

B.S. Physics: Typical 4-Year Sequence

Concentration: Materials Science

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
Foreign Language /B.S.	3	Foreign Language/B.S.	3
ENGL 1010*	3	ENGL 1020*	3
Semester Totals	14		14
Sophomore Year			
PHYS 3010 – Modern Phys	3	PHYS 3011 – Meth Theor Phys	3
MATH 2110 – Calculus III	4	MATH 3120 – Diff Equations	3
CHEM 1110/1111 – Gen Chem I	4	CHEM 1120/1121 – Gen Chem II	4
COMM 2381*	3	Humanities*	3
Elective	2	Social/Behavioral Sciences*	3
Semester Totals	16		16
Junior Year			
PHYS 3111 – Mechanics	3	PHYS 3211 – Electricity/Magnetism	3
UD PHYS/MECH/CIVL	3	PHYS 4510 – Thermal/Stat Phys	3
History*	3	PHYS 4720 – Materials Phys	3
ENGL 2201 or 2202*	3	History*	3
Social/Behavioral Sciences*	3	Humanities*	3
Semester Totals	15		15
Senior Year			
PHYS 4410 – Quantum Phys.	3	PHYS 4610 – Solid State Phys.	3
PHYS 4211 – Waves & Optics	3	PHYS 4994 –Research Materials Phys	3
PHYS 4820 – Materials Phys Lab	3	Social Science/B.S.	3
Humanities/B.S.	3	Elective	3
Elective	3	Elective	3
Semester Totals	15		15

Total hours: 120

Total hours required for graduation: 120

* Must satisfy University General Education Program Requirement