

## B.S. in Chemistry – Sample Degree Plan with Calculus AB and Chemistry AP credit (Path 3)

FALL			SPRING		
<b>FRESHMAN</b>			<b>FRESHMAN</b>		
		<b>13 credits</b>			<b>15 credits</b>
CHEM 110	Freshman Chemistry Seminar	1	CHEM 320	Organic Chemistry II	3
CHEM 319	Organic Chemistry I	3	CHEM 365	Organic Chemistry Lab	2
CHEM 366	Inorganic Chemistry Lab	2	MATH 102	Single Variable Calculus II	3
PHYS 101	Mechanics (with lab)	4	PHYS 102	Electricity & Magnetism (with lab)	4
DIST	Distribution Course	3	FWIS	First Year Writing Seminar	3
<b>SOPHOMORE</b>			<b>SOPHOMORE</b>		
		<b>15 credits</b>			<b>14 credits</b>
BIOC 301	Biochemistry I	3	CHEM 330	Analytical Chemistry	3
CHEM 367	Materials Lab	2	CHEM 360	Inorganic Chemistry	3
MATH 211	Ord. Diff. Equations	3	CHEM 391	Research for Undergraduates	3
DIST	Distribution Course	3	CHEM 368	Chemical Measurement Lab	2
OPEN	Open Elective	3	MATH 212	Multivariable Calculus	3
LPAP	Lifetime Phys. Activity Elec	1			
<b>JUNIOR</b>			<b>JUNIOR</b>		
		<b>15 credits</b>			<b>15 credits</b>
CHEM 301	Physical Chemistry I	3	CHEM 302	Physical Chemistry II	3
CHEM 491	Research for Undergraduates	3	CHEM 491	Research for Undergraduates	3
CHEM 4XX	Adv Chem. Lecture Course	3	DIST	Distribution Course	3
DIST	Distribution Course	3	OPEN	Open Elective	3
OPEN	Open Elective	3	OPEN	Open Elective	3
<b>SENIOR</b>			<b>SENIOR</b>		
		<b>17 credits</b>			<b>17 credits</b>
CHEM 492	Undergrad. Honors Research	5	CHEM 493	Undergrad. Honors Research	5
CHEM 4XX	Adv Chem. Lecture Course	3	CHEM 4XX	Adv Chem. Lecture Course	3
DIST	Distribution Course	3	DIST	Distribution Course	3
OPEN	Open Elective	3	OPEN	Open Elective	3
OPEN	Open Elective	3	OPEN	Open Elective	3

Total = 121 credit hours

**Note:** The above sample degree plan assumes that Calculus AB and Chemistry AP credit were earned upon entering Rice, which would satisfy MATH 105 and CHEM 111/112/113/114, respectively. While the above sample degree plan suggests 19 credit hours of independent research, the B.S. degree requires only 8 credit hours. There is a lot of flexibility in the completion of advanced coursework. However, not all courses are taught every year – consult with your major advisor about your course plan.