

SAMPLE FOUR-YEAR CURRICULUM

B. S. - Engineering Physics with Computer Science Minor

First Year

<u>First Semester</u>			<u>Second Semester</u>		
PHY 181.F	The Physical World	4	PHY 182.F	The Physical World	4
PHY 183	Physics Laboratory	1	PHY 184	Physics Laboratory	1
MTH 151 or 153	Calculus I	4-5	MTH 251	Calculus II	4
Foreign Lang		4	Foreign Lang		3
ENG 111	College Composition	3	ENG 112	Composition & Literature	3
		16-17			15

Second Year

<u>First Semester</u>			<u>Second Semester</u>		
PHY 291	Contemporary Physics	4	PHY 292	Electronic Instrumentation	3
PHY 293	Contemporary Physics Laboratory	2	PHY 294	Electronic Instrumentation Lab	2
MTH 252	Calculus III	4	PHY 286	Computational Physics	3
MTH 222	Linear Algebra	3	MTH 347	Differential Equations	3
Foreign Lang		3	Miami Plan Foundation		3
		16	Elective		3
					17

Third Year

<u>First Semester</u>			<u>Second Semester</u>		
PHY 341	Mathematical Methods in Physics	4	PHY 400	Seminar	1
PHY 400	Seminar	1	CSA 271	Object-Oriented Programming	3
CSA 174	Fundamentals of Programming And Problem Solving	3	CSA	elective for minor	3
Miami Plan Foundation		3	Miami Plan Foundation		3
Miami Plan Foundation		3	Miami Plan Foundation		3
Elective		3	Elective		3
		17			16

Fourth Year

<u>First Semester</u>			<u>Second Semester</u>		
PHY 400	Seminar	1	PHY 400	Seminar	1
CSA	elective for minor	3	CSA	elective for minor	3
CSA	elective for minor	3	Capstone		3
Miami Plan Foundation		3	Electives		9
Miami Plan Foundation		3			
Elective		3			
		16			16

Note that the Thematic Sequence requirement is satisfied by MTH 222, 252, and 347 or by the minor in computer science.