Physics BA Sample Curriculum

Course#	*Description*	*Credit Hrs*		*Course#*	*Description*	*Credi t 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
	General Core	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***	2
PHYS 341	**Electromagnetism I**	3		**PHYS 351**	**Q.M. I**	3
	Additional Hum.	3			**PHYS Elective***	3
	Free Elective	3			*Additional Soc. Sci.*	3
	General Core	3			General Core	3
					Free Elective	3
	Total =	15			Total =	17
			4th YEAR			
FALL SEMESTER				SPRING SEMESTER		
PHYS 433 or Chem 495	**Stat. Thermo.**	3			*General Core*	3
	PHYS Elective*	3			***Free Elective***	3
	Free Elective	3			***Free Elective***	3
	Free Elective	3			***Free Elective***	4
	Total =	12			Total =	13

Draft BA credit break-down and notes:

Physics Required (Specific)			28	**Required Physics Classes for BA**
Physics Required (Elective)			8	*Required non-Physics Classes for BA*
Total Physics Required		36		General Core Classes
Math Required		17		***Free Electives***
Chemistry Required		9		
Hum and S.S. Required		6		
General Core, Comm.		24		
Free Electives		28		
	TOTAL =	**120**		

The BA requires 1 humanities and social science courses beyond those required for the BS.

Compared to the BS, the BA does not require 3 of the 5 physics electives, PHYS 371 or PHYS 342.

* A minimum of 6 credits of Physics electives are required with course number 300 or higher excluding PHYS 490.

† 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