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

FALL			SPRING		
FRESHMAN		**16 credits**	**FRESHMAN**		**15 credits**
CHEM 211	Organic Chemistry I	3	CHEM 215	Organic Chemistry Lab	2
CHEM 213	Organic Chemistry Discussion	0	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	Distribution Course	3
DIST	Distribution Course	3	OPEN	Open Elective	3
OPEN	Open Elective	3			
SOPHOMORE		**16 credits**	**SOPHOMORE**		**16 credits**
MATH 211	Ordinary Differential Equations	3	CHEM 360	Inorganic Chemistry	3
PHYS 201	Waves and Optics	3	CHEM 391	Research for Undergraduates	3
PHYS 231	Elementary Physics Lab	1	MATH 212	Multivariable Calculus	3
DIST	Distribution Course	3	PHYS 202	Modern Physics	3
OPEN	Open Elective	3	DIST	Distribution Course	3
OPEN	Open Elective	3	LPAP	Lifetime Phys. Activity Elective	1
JUNIOR		**15 credits**	**JUNIOR**		**15 credits**
CHEM 301	Physical Chemistry I	3	CHEM 302	Physical Chemistry II	3
CHEM 491	Research for Undergraduates	3	CHEM 491	Research for Undergraduates	3
PHYS 301	Intermediate Mechanics	4	PHYS 302	Intermediate Electrodynamics	4
PHYS 331	Junior Physics Lab I	2	PHYS 332	Junior Physics Lab II	2
DIST	Distribution Course	3	DIST	Distribution Course	3
SENIOR		**17 credits**	**SENIOR**		**17 credits**
CHEM 415	Chem. Kinetics & Dynamics	3	CAAM 3XX	Adv CAAM Lecture Course	3
CHEM 492	Undergrad. Honors Research	5	CHEM 493	Undergrad. Honors Research	5
MATH 3XX	Adv MATH Lecture Course	3	CHEM 420	Classical & Stat Thermodynamics	3
OPEN	Open Elective	3	OPEN	Open Elective	3
OPEN	Open Elective	3	OPEN	Open Elective	3

Total = 127 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 121/122/123/124, respectively. Also note that 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.