be Taken at Purdue									
BIOCHEMISTRY									
Summer Semester		Cr. Hrs.							
Total									
Semester 1		Cr. Hrs.		Semester 2		Cr. Hrs.			
BIOL 110		4		BIOL 111		4			
BCHM 221		3		BCHM 361		3			
BCHM 390		1		BCHM 290		2			
STS course		3		BCHM 322		2			
Intl Und/Hum/300+ level		3		Intl Und/Hum/300+		3			
				BCHM 498		1			
Total		14		Total		15			
Semester 3		Cr. Hrs.		Semester 4		Cr. Hrs.			
BIOL 231		3		BCHM 465		2			
BIOL 232		2		BCHM 490		1			
BCHM 462		3		Adv BCHM Sel		3			
BINF Selective		3		Science Selective		3			
Science Selective		4		Intl Und/Hum/300+		3			
BCHM 498		1		Multi Cultural/Hum/300+		3			
				BCHM 498		1			
Total		16		Total		16			
Summer Semester		Cr. Hrs.							
Total									
Notes:									
Purdue requires 32 credit hours at Purdue taken at the 300 level or higher.									
120 total credits required.									

APPENDIX B: PLANS OF STUDY

Pre-Med Concentration

https://catalog.purdue.edu/preview_program.php?catoid=17&poid=29690&returnto=22203

RECOMMENDED PLAN OF STUDY	
Biochemistry Contact:	
Heidi Fornes, hfornes@purdue.edu, biochem-boilers@purdue.edu	
Courses to be Taken at Purdue	
PRE-MED	
Summer Semester	Cr. Hrs.
Total	
Semester 1	Cr. Hrs.
BIOL 110	4
BCHM 221	3
BCHM 390	1
STS course/300+	3
Intl Und/Hum/300+ level	3
PSY 120	3
Total	17
Semester 2	Cr. Hrs.
BIOL 111	4
BCHM 361	3
BCHM 290	2
BCHM 322	2
Intl Und/Hum/300+	3
BCHM 498	1
Total	15
Semester 3	Cr. Hrs.
BIOL 231	3
BIOL 232	2
BCHM 462	3
BINF Selective	3
BIOL 203	4
BCHM 498	1
Total	16
Semester 4	Cr. Hrs.
BCHM 465	2
BCHM 490	1
Adv BCHM Sel	3
BIOL 204	4
Intl Und/Hum/300+	3
SOC 220	3
BCHM 498	1
Total	17
Summer Semester	Cr. Hrs.
Total	
Notes:	
Purdue requires 32 credit hours at Purdue taken at the 300 level or higher.	
120 total credits required.	

APPENDIX B: PLANS OF STUDY

Pre-Vet Concentration

https://catalog.purdue.edu/preview_program.php?catoid=17&poid=29691&returnto=22203

RECOMMENDED PLAN OF STUDY	
Biochemistry Contact:	
Heidi Fornes, hfornes@purdue.edu, biochem-boilers@purdue.edu	
Courses to be Taken at Purdue	
PRE-VET	
Summer Semester	Cr. Hrs.
Total	
Semester 1	Cr. Hrs.
BIOL 110	4
BCHM 221	3
BCHM 390	1
STS course	3
Intl Und/Hum/300+ level	3
Total	14
Semester 2	Cr. Hrs.
BIOL 111	4
BCHM 361	3
BCHM 290	2
BCHM 322	2
Intl Und/Hum/300+	3
BCHM 498	1
Total	15
Semester 3	Cr. Hrs.
BIOL 231	3
BIOL 232	2
BCHM 462	3
BINF Selective	3
ANSC 230/ANSC 221	3
BCHM 498	1
Total	15
Semester 4	Cr. Hrs.
BCHM 465	2
BCHM 490	1
Adv BCHM Sel	3
BIOL 221	4
Intl Und/Hum/300+	3
Multi Cultural/Hum/300+	3
BCHM 498	1
Total	17
Summer Semester	Cr. Hrs.
Total	
Notes:	
Purdue requires 32 credit hours at Purdue taken at the 300 level or higher.	
120 total credits required.	