4 Year B.S. in Applied Physics

Sample Program Outline/Advising Guide

Fall		Spring	
FIRST YEAR			
PHYS 123 & 124: Analyt Phys I & Lab	4	PHYS 125 & 126: Analyt. Phys II & Lab	4
R/MATH 221: Calculus I	4	MATH 222: Calculus II	4
INTD 105 or F/	3	F/ or INTD 105	3
Foreign Language or S/	3	S/ or Foreign Language	3
Elective	1		
Total	**15**	Total	**14**
SECOND YEAR			
PHYS 223: Analytical Physics III	3	PHYS 224: Analytical Physics IV	3
PHYS 226: Optics & Modern Phys Lab	1	PHYS 228: Math Methods in Physics	2
MATH 223: Calculus III	4	MATH 326: Differential Equations	3
CSCI 119 or 120	3	Lab Science II	4
N/Lab Science I	4	CSCI	3
Total	**15**	Total	**15**
THIRD YEAR			
PHYS 311: Classical Mechanics	3	PHYS 341: Seminar in Physics	1
PHYS 362: Intermediate Laboratory	2	PHYS 363 (I&I) OR 372 (Und. Res.)	2
Physics 300-level Elective	3	Phys 313 OR 332 OR CSci 230	3
HUMN 220: Humanities I	4	HUMN 221: Humanities II	4
S/	3	F/	3
		Elective	3
Total	**15**	Total	**16**
FOURTH YEAR			
Physics 300-level Elective	3	Phys 313 OR 332 OR CSci 230	3
Elective	3	Physics 300-level Elective if CSci 230	3
Elective	3	U/	3
Elective	3	Elective	3
M/	3	Elective	3
Total	**15**	Total	**15**

Total Semester Hours = **120**

Special instructions:
Minor in Chem/Bio/Geol/Math/CSci
Natural Science requirement satisfied by program requirement
Two courses in CSci
Two of the following three courses:
PHYS 313: Applied Mechanics
PHYS 332: Electric Circuit Analysis
CSci 230: Digital Electronics
-->If CSci 230 is elected, need 9 additional physics elective credits.
-->If CSci 230 is not elected, need only 6 additional physics elective credits.