B.S. in Chemical Physics - Sample Degree Plan

FALL			SPRING		
FRESHMAN		**16 credits**	**FRESHMAN**		**17 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)	3	PHYS 102	Electricity & Magnetism (with lab)	4
FWIS	First Year Writing Seminar	3	DIST	Distribution Course	3
OPEN	Open Elective	3	OPEN	Open Elective	3
SOPHOMORE		**16 credits**	**SOPHOMORE**		**16 credits**
CHEM 211	Organic Chemistry I	3	CHEM 215	Organic Chemistry Lab	3
CHEM 213	Organic Chemistry Discussion	0	CHEM 360	Inorganic Chemistry	2
MATH 211	Ordinary Differential Equations	3	MATH 212	Multivariable Calculus	4
PHYS 201	Waves and Optics	3	PHYS 202	Modern Physics	3
PHYS 231	Elementary Physics Lab	1	DIST	Distribution Course	3
DIST	Distribution Course	3	LPAP	Lifetime Phys. Activity Elective	1
OPEN	Open Elective	3			
JUNIOR		**18 credits**	**JUNIOR**		**18 credits**
CHEM 301	Physical Chemistry I	3	CHEM 302	Physical Chemistry II	3
CHEM 391	Research for Undergraduates	3	CHEM 368	Chem Measurement Lab	2
PHYS 301	Intermediate Mechanics	4	CHEM 491	Research for Undergraduates	3
PHYS 331	Junior Physics Lab I	2	PHYS 302	Intermediate Electrodynamics	4
DIST	Distribution Course	3	DIST	Distribution Course	3
OPEN	Open Elective	3	OPEN	Open Elective	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
PHYS 425	Statistical & Thermal Physics	3	MATH 3XX	Adv MATH Lecture Course	3
DIST	Distribution Course	3	OPEN	Open Elective	3
OPEN	Open Elective	3	OPEN	Open Elective	3

Total = 135 credit hours

Note: While the above sample degree plan suggests 16 credit hours of independent research, the B.S. degree in Chemical Physics does not require any research credit. 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.