

**Physics and Astronomy
Computer Systems Concentration**

Strongly recommended courses

Dept.	Course	Course Description	(18 min.)	taken	Grade
PHY	4330	Digital Electronics	4		
PHY	5735	Microcontrollers	4		
MAT	2240	Intro. to Linear Algebra	3		
CS	1100	Discrete Mathematics	3		
CS	1440*	Computer Science - I	4		
CS	1445*	Intro, to Programming with Interdisciplinary Applicati	4		
CS	2440	Computer Science - II	4		
CS	2450	Introduction to Computer Systems	3		
CS	2490	Introduction to Theoretical Comp. Sci.	3		
CS	3460	Data Structures	3		

Other recommended courses

Dept.	Course	Course Description	(18 min.)	taken	Grade
PHY	3010	Classical Mechanics	3		
PHY	3020	Electromagnetic Fields & Waves	3		
PHY	3230	Thermal Physics	3		
PHY	4620	Optics	4		
PHY	4730	Analog Circuits	4		
PHY	5740	Sensors and Transducers	4		
PHY	4900	Internship	3-12		
PHY	4635	Advanced Microprocessors, Interfacing, & Robotics	4		
MAT	3130	Differential Equations	3		
MAT	4310	Numerical Methods	3		
MAT	4560	Methods of Applied Mathematics	3		