

B.S. Physics: Typical 4-Year Sequence

Concentration: Physics for Medical Sciences

Freshman Year		Hrs	Hrs
PHYS 2110/2111 – Sci/Eng Phys I	4	PHYS 2120/2121 – Sci/Eng Phys II	4
MATH 1910 – Calculus I	4	MATH 1920 – Calculus II	4
CHEM 1110/1111 – Gen Chem I	4	BIOL 1110/1111 – Gen Biology I	4
ENGL 1010*	3	ENGL 1020*	3
Semester Total	15		15
Sophomore Year			
PHYS 3010 – Modern Phys	3	PHYS 3011 – Meth Theor Phys	3
MATH 2110 – Calculus III	4	MATH 3120 – Diff Equations	3
CHEM 1120/1121 – Gen Chem II	4	BIOL 1120/1121 – Gen Biology II	4
COMM 2381*	3	ENGL 2201 or 2202*	3
		Social Science/B.S.	3
Semester Total	14		16
Junior Year			
PHYS 3111 – Mechanics	3	PHYS 3211 – Electricity/Magnetism	3
CHEM 3310/3301 – Organic Chem	4	PHYS 3060 – Adv Phys Meth	3
BIOL 3130 – Cell Biology	3	Humanities/B.S.	3
Foreign Language/B.S	3	Foreign Language /B.S.	3
History*	3	History *	3
Semester Total	16		15
Senior Year			
PHYS 4211 – Waves & Optics	3	PHYS 4510 – Thermal/Stat Phys	3
CHEM 3511/3501 – Biorg Chem	4	CHEM 4511 – Biochem	3
Humanities*	3	Humanities*	3
Social/Behavioral Sciences*	3	Social/Behavioral Sciences*	3
Elective	1	Elective	3
Semester Total	14		15

Total hours: 120

Total hours required for graduation: 120

* Must satisfy University General Education Program Requirement