

Chemistry & Physics

BS Comprehensive Major in Chemistry, 69 hours ACS Accredited

Suggested Course Outline

Freshman

Freshman Seminar		1	Composition		10-112	3
Composition	10-111	3	General Chemistry II & Lab		24-116/117	5
General Chemistry I & Lab	24-114/115	4	America – A Historical Survey		33-155	3
Precalculus (Math ACT under 27)	17-117	4	Calculus I		17-120	4
<u>Biological Science & Lab</u>		<u>4</u>	<u>Laboratory Safety</u>		<u>24-135</u>	<u>2</u>
Total		16	Total			17

Sophomore

Organic Chemistry I & Lab (F So)		24-342/343	Organic Chemistry II & Lab (S)		24-344/345	5
Calculus II	17-121	4	Fund of Classical Physics II & Lab		25-230/231	5
Fund of Classical Physics & Lab	25-120/121	5	General Statistics		17-114	3
<u>Fund of Oral Communication</u>	<u>29-102</u>	<u>3</u>	<u>Multivariate Calculus</u>		<u>17-321</u>	<u>4</u>
Total		17	Total			17

Junior

General Psychology		08-103	Humanities/Philosophy		3	
Physical Chemistry I & Lab (F)	24-532/533	4	Physical Chemistry II & Lab (S)		24-534/535	4
Fine Arts		3	Instrumental Analysis & Lab (Se)		24-522/523	4
<u>Quantitative Analysis & Lab (F)</u>	<u>24-322/323</u>	<u>5</u>	<u>Chemistry Electives – 400 level</u>			<u>3</u>
Total		15	Total			14

Senior

Intro to American Government		34-102	Introduction to Literature		10-220	3
General Biochemistry (F)	24-562	3	Institutional Requirement-Multicultural			3
Chemistry Seminar	24-592	1	Social Science			3
Institutional Requirement-Technology		3	Adv Inorganic Chemistry (So)		24-552	3
<u>Approved Collateral Courses</u>		<u>4</u>	<u>Inorganic Synthesis Laboratory (So)</u>		<u>24-555</u>	<u>1</u>
Total		14	Total			13

- 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.
- If the Math ACT is >27, four more electives must be taken. 17-114 Gen. Statistics can move to Fall Freshman yr.
- *40 semester hours of courses numbered above 300 are required. 42 hours are defined in this major. 124 total hrs.

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