

**Physics and Astronomy
Chemical Physics Concentration**

Strongly recommended courses

Dept.	Course #	Course Description	(18 min.)	taken	Grade
PHY	3001	Analytical Methods in Physics	3		
PHY	3020	Electromagnetic Fields & Waves	3		
PHY	3230	Thermal Physics	3		
PHY	4640	Quantum Mechanics	3		
CHE	1101	Intro. Chemistry I	3		
CHE	1110	Intro. Chemistry I Lab	1		
CHE	1102	Intro. Chemistry II	3		
CHE	1120	Intro. Chemistry II Lab	1		
CHE	2201	Organic Chem I	3		
CHE	2203	Organic Chem Lab I	1		
CHE	3301	Physical Chemistry I	3		
CHE	3303	Physical Chemistry Lab I	1		

Other recommended courses

Dept.	Course #	Course Description	(18 min.)	taken	Grade
CHE	2202	Organic Chem II	3		
CHE	2204	Organic Chem Lab II	1		
CHE	2210	Quantitative Analysis	2		
CHE	2211	Quantitative Analysis Lab	2		
CHE	3302	Physical Chemistry II	3		
CHE	3304	Physical Chemistry Lab II	1		
CHE	4400	Senior Research	1		
CHE	3404	Inorganic Chemistry	3		
CHE	3405	Inorganic Chemistry Lab	1		
CS	1440*	Computer Science I	4		
CS	1445*	Intro, to Programming with Interdisciplinary Applications	4		
MAT	4310	Numerical Methods	3		
MAT	3130	Differential Equations	3		
PHY	3010	Classical Mechanics	3		
PHY	4020	Computational Methods in Physics & Engineering	3		

*Note: Credit allowed for CS 1440 OR 1445, but not both