

PHYSICS, BS

This sequence is a suggestion. It's certainly not the only way to fulfill the requirements.

Course Sequencing

First Year

Fall		Hours
COSC 1435	Introduction to Problem Solving with Computers I	4
USSE 1201	University Seminar	2
MATH 2413	Calculus I	4
ENGL 1301	Writing and Rhetoric I	3
HIST 1301	U.S. History to 1865	3
Hours		16

Spring

MATH 2414	Calculus II	4
ENGL 1302 or COMM 1311	Writing and Rhetoric II or Foundation of Communication	3
HIST 1302	U.S. History Since 1865	3
PHYS 2425	University Physics I	4
Hours		14

Second Year

Fall		Hours
PHYS 2426	University Physics II	4
MATH 2415	Calculus III	4
Language, Philosophy & Culture Core Requirement		3
Creative Arts Core Requirement		3
POLS 2305	U.S. Government and Politics	3
Hours		17

Spring

PHYS 3334	Modern Physics I	3
MATH 3315	Differential Equations	3
COSC 1436	Introduction to Problem Solving with Computers II	4
Social and Behavioral Sciences Core Requirement		3
POLS 2306	State and Local Government	3
Hours		16

Third Year

Fall		Hours
PHYS 3331	Mechanics I	3
PHYS 3332	Electromagnetism	3
PHYS 3490	Selected Topics	3
MATH 3311	Linear Algebra	3
Elective		3
Hours		15

Spring

PHYS 4330	Mathematical Methods for Physicists	3
PHYS 4340	Advanced Physics Lab	3
PHYS 3490	Selected Topics	3
Support Field		3

Elective	3
Hours	15

Fourth Year

Fall

PHYS 4335	Quantum Physics	3
PHYS 4161	Physics Research Project	1
PHYS 3333	Thermodynamics	3
Support Field		3
Elective		3
UL Support Elective		3

Hours 16

Spring

PHYS 4337	Nuclear Physics	3
PHYS 4162	Physics Research Seminar	1
UL Support Field		3
UL Support Field		3
Elective		3
PHYS 4085	Major Field Test in Physics (Must be taken in last semester.)	0

Hours 13

Total Hours 122