

Physics/Engineering

Department	Course Number	Course Name	Credits	Required	Term Taken
Physics	3010	Classical Mechanics (F)	3	<input type="checkbox"/>	<input type="checkbox"/>
	3020	Electromagnetic Fields & Waves (S)	3	<input type="checkbox"/>	<input type="checkbox"/>
	3630	Digital Electronics (F)	3	<input type="checkbox"/>	<input type="checkbox"/>
Chemistry	1101/1110	Introductory Chemistry I & Lab	4	<input type="checkbox"/>	<input type="checkbox"/>
	*1102/1120	Introductory Chemistry II & Lab	4	<input type="checkbox"/>	<input type="checkbox"/>
Mathematics	3130	Differential Equations	3	<input type="checkbox"/>	<input type="checkbox"/>
	4310	Numerical Methods (S)	3	<input type="checkbox"/>	<input type="checkbox"/>
Computer Science	*1440	Computer Science I	3	<input type="checkbox"/>	<input type="checkbox"/>
	OR *1400	(Ag, Ci, C, E) FORTRAN Programming (S)	3	<input type="checkbox"/>	<input type="checkbox"/>
Technology	3001	Fundamentals of CADD	3	<input type="checkbox"/>	<input type="checkbox"/>
<b>OTHER RECOMMENDED COURSES</b>					
Physics	3000	Microcomputer Methods in Physics (S)	2	<input type="checkbox"/>	<input type="checkbox"/>
	*3211	Modern Physics II (E) (S)	3	<input type="checkbox"/>	<input type="checkbox"/>
	*3230	Thermal Physics (A, Ag, Ch, Ev, N) (S)	3	<input type="checkbox"/>	<input type="checkbox"/>
	*4620	Optics (A) (S)	4	<input type="checkbox"/>	<input type="checkbox"/>
	*4640	Quantum Mechanics (N) (S)	3	<input type="checkbox"/>	<input type="checkbox"/>
	*3850	Environucleonics (N)	3	<input type="checkbox"/>	<input type="checkbox"/>
	*3851	Environucleonics Lab (N)	1	<input type="checkbox"/>	<input type="checkbox"/>
	3730	Analog Circuit Analysis (F)	3	<input type="checkbox"/>	<input type="checkbox"/>
	*4635	Advanced Microprocessors & Robotics (C, Ch, E, M, N)(S)	4	<input type="checkbox"/>	<input type="checkbox"/>
	*4735	Microprocessors (C, Ch, E, M, N) (S)	3	<input type="checkbox"/>	<input type="checkbox"/>
Biology	*1101	Introduction to Life Science (Ag, Ev)	4	<input type="checkbox"/>	<input type="checkbox"/>
	*1102	Introduction to Life Science (Ag, Ev)	4	<input type="checkbox"/>	<input type="checkbox"/>
	*2000	Introduction to Botany (Ag, Ev)	4	<input type="checkbox"/>	<input type="checkbox"/>
	*2001	Introduction to Zoology (Ev)	4	<input type="checkbox"/>	<input type="checkbox"/>
	*3312	Environmental Studies (Ev)	3	<input type="checkbox"/>	<input type="checkbox"/>
Chemistry	*2201/2203	Organic Chemistry I & Lab (Ag, Ch, Ev)	4	<input type="checkbox"/>	<input type="checkbox"/>
Computer Science	*2440	Computer Science II (C, E)	4	<input type="checkbox"/>	<input type="checkbox"/>
	*2450	Assembly Language & Machine Operation (C, E)	4	<input type="checkbox"/>	<input type="checkbox"/>
Geology	*1101	Introduction to Physical Geology (Ci, Ev)	3	<input type="checkbox"/>	<input type="checkbox"/>
	*1103	Introduction to Applied Geology (Ci, Ev) (S)	3	<input type="checkbox"/>	<input type="checkbox"/>

S00

\* This course is degree dependent, to identify locate letter(s) after/under the course number. A=Aerospace, Ag=Agricultural, Ch=Chemical, Ci=Civil, C=Computer, E=Electrical, Ev=Environmental, M=Mechanical, N=Nuclear.



PHYSICS/ENGINEERING  
SAMPLE SCHEDULE

Fall

Spring

FIRST YEAR			
PHY 1150	5	PHY 1151	5
MAT 1110	4	MAT 1120	4
ENG 1000	3	ENG 1100	3
HUM elect.	3	HUM elect.	3
PE	1	PE	1
	16		16
SECOND YEAR			
PHY 2010	4	PHY 2020	4
PHY 3630	3	PHY 2210	2
MAT 2130	4	MAT 3130	3
HUM elect.	3	CS 1400/1440	3
HUM/SS elect.	3	HUM/SS elect.	3
	17		16
THIRD YEAR			
PHY 3010	3	PHY 3020	5
PHY 3210	3	CHE 1102 or TEC 3001	4/3
CHE 1101	4	CHE 1101	3
HUM/SS elect.	3	HUM/SS elect.	3
SS elect.	3	SS elect.	3
	16		16/15
FOURTH YEAR			
PHY 4210	3	PHY elect.	3/4
MAT 4310	3	Concentration Elect.	3
Concentration Elect.	4/3	Concentration Elect.	3
Concentration Elect.	3	Concentration Elect.	3
SS elect.	3	SS elect.	3
	16/15		16/15