

Chemistry & Physics

BS Ed Chemistry Education

Suggested Course Outline

Freshman

Freshman Seminar	71-101	1	Composition II	10-112	3
Composition I	10-111	3	General Chemistry II & Lab	24-116/117	5
General Chemistry I & Lab	24-114/115	4	General Biology & Lab	04-102/103	4
Precalculus (Math ACT under 27)	17-117	4	Calculus I	17-120	4
Computational Methods in Science	40-106	3	Laboratory Safety (S)	24-135	2
Total		15	Total		17

Summer: Western Civilization II	26-103	3	America – A Historical Survey	33-155	3
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Sophomore

Calculus II	17-121	4	Intro to Lit	10-220	3
Fund of Classical Physics I & Lab	25-120/121	5	General Statistics I	17-114	3
Organic Chemistry I & Lab	24-342-343	5	<i>Intro to Special Education</i>	66-371	2
<i>Educational Psychology</i>	08-303	3	Intro to American Government	34-102	3
<i>Sec Teaching Practicum I</i>	65-260	1	Fund of Oral Communication	29-102	3
Total		18	Total		15

Summer: Fine Arts	3	General Earth Science & Lab	27-114/115	4
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Junior

Reading in the Content Area	66-353	2	Multiculturalism in Education	61-569	3
Adolescent Psychology	08-322	3	Environmental Issues (S)	04-420	3
Special Investigations in Chemistry	24-499	1	History of Science and Technology	28-550	3
Quantitative Analysis & Lab (F)	24-322/323	5	Physical Chemistry II & Lab (S)	24-534/535	4
Physical Chemistry I & Lab (F)	24-532/533	4	Organic Chemistry II & Lab (S)	24-334/345 (5)	4
Total		15	← or →	Total	13-18

Summer: Social Studies	3
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Senior

General Biochemistry & Lab	24-562/563	5	**Professional Trimester**		
Chemistry Seminar	24-592	1	Classroom Management Seminar	65-521	1
Chemistry Practicum	24-370	1	School & Society Seminar	61-462	1
<i>Practicum II</i>	65-360	1			
<i>School and Society</i>	61-461	2			
<i>Methods in Sec School Science (F)</i>	28-580	3	Dir Teaching in the Sec School	65-490	10
<i>Classroom Management</i>	65-520	2	Total		12
Total		15			

- If one has not taken a substantial high school chemistry course, Chemistry 112/113 should be taken prior to Chemistry 114/115. Furthermore, student needs to have mastered Algebra II in high school.
- Without two years of biology in high school, Biology 102/103 needs to be taken prior to Biology 112/113 or 114/115.
- Without an ACT of 27, students must first complete 17-118 and 17-119 or take 17-117. Students with a 27 or above on the Mathematics ACT subscore are eligible to begin with Calculus I (4 more elective hours are required).

Fo Fall Odd Years

Fe Fall Even Years

So Spring Odd Years

Se Spring Even

(Please note this outline does not supersede the requirements listed in the Northwest Undergraduate Student Catalog nor does it constitute a contractual arrangement, rather it is for information only. It is the student's responsibility to be aware of and to meet all University and Department requirements as listed in the catalog.)

Fall 2008