

Courses for B.S. in Biochemistry and Four-Year Plans

CHEMISTRY	Course #	Credit Hours	Semester Offered	
Gen Chem	105/117	4	Fall	
Orgo I	224/226	4	Spring	
Orgo II	225/227	4	Fall	
Int. Inorganic Chem	246/248	4	Spring	
Computers in Chem	210	2	Fall	
Analytical	303	3	Fall	
Analytical Lab	304	2	Spring	
PChem I Thermo	321	3	Spring	Must take before CHEM 325
PChem Lab	325	1	Fall	
Biochem I	341	3	Fall	
Biochem II	342	3	Spring	
Biochem Lab	344	1	Fall	Take with CHEM 341
Chemistry Seminar	401	1	Spring	
Recent Advances in Biochemistry	411	1	Spring	
One of Internship/Research/Ind Study	399, 450, 451	1	As Needed	
Capstone	470	1	Fall	
Total		38		
BIOLOGY				
Plant Bio	103	4	Fall	
Animal Bio	104	4	Spring	
Genetics	221	3	Fall	
Molecular Cell/Physiology	343 or 365	3 or 4	343 Spring 265 Fall	
MATHMATICS				
Calc I	135	4	Fall/Spring	
Calc II	205	4	Spring/Fall	
PHYSICS				
Gen Physics I	205/209	4	Fall	
Gen Physics II	206/210	4	Spring	
Total		30-31		

Sophomore-level writing intensive course must be taken as one of the Electives

Proposed Schedule for Biochemistry CHEM and Cognate Courses

	Fall			Spring	
	<u>Course</u>	<u>Credits</u>	<u># of Labs</u>	<u>Course</u>	<u>Credits</u>
Freshman Year	CHEM105/117	4	2	CHEM 224/226	4
	BIOL103	4		BIOL104	4
	MATH 115	4		MATH135	4
	CORE101	3		CORE102	3
				ESAT 100	2
		<hr/>			<hr/>
		15			17
Sophomore Year	CHEM225/227	4	2	CHEM246/248	4
	BIOL221	3		BIOL343	3
	MATH205	4		Non-western	3
	PHYS205/209	4		PYHS206/210	4
	CHEM210	2		Elect (Writing)	3
		<hr/>			<hr/>
		17			17
Junior Year	CHEM341	3	1	CHEM 342	3
	CHEM303	3		CHEM304	2
	CHEM344	1		CHEM321	3
	Humanities	3		CHEM401	1
	MLC	4		Elect	3
				MLC	4
		<hr/>			<hr/>
		14			16
Senior Year	CHEM325	1	3	CHEM411	1
	CHEM450	1		CHEM450	1
	CHEM470	1		Elect	3
	Rel & Phil	3		Arts	3
	Elect	3		Soc Sci	3
	Elect	3		Elect	3
	Elect	3			
		<hr/>			<hr/>
		15			14

	Elect
Core	Distrib
Cognate	Basic Skills

Total Credits	125
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All Blue, Green, or Pink course are interchangeable in sched

* Major and cognates includes 24 hrs at 300+ level, additional 6 hours are necessary

Starting with Math 101

Proposed Schedule for Biochemistry CHEM and Cognate Courses

of Labs

	Fall			Spring		
	<u>Course</u>	<u>Credits</u>	<u># of Labs</u>	<u>Course</u>	<u>Credits</u>	
Freshman Year						
2	MLC	4	1	MLC	4	
	BIOL103	4		BIOL104	4	
	MATH 101	4		MATH 115	4	
	CORE101	3		CORE102	3	
				ESAT 100	2	
		<hr/>			<hr/>	
		15			17	
Sophomore Year						
2	CHEM 105/117	4	1	CHEM224/226	4	
	BIOL221	3		CHEM246/248	4	
	MATH135	4		BIOL343	3	
	Soc Sci	3		MATH205	4	
	Non-Western	3				
		<hr/>			<hr/>	
		17			15	
Junior Year						
1	CHEM 210	2	2	CHEM 401	1	
	CHEM341	3		CHEM 342	3	
	CHEM303	3		CHEM304	2	
	CHEM344	1		CHEM321	3	
	PHYS205/209	4		PYHS206/210	4	
		<hr/>		Elect (Writing)	3	
		13			<hr/>	
					16	
Senior Year						
1	CHEM325	1	3	CHEM411	1	
	CHEM450	1		CHEM450	1	
	CHEM470	1		Arts	3	
	Humanties	3		Elect	3	
	Rel & Phil	3		Elect	3	
	Elect	3		Elect	3	
	Elect	3		Elect	3	
		<hr/>			<hr/>	
		15			17	

	Elect
Core	Distrib
Cognate	Basic Skills

Total Credits 125

July

All Blue, Green, or Pink course are interchangeable in:

* Major and cognates includes 24 hrs at 300+ level, additional 6 hours are necessary

of Labs

1

2

2

2

schedule