

## PHYSICS AND ASTRONOMY BS DEGREE

### **Suggested Schedule for Freshman Start**

	<b>Fall</b>	<b>Spring</b>
Freshman	MATH-112      Calculus II PHYS-151      Physics I <i>PHYS-116      Intro. Astro. is recommended                          at some point in your first two years</i>	MATH-211      Multivariable Calculus PHYS-152      Physics II
Sophomore	MATH-212      Differential Equations PHYS-220      Math for Science & Eng. PHYS-253      Modern Physics	PHYS-212      Computational Modeling PHYS-365      Electricity & Magnetism
Junior	PHYS-361      Classical Mechanics PHYS-421      Thermo. & Stat. Mech.	PHYS-311/312      Astrophysics PHYS-461      Quantum Mechanics
Senior	PHYS-444      Adv. Undergrad Lab.	PHYS-311/312      Astrophysics

*Note: These are merely suggested, sample schedules. The one above is quite accelerated. Others, like the one below, reflect a gentler first two years. 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**

	<b>Fall</b>	<b>Spring</b>
Freshman	MATH-111      Calculus I <i>PHYS-116      Intro. Astro. is recommended                          at some point in your first two years</i>	MATH-112      Calculus II
Sophomore	PHYS-151      Physics I MATH-211      Multivariable Calculus	PHYS-152      Physics II PHYS-212      Computational Modeling MATH-212      Differential Equations
Junior	PHYS-253      Modern Physics PHYS-220      Math for Science & Eng.	PHYS-311/312      Astrophysics PHYS-365      Electricity & Magnetism
Senior	PHYS-361      Classical Mechanics PHYS-421      Thermo. & Stat. Mech. PHYS-444      Adv. Undergrad Lab.	PHYS-311/312      Astrophysics PHYS-461      Quantum Mechanics

### **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.*

	<b>Fall</b>	<b>Spring</b>
Freshman	MATH-111      Calculus I <i>PHYS-116      Intro. Astro. is recommended                          at some point in your first two years</i>	MATH-112      Calculus II
Sophomore	PHYS-151      Physics I MATH-211      Multivariable Calculus	PHYS-152      Physics II MATH-212      Differential Equations
Junior	PHYS-253      Modern Physics PHYS-220      Math for Science & Eng.	PHYS-212      Computational Modeling PHYS-311/312      Astrophysics PHYS-365      Electricity & Magnetism
Senior	PHYS-361      Classical Mechanics PHYS-421      Thermo. & Stat. Mech. PHYS-444      Adv. Undergrad Lab.	PHYS-311/312      Astrophysics PHYS-461      Quantum Mechanics