

Physics, B.S.

Course	Title	Semester Credit Hours
Freshman Year		
Semester 1		
Rhetoric & Composition		3
American History		3
MATH 2413	Calculus I	4
PHYS 2325 & PHYS 2125	University Physics I and University Physics I Lab	4
UNIV 1201	Learning in Global Context	2
Semester Credit Hours		16
Semester 2		
Rhetoric & Composition		3
American History		3
MATH 2414	Calculus II	4
PHYS 2326 & PHYS 2126	University Physics II and University Physics II Lab	4
Semester Credit Hours		14
Sophomore Year		
Semester 1		
MATH 3415	Calculus III	4
PHYS 3343	Modern Physics I	3
Government/Political Science		3
Communication		3
Social/Behavioral		3
Semester Credit Hours		16
Semester 2		
CSEN 2304	Introduction to Computer Science	3
MATH 3320	Differential Equations	3
Government/Political Science		3
Creative Arts		3
Lang/Phil/Culture		3
Semester Credit Hours		15
Junior Year		
Semester 1		
PHYS 3313	Mechanics I	3
PHYS 4303	Math Methods for Physicists	3
Elective		3
Elective		3
Minor ¹		3
Semester Credit Hours		15
Semester 2		
PHYS 3310	Advanced Physics Laboratory	3
PHYS 3323	Electromagnetic Field Theory	3
Elective		3
Minor ¹		3
Minor ¹		3
Semester Credit Hours		15

Senior Year**Semester 1**

PHYS 3333	Thermodynamics	3
PHYS 4191	Physics Research Project	1
PHYS 4353	Quantum Physics	3
Elective		3
Minor ¹		3
PHYS, ADV.		3
Semester Credit Hours		16

Semester 2

PHYS 4192	Physics Research Seminar (WI)	1
PHYS 4360	Nuclear Physics	3
Minor, ADV. ¹		3
Minor, ADV. ¹		3
PHYS, ADV.		3
Semester Credit Hours		13
Total Credit Hours Required:		120

¹ Or any other mathematics, natural science, engineering, or computer science course, provided a recognized minor is completed and the student will complete 45 advanced hours including those required in a minor. Courses in other supporting areas may also be substituted with departmental approval.