

Physics and Astronomy

Technical Management Concentration

Strongly recommended courses

Dept.	Course	Course Description	Credits (18 min.)	Term taken	Grade
PHY	4330	Digital Electronics	4		
PHY	4730	Analog Circuits	4		
PHY	4635	Advanced Microprocessor Inter & Robotics	4		
PHY	5735	Microcontrollers	4		
CS	1440*	Computer Science I	4		
CS	1445*	Intro, to Programming with Interdisciplinary Applications	4		
STT	2810	Introduction to Statistics	3		
ENG	4700	Technical Writing	3		
ECO	2030	Micro-economics	3		
ECO	2040	Macro-economics	3		
ACC	2100	Principles of Accounting I	3		
ACC	2110	Principles of Accounting II	3		
PHY	3010	Classical Mechanics	3		
PHY	3020	Electromagnetic Fields & Waves	3		
PHY	3230	Thermal Physics	3		
PHY	4020	Computational Methods in Physics & Engineering	3		
CHE	1101	Intro. Chemistry I	3		
CHE	1110	Intro. Chemistry I Lab	1		
MAT	2240	Intro. to Linear Algebra	3		
MAT	3130	Differential Equations	3		

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

Dept.	Course	Course Description	Credits	Term	Grade
PHY	4620	Optics	4		
PHY	3211	Modern Physics II	3		
PHY	4640	Quantum Mechanics	3		
PHY	4900	Internship	3-12		
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		
GLY	1101	Intro to Physical Geology	4		
GLY	1103	Intro to Environmental and Applied Geology	4		
CS	2440	Computer Science - II	4		
CS	2450	Assembly Language & Machine Operation	3		
MAT	4310	Numerical Methods	3		
MAT	4560	Methods of Applied Mathematics	3		

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

Dept.	Course	Course Description	Credits	Term	Grade
ECO	2030	Micro-economics	3		