Physics and Astronomy
Radiation Safety Physics Concentration

Strongly recommended courses			Credits	Term	
Dept.	**Course**	**Course Description**	**(18 min.)**	**taken**	**Grade**
PHY	3850*	Environucleonics	3		
PHY	3851*	Environucleonics Lab	1		
PHY	3211	Modern Physics II	3		
PHY	3230	Thermal Physics	3		
PHY	4330	Digital Electronics	4		
PHY	4820	Medical Physics	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		
BIO	1801	Biological Concepts 1 (can not substitute BIO 1101)	4		
MAT	3130	Differential Equations	3		

Other recommended courses (may vary depending on type of engineering)

Dept.	**Course**	**Course Description**			
PHY	4020	Computational Methods in Physics & Engineering	3		
PHY	4900	Internship	3-12		
CS	1440**	Computer Science I	4		
CS	1445**	Intro, to Programming with Interdisciplinary Applicatio	4		
BIO	2001	Intro to Zoology	4		
BIO	3301	Human Systems Phisiology	4		
STT	3860	Statistical Analysis I	4		
POWER PLANT EMPHASIS					
CHE	2210	Quantitative Analysis	3		
CHE	2211	Quantitative Analysis Lab	1		
CHE	3404	Inorganic Chemistry	3		
CHE	3405	Inorganic Chemistry Lab	1		
CHE	4560	Intrumental Methods of Analysis	4		
HOSPITAL EMPHASIS					
CHE	2210	Quantitative Analysis	3		
CHE	2211	Quantitative Analysis Lab	1		
CHE	2202	Organic Chemistry II	3		
CHE	2204	Organic Chemistry Lab II	1		
CHE	4580	Biochemistry	3		
CHE	4581	Biochemistry Lab	1		

If graduate school in Engineering is desired, it is recommended that you add:

Dept.	**Course**	**Course Description**			
ECO	2030	Micro-economics	3		