

Courses for B.S. in Chemistry 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 Thermodynamics	321	3	Spring	Must take before CHEM 325
PChem II Quantum Mechanics	322	3	Fall	
PChem Lab	325	1	Fall	
Biochem I	341	3	Fall	
Advanced Inorganic	404	3	Spring of Even Years	
Seminar	401	1	Fall	

One of
Internship/Research/Ind Study 399, 450, 451 1 As Needed

Capstone 470 1 Fall
Total 39

MATHMATICS

Calc I 135 4 Fall/Spring
Calc II 205 4 Spring/Fall
Calc III 215 4 Fall

PHYSICS

Gen Physics I 205/209 4 Fall
Gen Physics II 206/210 4 Spring
Total 20

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

Proposed Schedule for Chemistry 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	1	CHEM 224/226	4
	Rel & Phil	3		Arts	3
	MATH 115	4		MATH135	4
	CORE101	3		CORE102	3
				ESAT 100	2
		<hr/>			<hr/>
		14			16
Sophomore Year	CHEM225/227	4	2	CHEM246/248	4
	CHEM210	2		Non-western	3
	MATH205	4		PYHS206/210	4
	PHYS205/209	4		Elect (Writing)	3
	Elect	3		Elect	3
		<hr/>			<hr/>
		17			17
Junior Year	CHEM341	3	0	CHEM404 or Elect	3
	CHEM303	3		CHEM304	2
	Elect	3		CHEM321	3
	Humanities	3		CHEM 401	1
	MLC	4		Elect	3
				MLC	4
		<hr/>			<hr/>
		16			16
Senior Year	CHEM322	3	3	CHEM404 or Elect	3
	CHEM325	1		CHEM450	1
	CHEM450	1		Soc Sci	3
	CHEM470	1		Elect	3
	Elect	3		Elect	3
	Elect	3		Elect	3
		<hr/>			<hr/>
		12			16

	Elect
Core	Distrib
Cognate	Basic Skills

Total Credits	124
---------------	-----

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

* Major and cognates includes 21 hrs at 300+ level, additional 9 hours are necessary

Starting with Math 101

Proposed Schedule for Chemistry 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					
1	MLC	4	0	MLC	4	
	Rel & Phil	3		Arts	3	
	MATH 101	4		MATH115	4	
	CORE101	3		CORE102	3	
				ESAT 100	2	
		<hr/>			<hr/>	
		14			16	
	Sophomore Year					
2	CHEM 105/117	4	1	CHEM224/226	4	
	MATH135	4		CHEM246/248	4	
	Humanities	3		Non-western	3	
	Elect	3		MATH205	3	
	Elect	3		Elect (Writing)	3	
		<hr/>			<hr/>	
		17			17	
	Junior Year					
1	CHEM 210	2	0	CHEM401	1	
	CHEM341	3		CHEM404 or Elect	3	
	CHEM303	3		CHEM304	2	
	MATH215	3		CHEM321	3	
	PHYS205/209	4		PYHS206/210	4	
				Soc Sci	3	
		<hr/>			<hr/>	
		15			16	
	Senior Year					
1	CHEM322	3	3	CHEM404 or Elect	3	
	CHEM325	1		CHEM450	1	
	CHEM450	1		Elect	3	
	CHEM470	1		Elect	3	
	Elect	3		Elect	3	
	Elect	3		Elect	3	
	Elect	3				
		<hr/>			<hr/>	
		15			16	

	Elect
Core	Distrib
Cognate	Basic Skills

Total Credits 126

Rule

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

* Major and cognates includes 21 hrs at 300+ level, additional 9 hours are necessary

of Labs

0

2

1

1

schedule