Physics BA Sample Curriculum

Course#	Description	Credit Hrs		Course#	Description	Credit Hrs
			1st YEAR			
FALL SEMESTER				SPRING SEMESTER		
PHYS 200	**Seminar**	1		**PHYS 211/211L**	**Physics I**	4
Math 170	Calculus I	4		Math 175	Calculus II	4
Chem 111	Princ. of Chem. I	4		Chem 112	Princ. of Chem. II	5
ISem 101	Integrative Sem.	3			General Core	3
Engl 102	Comm. Req. I	3				
	Total =	15			Total =	16
			2nd YEAR			
FALL SEMESTER				SPRING SEMESTER		
PHYS 212/212L	**Physics II**	4		**PHYS 213/213L**	**Physics III**	4
Math 275	Calculus III	3		**PHYS 305**	**Modern Physics**	3
Math 330	Linear Algebra (elective †)	3		Math 310	ODE (elective †)	3
	General Core	3			Comm. Req. II ($)	3
	Free Elective	3			**Free Elective**	3
	Total =	16			Total =	16
			3rd YEAR			
FALL SEMESTER				SPRING SEMESTER		
PHYS 321	**Classical Mechanics I**	3			**PHYS Elective**	3
PHYS 341	**Electromagnetism I**	3				
	Additional Hum.	3			**PHYS Elective**	3
	General Core	3			*Additional Soc. Sci.*	3
	General Core	3			General Core	3
ISem 301	Integrative Sem.	1			**Free Elective**	3
	Total =	16			Total =	15
			4th YEAR			
FALL SEMESTER				SPRING SEMESTER		
	PHYS Elective	3			*General Core*	3
	PHYS Elective	3			*Free Elective*	3
	Free Elective	3			*Free Elective*	3
	Free Elective	3			*Free Elective*	4
				Phys 407 or 492	*Senior Experience*	1
	Total =	12			Total =	14

Draft BA credit break-down and notes:

Physics Required (Specific)			22	
Physics Required (Elective)			12	*Actually, a minimum of 11 cr of Phys. 300+ are required.*
Total Physics Required		34		
Math Required		17		
Chemistry Required		9		
Additional Hum and S.S. Required		6		The BA requires 1 humanities and 1 social science course beyond those required for the BS.
General Core, Comm.		29		
Free Electives		25		
	TOTAL =	**120**		
† MATH 330 (Lin. Alg., Fall) and MATH 310 (O.D.E., Spring) are highly recommended for satisfying the 6 cr. math req.				
($) ENG 317 (Technical Writing) is highly recommended to fulfill the Comm. II requirement.				
University Requirements: 120 cr for Baccalaureate degree with at least 36 cr numbered 300 and above				