Course Requirement Checklist for B.A. Chemistry Majors

Chemistry Requirements	**Course**	**Credit**	**Grade**
Freshman Seminar	400	1 ea	_____
General Chemistry	403	4	_____
(403 Fall/404 Spring)	404	4	_____
Quantitative Analysis	517	4	_____
Lab	518	1	_____
Organic Chemistry I	547	3	_____
Lab	549	2	_____
Organic Chemistry II	548	3	_____
Lab	550	2	_____
Introductory Inorganic	574(INQ)	4	_____
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 _____

Transfer Students: Students transferring into chemistry who have taken and passed Chem 651 and 652 are exempt from the requirement of taking Chem 547 and 548. Chem 550 is not waived due to the completion of Chem 654.

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 (BMCB 501 is not acceptable, but BMCB 658 will satisfy Biological Sciences Discovery credit).

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.

Other Science Requirements	**Course**	**Credit**	**Grade**
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: _____

Foreign Language Options	**Course**	**Credit**	**Grade**
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 Discovery Requirements One Course in each Category (400-600 level) (*those courses in italics simultaneously satisfy chemistry BS requirements*)

Group	**Course**	**Credit**	**Grade**	**Comments**
Discovery Foundations				
1) Writing Skills (WS)	_____	_____	_____	(ENGL 401W)
2) Quantitative Reasoning (QR)	_____	_____	_____	*(Math 425)*
Big Ideas, Small Classes				
3) Inquiry Course (INQ 444 or INQ Attribute)	_____	_____	_____	*(Chem 574INQ)*
Discovery in the Disciplines				
4) Biological Sciences (BS)*	_____	_____	_____	(BMCB 658)
5) Physical Sciences (PS)*	_____	_____	_____	*(Phys 407)*
* Either BS or PS must have a lab.				
6) Fine and Performing Arts (FPA)	_____	_____	_____	
7) Humanities (HUMA)	_____	_____	_____	
8) Historical Perspectives (HP)	_____	_____	_____	
9) World Cultures (WC)	_____	_____	_____	
10) Social Sciences (SS)	_____	_____	_____	
11) Environ., Tech. and Society (ETS)	_____	_____	_____	
Capstone Experience				
12) Capstone	_____	_____	_____	*(Chem 698W)*

Other Electives:
Course: _____ Credit: _____ Grade: _____

Course: _____ Credit: _____ Grade: _____

Course: _____ Credit: _____ Grade: _____

Course: _____ Credit: _____ Grade: _____

Course: _____ Credit: _____ Grade: _____

Course: _____ Credit: _____ Grade: _____

Course: _____ Credit: _____ Grade: _____

Total Credits: (exclude overlaps in Groups 2, 3, 4 , 5 and 12) _____

Recommended B.A. Chemistry Curriculum

Freshman Year

Fall Semester I		**Spring Semester II**		
Chem 403	4 cr	Chem 404	4 cr	
Math 425	4 cr	Math 426	4 cr	
Discovery	4 cr	Engl 401W	4 cr	
Discovery	4 cr	Discovery	4 cr	
Fresh Sem 400	1 cr			
	= 17 credits		= 16 credits	Totals 33 credits

Sophomore Year

Fall Semester III		**Spring Semester IV**		
Chem 547, 549	3cr&2cr	Chem 548, 550	3cr&2cr	
Chem 517, 518	3cr&2cr	Chem 574INQ	4 cr	
Phys 401	4 cr	Phys 402	4 cr	
Lang 1	4 cr	Lang 2	4 cr	
	= 18 credits		= 17 credits	Totals 34 credits

Junior Year

Fall Semester V		**Spring Semester VI**		
Chem 683, 685	3cr&2cr	Chem 684, 686	3cr&2cr	
Discovery	4 cr	Chem 762, 763	3cr&2cr	
Discovery	4 cr	Discovery	4 cr	
Elective	4 cr	Elective	4 cr	
	= 17 credits		= 18 credits	Totals 35 credits

Senior Year

Fall Semester VII		**Spring Semester VIII**		
Adv Chem Elective	4 cr	Chem Rel Elect	4cr	
Discovery	4 cr	Chem 698W	1cr	
Elective	4 cr	Elective	4 cr	
Elective	4 cr	Elective	4 cr	
	= 16 credits		= 13 credits	Totals 29 credits

Notes:

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

Revised 1-14-15 CLR