

Physics Major (B.A.) Checklist (Fall 2020)

Course(s)	Suggested Year	Done	Need
Prerequisite Courses			
* MATH 121 Calculus I	FR		
* MATH 122 Calculus II	FR		
Core Courses (6.5 Units)			
PHYS 190 Physics & Engineering Colloquium	FR		
PHYS 201 Newtonian Mechanics	FR		
PHYS 202 Electricity and Magnetism	SO		
PHYS 203 Atomic, Molecular, & Optical Physics	SO		
PHYS 270 Math Methods for Physics	SO		
PHYS 310 Experimental Analysis	JR		
PHYS 490 Senior Seminar: Physics Capstone	SR		
Core Course Selection (CHOOSE ONE)			
PHYS 330 Theoretical Mechanics	JR/SR		
PHYS 350 Electromagnetic Theory	JR/SR		
PHYS 370 Thermal Physics	JR/SR		
PHYS 390 Quantum Mechanics	JR/SR		
Cross-Disciplinary Course (CHOOSE ONE)			
ENGS 191, 192, 490, or 491			
CPSC 120 (Programming) or 170 (Fundamentals)			
CHEM 111, 117 (General Chemistry I), 112, or 118 (General Chemistry II)			
BIOL 190 (Exploring Unity in Biology) or 210 (Cell Biology)			
NEUR 330 (Principles of Neuroscience) or 406 (Independent Study)			
Any MATH course at the 200-level or above: _____			
Other Elective			
Additional PHYS course at the 200-level or above, or ENGS 301, 302, 303, or 304: _____			

* Note that MATH 121 and MATH 122 are prerequisites for PHYS 201 and PHYS 202 but do not count as part of the physics major itself.

Note that this check sheet is intended as a guide; the Academic Catalog contains more details and nuances, and students are encouraged to check that book along with the academic advisors as needed.