

PHYSICS COURSE ROTATIONS

Not all upper-level physics courses are offered each year due to the small size of the department. However, courses are offered in a rotation that ensures on-time graduations and provides students access to all courses with a little planning.

FALL EVEN YEARS

1950 Physics Gateway
3504 Experimental Physics I
3600 Thermodynamics
3750 Electricity & Magnetism I
4200 Intro to Quantum Mechanics
4350 Astrophysics
4500 Biological Physics

FALL ODD YEARS

1950 Physics Gateway
3504 Experimental Physics I
3600 Thermodynamics
3750 Electricity and Magnetism I
4200 Intro to Quantum Mechanics
3500 Elements of Electronics
4550 Physics in Medicine

SPRING ODD YEARS


2130 Modern Physics
3524 Experimental Physics II
3250 Mathematical Methods
3300 Intro to Biomedical Physics
3450 Classical Mechanics
3800 Optics
3760 Electricity & Magnetism II


SPRING EVEN YEARS


2130 Modern Physics
3524 Experimental Physics II
3250 Mathematical Methods
3300 Intro to Biomedical Physics
3450 Classical Mechanics
3800 Optics
4210 Quantum Theory

Courses shown in bold rotate every other year.




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4-YEAR ROAD MAPS PHYSICS B.S.



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PHYSICS B.S. (CALCULUS PLACEMENT)

This road map is for students that place into calculus their first semester and are completing the B.S. in physics degree with no concentration. Courses **highlighted in bold** can be swapped between Year 3 and Year 4 based on student interest.

PHYSICS B.S. (PRE-CALCULUS PLACEMENT)

This road map is for students that place into pre-calculus their first semester and want to avoid summer classes. Students that take General Physics I and Calculus II in their first summer can be caught up in Year 2 for more flexibility.

	FALL	SPRING		FALL	SPRING
Year 1	PHYS 1950 Physics Gateway MATH 1950 Calculus I	PHYS 2110 General Physics I PHYS 1154 Physics Laboratory I MATH 1960 Calculus II		PHYS 1950 Physics Gateway MATH 1340 Algebra and Trig	MATH 1950 Calculus I
Year 2	PHYS 2120 General Physics II PHYS 1164 Physics Laboratory II MATH 1970 Calculus III	PHYS 2130 Modern Physics PHYS 3250 Mathematical Methods		PHYS 2110 General Physics I PHYS 1154 Physics Laboratory I MATH 1960 Calculus II	PHYS 2120 General Physics II PHYS 1164 Physics Laboratory II PHYS 3300 Intro to Biomed. Physics MATH 1970 Calculus III
Year 3	PHYS 3600 Thermodynamics PHYS 3504 Experimental Physics I PHYS 3750 Electricity & Mag. I	PHYS 3450 Classical Mechanics PHYS 3525 Experimental Physics II PHYS 3800 Optics		PHYS 3600 Thermodynamics PHYS 3504 Experimental Physics I PHYS 3500/4500 Elements of Electronics or Biological Physics	PHYS 2130 Modern Physics PHYS 3250 Mathematical Methods PHYS 3525 Experimental Physics II
Year 4	PHYS 4200 Intro to Quantum PHYS 3500/4350 Elements of Electronics or Astrophysics	PPHYS 4950 Senior Project PHYS 3760/4210 Electricity & Magnetism II or Quantum Theory		PHYS 3750 Electricity & Mag. I PHYS 4200 Intro to Quantum	PHYS 3450 Classical Mechanics PHYS 3800 Optics PHYS 4950 Senior Project

These plans are examples. Please see a physics advisor to make a custom plan.

PHYS 3250 can be replaced with MATH 2050 and MATH 2350