

Course Requirement Checklist for B.A. Chemistry Majors

<u>Chemistry Requirements</u>	<u>Course</u>	<u>Credit</u>	<u>Grade</u>	<u>Alternate</u>	<u>Credit</u>	<u>Grade</u>
Freshman Seminar	400	1	_____			
(Fall & Spring)	400	1	_____			
General Chemistry	403	4	_____			
(403 Fall/404 Spring)	404	4	_____			
Quantitative Analysis	517	3	_____			
Lab	518	2	_____			
Organic Chemistry I	547	3	_____	651	3	_____
Lab	549	2	_____	653 (lab)	2	_____
Organic Chemistry II	548	3	_____	652	3	_____
Lab	550	2	_____	654 lab – Not acceptable		
Introductory Inorganic	574	3	_____			
Physical Chemistry I	683	3	_____			
Lab	685	2	_____			
Physical Chemistry II	684	3	_____			
Lab	686	2	_____			
Instrumental Analysis	762	3	_____			
Lab	763	2	_____			
Senior Seminar	698W	1	_____			
Advanced Chemistry Elective	---	---	_____			
Chemistry Related Elective	---	---	_____			
Total Credits	_____					

Acceptable Advanced Chemistry Electives: Advisor's discretion: 696 independent research, or any 700 or 800 level Chemistry course (e.g., CHEM 708, CHEM 755, CHEM 774, CHEM 776).

Acceptable Chemistry Related Electives: Advisor's discretion: Math 527 or 528; Phys 505; ESCI 741 or 752; ChE; CiE; Generally any 700 or 800 level course that does not overlap significantly with chemistry courses; 400 level not acceptable; 500 with discretion (BCHM 501 is not acceptable).

Writing Intensive (WI) Courses: Four WI courses must be successfully completed, one of which must be in the student's major and at the 600 level or above (i.e., CHEM 698W). Eng 401 is also a WI course. Two other WI courses must be successfully completed. These are selected from either the Gen-Ed courses or the student's chosen electives.

<u>Other Science Requirements</u>	<u>Course</u>	<u>Credit</u>	<u>Grade</u>
Calculus I	Math 425*	4	_____
Calculus II	Math 426*	4	_____
Physics I	Phys 407*	4	_____
OR	Phys 401-2*	8	_____

*These courses are offered nearly every semester and often during the summer sessions as well.

Total Credits: _____

<u>Foreign Language Options</u>	<u>Course</u>	<u>Credit</u>	<u>Grade</u>
1) 2 semesters of 400 level course	_____	_____	_____
or			
2) 1 semester of 500 level course or above (if student has passed the foreign language placement exam; see foreign language department for requirements, exam times, etc.)	_____	_____	_____
or			
3) Score of ≥ 500 on College Board Foreign Language Achievement Test		Score: _____	

Total Credits: _____

University General Education Requirements (*those courses in italics simultaneously satisfy chemistry BA requirements*):

<u>Group</u>	<u>Course</u>	<u>Credit</u>	<u>Grade</u>	<u>Comments</u>
1. Writing Skills	_____	_____	_____	<i>Engl 401W</i>
2. Quantitative Reasoning	_____	_____	_____	<i>Covered by Math 425</i>
3. Science & Technology	3P: _____ 3P: _____ 3B or 3T: _____	_____	_____	<i>Two Group 3P courses from Chem 403, Chem 404, Phys 407, Phys 408, others PLUS one from either Group 3B or 3T (see Gen Ed rules)</i>
4. Historical Perspective	_____	_____	_____	
5. Foreign Culture	_____	_____	_____	
6. Fine Arts	_____	_____	_____	
7. Social Science	_____	_____	_____	
8. Philosophy, Literature & Ideas	_____	_____	_____	
Total Credits: (exclude overlaps in Group 2 & 3)		_____		

Comments and Dates from Consultation with Student

Typical B.A. Chemistry Curriculum

Freshman Year

Fall Semester I

Chem 403
Math 425
GenEd
GenEd
Freshman Seminar 400 (1 credit)
= 17 credits

Spring Semester II

Chem 404
Math 426
Engl 401W
Gen Ed
Freshman Seminar 400 (1 credit)
= 17 credits Totals 34 credits

Sophomore Year

Fall Semester III

Chem 547, 549
Chem 517, 518
Phys 401
Lang 1
= 18 credits

Spring Semester IV

Chem 548, 550
Chem 574
Phys 402
Lang 2
= 16 credits Totals 34 credits

Junior Year

Fall Semester V

Chem 683, 685
GenEd
GenEd
Elective
= 17 credits

Spring Semester VI

Chem 684, 686
Chem 762, 763
GenEd
= 14 credits Totals 31 credits

Senior Year

Fall Semester VII

Adv Chem Elective
Elective
Elective
Elective
= 16 credits

Spring Semester VIII

Chem Related Elective
Chem 698W (1 credit)
Elective (3 credits)
Elective
Elective
= 16 credits Totals 32 credits

Notes:

- Assumes all electives are 4 credits, unless noted.
- Minimum 128 credits for graduation
- Minimum University GPA is 2.0