

B.S. in Chemistry – Sample Degree Plan

FALL			SPRING		
FRESHMAN		15 credits	FRESHMAN		15 credits
CHEM 121	General Chemistry I	3	CHEM 122	General Chemistry II	3
CHEM 123	General Chemistry Laboratory I	1	CHEM 124	General 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
CHEM 110	Freshman Sem. in Chemistry	1	LPAP	Lifetime Phys. Activity Elective	1
SOPHOMORE		14 credits	SOPHOMORE		14 credits
CHEM 2319	Organic Chemistry I	3	CHEM 320	Organic Chemistry II	3
CHEM 366	Inorganic Chemistry Lab	2	CHEM 360	Inorganic Chemistry	3
MATH 212	Multivariable Calculus	3	CHEM 365	Organic Chemistry Lab	2
DIST	Distribution Course	3	DIST	Distribution Course	3
OPEN	Open Elective	3	OPEN	Open Elective	3
JUNIOR		15 credits	JUNIOR		14 credits
BIOS 301	Biochemistry I	3	CHEM 302	Physical Chemistry II	3
CHEM 301	Physical Chemistry I	3	CHEM 4xx	Adv. Chem. Lecture Course	3
CHEM 391	Research for Undergraduates	3	CHEM 368	Chemical Measurement Lab	2
DIST	Distribution Course	3	CHEM 491	Research for Undergraduates	3
OPEN	Open Elective	3	DIST	Distribution Course	3
SENIOR		17 credits	SENIOR		17 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	OPEN	Open Elective	3
DIST	Distribution Course	3	OPEN	Open Elective	3
OPEN	Open Elective	3	OPEN	Open Elective	3

Total = 121 credit hourstaken at Rice

Note: While the above sample degree plan suggests 16 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.