

# Chemistry & Physics

## BS Chemistry, 54 hours

### Suggested Course Outline

#### Freshman

Freshman Seminar	71-101	1	Composition	10-112	3
Composition	10-111	3	Biological Sciences & Lab		4
Intro to American Government	34-102	3	America – A Historical Survey	33-155	3
Precalculus (Math ACT under 27)	17-117	4	Calculus I *	17-120	4
Fundamentals of Oral Comm	29-102	3	Lab safety	24-135	2
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>16</b>

#### Sophomore

Calculus II	17-121	4	Classical Physics II & Lab (S)	25-230/231	5
Classical Physics & Lab (F)	25-120/121	5	General Chemistry II & Lab	24-116/117	5
General Chemistry I & Lab	24-114/115	4	Intro to Literature	10-220	3
General Statistics I		3	General Psychology	08-103	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>

#### Junior

Social Science		3	Organic Chemistry II & Lab (S)	24-344/345	5
Institutional Requirement-Technology		3	Humanities/Philosophy		3
Quantitative Analysis & Lab (F)	24-322/323	5	Institutional Requirement-Multicultural		3
Organic Chemistry I & Lab (F So)	24-342/343	5	Fine Arts		3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>14</b>

#### Senior

Physical Chemistry I & Lab (F)	24-532/533	4	Physical Chemistry II & Lab (S)	24-534/535	4
Chemistry Seminar	24-592	1	Electives*		9
Approved Collateral Courses		4	Advanced Inorganic Chemistry(So)	24-552	3
Electives*		7	<b>Total</b>		<b>16</b>
<b>Total</b>		<b>16</b>			

- 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).
- \*Forty semester hours of courses numbered above 300 are required. 27 hours are defined in this major.

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**