

B.S. Physics: Typical 4-Year Sequence

Concentration: Applied Physics

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	PHYS 2990 – Research Physics I	1
EECE 1202 – Elec/Comp Eng Concepts	3	MATH 1920 – Calculus II	4
ENGL 1010*	3	MECH 1314 – Mech Eng Computing	2
		ENGL 1020*	3
Semester Total	14		14
Sophomore Year			
PHYS 3010 – Modern Phys	3	PHYS 3011 – Meth. Theor. Phys	3
MATH 2110 – Calculus III	4	UD PHYS/CIVL/MECH	3
CHEM 1110/1111 – Gen Chem I	4	MATH 3120 – Diff Equations	3
EECE 2201 – Circuit Analysis I	4	CHEM 1120/1121 – Gen Chem II	4
		Social/Behavioral Sciences*	3
Semester Total	15		16
Junior Year			
PHYS 3111 – Mechanics	3	PHYS 3211 – Electricity/Magnetism	3
UD PHYS/CIVL/MECH	3	UD PHYS/CIVL/MECH	3
PHYS 3990 – Research Physics II	2	COMM 2381*	3
ENGL 2201 or 2202*	3	Social Science/B.S.	3
History *	3	History*	3
Elective	2		
Semester Total	16		15
Senior Year			
PHYS 4410 – Quantum Phys	3	PHYS 4510 – Thermal/Statistical Phys	3
PHYS 4211 – Waves & Optics	3	Humanities*	3
Foreign Language /B.S.	3	Foreign Language/B.S.	3
Humanities/B.S.	3	Social/Behavioral Sciences*	3
Humanities*	3	Elective	3
Semester Total	15		15

Total hours: 120

Total hours required for graduation: 120

* Must satisfy University General Education Program Requirement