

**Physics and Astronomy  
Engineering Electronics Concentration**

**Strongly recommended courses**

<b>Dept.</b>	<b>Course</b>	<b>Course Description</b>	<b>Credits (18 min.)</b>	<b>taken</b>	<b>Grade</b>
PHY	3020	Electromagnetic Fields & Waves	3		
PHY	3230	Thermal Physics	3		
PHY	4330	Digital Electronics	4		
PHY	4635	Advanced Microprocessors, Interfacing, & Robotics	4		
PHY	4730	Analog Circuits	4		
PHY	5740	Sensors and Transducers	4		
MAT	3130	Differential Equations	3		

**Other recommended courses**

<b>Dept.</b>	<b>Course</b>	<b>Course Description</b>	<b>(18 min.)</b>	<b>taken</b>	<b>Grade</b>
PHY	4020	Computational Methods in Physics & Engineering	3		
PHY	4620	Optics	4		
PHY	5735	Microcontrollers	4		
PHY	4900	Internship	3-12		
CS	1440*	Computer Science - I	4		
CS	1445*	Intro. to Programming with Interdisciplinary Applications	4		
CS	2440	Computer Science - II	4		
MAT	2240	Intro. to Linear Algebra	3		

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

<b>Dept.</b>	<b>Course</b>	<b>Course Description</b>	<b>(18 min.)</b>	<b>taken</b>	<b>Grade</b>
CHE	1101	Introductory Chemistry - I	3		
CHE	1110	Introductory Chemistry Laboratory - I	1		
ECO	2030	Micro-economics	3		