

Course Requirement Checklist for B.A. Chemistry/Physics Teaching Majors

**THIS CHECKLIST IS UNDER CONSTRUCTION AND
SUBJECT TO CHANGE**

<u>Chemistry Requirements</u>	<u>Course</u>	<u>Credit</u>	<u>Grade</u>	<u>Alternate</u>	<u>Credit</u>	<u>Grade</u>
Freshman Seminar (Fall & Spring)	400	1	_____			
General Chemistry (Fall 403/Spring 404)	403 404	4 4	_____ _____			
Quantitative Analysis	517 518 (lab)	3 2	_____ _____			
Organic Chemistry I Lab	547(or 651) 549	3 2	_____ _____	545 546 (lab)	3 2	_____ _____
Organic Chemistry II Lab	548 550	3 2	_____ _____	652 654 lab – Not acceptable	3	_____
Introductory Inorganic	574	3	_____			
Physical Chemistry I Lab	683 685	3 2	_____ _____			
Physical Chemistry II Lab	684 686(W)*	3 2	_____ _____			
Senior Seminar	698W	1	_____			
<u>Physics Requirements</u>						
General Physics I	407	4	_____			
General Physics II	408	4	_____			
General Physics III	505	4	_____			
Experimental Physics I	605	5	_____			
Intro. to Astronomy	406	4	_____ (recommended)			
<u>Educational Requirements (B- or better Required)</u>						
Education	500	4	_____	(Also available as summer Live, Learn & Teach Program)		
Education	700*/800	4	_____			
Education	701*/801	4	_____			
Education	705*/805	4	_____			
Education	707*/807	2	_____			
Education (meets 703 reqmnt)	791*/891	4	_____			
Education (5 th year Master's)	900, 901	8	_____	Requires min. GPA of 2.67, min. GREs of 400, positive recommendations from ED500 teaching supervisors.		
Total Credits			_____			
*Apply for grad/undergrad. cross-listing						

<u>Other Science Requirements</u>	<u>Course</u>	<u>Credit</u>	<u>Grade</u>
Calculus I	Math 425*	4	_____
Calculus II	Math 426*	4	_____

* These are often offered during the summer session.

Total Credits: _____

<u>Foreign Language Options</u>	<u>Course</u>	<u>Credit</u>	<u>Grade</u>
1) 2 semesters of 400 level course	_____	_____	_____
2) 1 semester of 500 level course or above (if taken in high school)	_____	_____	_____
3) Score of ≥ 500 on College Board Foreign Language Achievement Test		Score: _____	

Total Credits: _____

University General Education Requirements:

<u>Group</u>	<u>Course</u>	<u>Credit</u>	<u>Grade</u>	<u>Comments</u>
1. Writing Skills	_____	_____	_____	Usually Engl 401W
2. Quantitative Reasoning	_____	_____	_____	Covered by Math 425
3. Science & Technology	_____	_____	_____	Covered by Phys 407 Covered by Phys 408 Covered by Biol. or ES
4. Historical Perspective	_____	_____	_____	Hist. 521, 522, 523
5. Foreign Culture	_____	_____	_____	
6. Fine Arts	_____	_____	_____	
7. Social Science	_____	_____	_____	
8. Philosophy, Literature & Ideas	_____	_____	_____	Phil 424, Phil 630, Hum 651W
Total Credits			_____	(Exclude overlaps in Grp 2 & 3)

Writing Intensive Courses:

As of Fall 1998, incoming freshman are required to complete 4 writing intensive courses, one of which must be in the student's major and at the 600 level or above. Eng 401 qualifies as a writing intensive course. These are designated by a W next to the course number.

*Chemistry writing intensive courses 698 and 699 always offer a W section. However the writing intensive sections of 686, 756, 763, & 775 are not always offered. Permission Required.

Comments and Dates from Consultation with Student

Typical B.A./CPT Chemistry Curriculum

Freshman Year

Fall Semester I

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

= 17 credits

Spring Semester II

Freshman Seminar 400 (1 credit)
Chem 404
Math 426
Engl 401W
Phys 407

= 17 credits

Totals 34 credits

Sophomore Year

Fall Semester III

Chem 517, 518
Chem 547, 549
Phys 408
Educ 500

= 17 credits

Spring Semester IV

Chem 548, 550
Phys 406
Lang 1
GenEd

= 16 credits

Totals 34 credits

Junior Year

Fall Semester V

Chem 683, 685
Lang 2
Phys 505
Educ 700

= 17 credits

Spring Semester VI

Chem 684, 686(W)
Educ 701
Elective
BioSci or Tech

= 14 credits

Totals 34 credits

Senior Year

Fall Semester VII

Phys 605
Educ 705
Elective
Elective

= 16 credits

Spring Semester VIII

Educ 791
Educ 707
Elective
Chem 698W (1 credit)

= 13 credits

Totals 29 credits

Totals 131 credits

Fifth Year

Internship

Educ 900

Educ 901

Notes:

- Assumes all electives are 4 credits, unless noted
- Minimum 128 credits for graduation
- Minimum University GPA is 2.0
- Minimum grades of B- in Education courses.

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