

## PHYSICS BA DEGREE

### Suggested Schedule for Freshman Start

	Fall		Spring	
Freshman	MATH-112 PHYS-151	Calculus II Physics I	MATH-211 PHYS-152	Multivariable Calculus Physics II
Sophomore	MATH-212 PHYS-253	Differential Equations Modern Physics	PHYS-212	Computational Modeling
Junior	PHYS-???	Core Theory Course*	PHYS-444	Adv. Undergrad Lab.
Senior	PHYS-???	Elective 1	PHYS-???	Elective 2

*Note: These are merely suggested, sample schedules. And more tailoring to your individual situation is possible too...please feel free to reach out to your advisor and/or the physics department's Director of Undergraduate Studies.*

*Be mindful that most core physics courses are only offered once per year (either always in Fall or always in Spring). Electives can switch around year to year, and PHYS-444 is often offered both in Fall and Spring.*

### Suggested Schedule for Sophomore Start

	Fall		Spring	
Freshman	MATH-111	Calculus I	MATH-112	Calculus II
Sophomore	PHYS-151 MATH-211	Physics I Multivariable Calculus	PHYS-152 PHYS-212	Physics II Computational Modeling
Junior	PHYS-253 MATH-212	Modern Physics Differential Equations	PHYS-???	Elective 1
Senior	PHYS-444 PHYS-???	Adv. Undergrad Lab. Core Theory Course*	PHYS-???	Elective 2

### Schedule for Junior Start (First two years at Oxford or elsewhere)

*Note: PHYS 151, 152, 253, and 212 are all offered at Oxford  
(as are MATH 111, 112, 211, and 212)*

*and could be completed in a student's freshman and sophomore years there.*

	Fall		Spring	
Freshman	MATH-111	Calculus I	MATH-112	Calculus II
Sophomore	PHYS-151 MATH-211	Physics I Multivariable Calculus	PHYS-152 MATH-212	Physics II Differential Equations
Junior	PHYS-253	Modern Physics	PHYS-212 PHYS-???	Computational Modeling Elective 1
Senior	PHYS-444 PHYS-???	Adv. Undergrad Lab. Core Theory Course*	PHYS-???	Elective 2

\*The Core Theory Course is PHYS 361 (Fall), PHYS 365 (Spring), PHYS 421 (Fall), or PHYS 461 (Spring); adjust the schedule according to the semester of the course you choose. Note that PHYS 361 is the only one of those four that does not require PHYS 220 (Math Methods...a Fall class) as pre-requisite. If you're interested in PHYS 365, 421, or 461 then PHYS 220 can count as one of your two electives (in addition to serving as a pre-requisite).

The electives must be 200-level or higher. You're encouraged to pick an additional core theory course as an elective. One of the electives may be satisfied by four credits of either directed study or research. (All four credits must be earned in one semester for one course: 397, 495, or 499.)