

B.S. in Chemistry – Sample Degree Plan with Chemistry AP Credit

FALL			SPRING		
FRESHMAN			FRESHMAN		
15 credits			14 credits		
CHEM 201	General Chemistry	3	CHEM 360	Inorganic Chemistry	3
CHEM 205	General Chemistry Laboratory	1	MATH 102	Single Variable Calculus II	3
MATH 101	Single Variable Calculus I	3	PHYS 102	Electricity & Magnetism (with lab)	4
PHYS 101	Mechanics (with lab)	4	DIST	FWIS/Distribution Course	3
FWIS	First Year Writing Seminar	3	LPAP	Lifetime Phys. Activity Elective	1
CHEM 110	Freshman Seminar in Chemistry	1			
SOPHOMORE			SOPHOMORE		
14 credits			14 credits		
CHEM 219	Organic Chemistry I	3	CHEM 320	Organic Chemistry II	3
CHEM 366	Inorganic Chemistry Lab	2	CHEM 365	Organic Chemistry Lab	2
MATH 212	Multivariable Calculus	3	CHEM 391	Research for Undergraduates	3
DIST	Distribution Course	3	DIST	Distribution Course	3
OPEN	Open Elective	3	OPEN	Open Elective	3
JUNIOR			JUNIOR		
15 credits			14 credits		
BIOS 301	Biochemistry I	3	CHEM 302	Physical Chemistry II	3
CHEM 301	Physical Chemistry I	3	CHEM 491	Research for Undergraduates	3
CHEM 491	Research for Undergraduates	3	CHEM 368	Chemical Measurement Lab	2
DIST	Distribution Course	3	DIST	Distribution Course	3
OPEN	Open Elective	3	OPEN	Open Elective	3
SENIOR			SENIOR		
17 credits			14 credits		
CHEM 492	Undergrad. Honors Research	5	CHEM 493	Undergrad. Honors Research	5
CHEM 330	Analytical Chemistry	3	CHEM 4XX	Adv Chem. Lecture Course	3
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			

Total = 117 credit hours taken at Rice

Note: The above sample degree plan assumes that Chemistry AP credit was earned upon entering Rice, which would satisfy CHEM 111/113. 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.