

B.S. in Chemistry - Sample Degree Plan without Chemistry AP credit

FALL			SPRING		
FRESHMAN			FRESHMAN		
14 credits			15 credits		
CHEM 151	Honors Chemistry I	3	CHEM 152	Honors Chemistry II	3
CHEM 153	Honors Chemistry Laboratory I	1	CHEM 154	Honors Chemistry Laboratory II	1
MATH 101	Single Variable Calculus I	3	MATH 102	Single Variable Calculus II	3
PHYS 101	Mechanics (with lab)	4	PHYS 102	Electricity & Magnetism (with lab)	4
FWIS	First Year Writing Seminar	3	DIST	FWIS/Distribution Course	3
			LPAP	Lifetime Phys. Activity Elective	1
SOPHOMORE			SOPHOMORE		
15 credits			17 credits		
CHEM 211	Organic Chemistry I	3	CHEM 320	Organic Chemistry II	3
CHEM 213	Organic Chemistry Discussion	0	CHEM 360	Inorganic Chemistry	3
CHEM 220	Undergrad. Chemistry Seminar	1	CHEM 365	Organic Chemistry Lab	2
CHEM 366	Inorganic Chemistry Lab	2	CHEM 391	Research for Undergraduates	3
MATH 212	Multivariable Calculus	3	DIST	Distribution Course	3
DIST	Distribution Course	3	OPEN	Open Elective	3
OPEN	Open Elective	3			
JUNIOR			JUNIOR		
17 credits			18 credits		
BIOC 301	Biochemistry I	3	CHEM 311	Physical Chemistry I	3
CHEM 312	Physical Chemistry II	3	CHEM 330	Analytical Chemistry	3
CHEM 368	Chemical Measurement Lab	2	CHEM 491	Research for Undergraduates	3
CHEM 491	Research for Undergraduates	3	DIST	Distribution Course	3
DIST	Distribution Course	3	OPEN	Open Elective	3
OPEN	Open Elective	3	OPEN	Open Elective	3
SENIOR			SENIOR		
17 credits			17 credits		
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
CHEM 4XX	Adv Chem. Lecture Course	3	OPEN	Open Elective	3
DIST	Distribution Course	3	OPEN	Open Elective	3
OPEN	Open Elective	3	OPEN	Open Elective	3

Total = 130 credit hours

Note: While the above sample degree plan suggests 19 credit hours of independent research, the B.S. degree requires at least 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.

B.S. in Chemistry - Sample Degree Plan with Calculus AB and Chemistry AP credit

FALL			SPRING		
FRESHMAN		13 credits	FRESHMAN		15 credits
CHEM 110	Freshman Chemistry Seminar	1	CHEM 320	Organic Chemistry II	3
CHEM 211	Organic Chemistry I	3	CHEM 365	Organic Chemistry Lab	2
CHEM 213	Organic Chemistry Discussion	0	MATH 102	Single Variable Calculus II	3
CHEM 366	Inorganic Chemistry Lab	2	PHYS 102	Electricity & Magnetism (with lab)	4
PHYS 101	Mechanics (with lab)	4	FWIS	First Year Writing Seminar	3
DIST	Distribution Course	3			
SOPHOMORE		14 credits	SOPHOMORE		15 credits
BIOC 301	Biochemistry I	3	CHEM 330	Analytical Chemistry	3
CHEM 367	Materials Lab	2	CHEM 360	Inorganic Chemistry	3
DIST	Distribution Course	3	CHEM 391	Research for Undergraduates	3
OPEN	Open Elective	3	MATH 212	Multivariable Calculus	3
OPEN	Open Elective	3	DIST	Distribution Course	3
JUNIOR		16 credits	JUNIOR		17 credits
CHEM 312	Physical Chemistry II	3	CHEM 311	Physical Chemistry I	3
CHEM 491	Research for Undergraduates	4	CHEM 491	Research for Undergraduates	4
CHEM 4XX	Adv Chem. Lecture Course	3	DIST	Distribution Course	3
DIST	Distribution Course	3	LPAP	Lifetime Phys. Activity Elective	1
OPEN	Open Elective	3	OPEN	Open Elective	3
			OPEN	Open Elective	3
SENIOR		17 credits	SENIOR		14 credits
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	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 101 and CHEM 121/122/123/124, respectively. While the above sample degree plan suggests 19 credit hours of independent research, the B.S. degree requires at least 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.