### **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

#### SPRING ODD YFARS

2130 Modern Physics

3524 Experimental Physics II

1950 Physics Gateway 3504 Experimental Physics I 3600 Thermodynamics 3750 Electricity & Magnetism I 4200 Intro to Ougntum 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 Ougntum Mechanics 3500 Elements of Electronics 4550 Physics in Medicine
- 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.

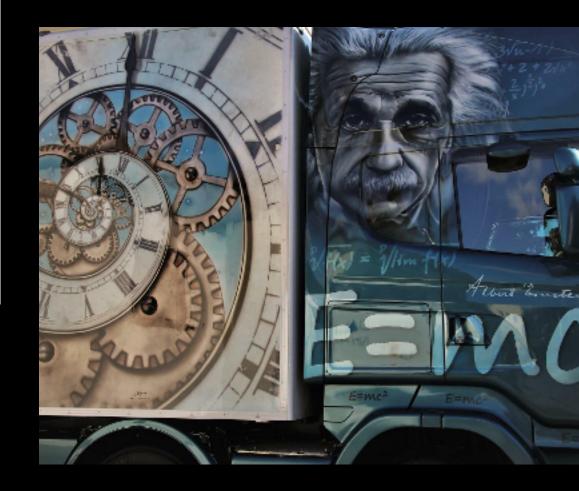
## UNIVERSITY OF NEBRASKA AT OMAHA PHYSICS DEPARTMENT

🔢 Durham Science Center	🔗 6001 Dodge Street, Omaha, NE 68182	
🔀 physics.unomaha.edu	unophysics@unomaha.edu	6 402.554.2511

The University of Nebraska does not discriminate based on race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation in its education programs or activities, including admissions and employment. The University prohibits any form of retaliation being taken against anyone for reporting discrimination, harassment, or retaliation for otherwise engaging in protected activity. MCTEMP2023



# UNIVERSITY OF NEBRASKA AT OMAHA PHYSICS DEPARTMENT **4-YEAR ROAD MAPS PHYSICS B.S.**



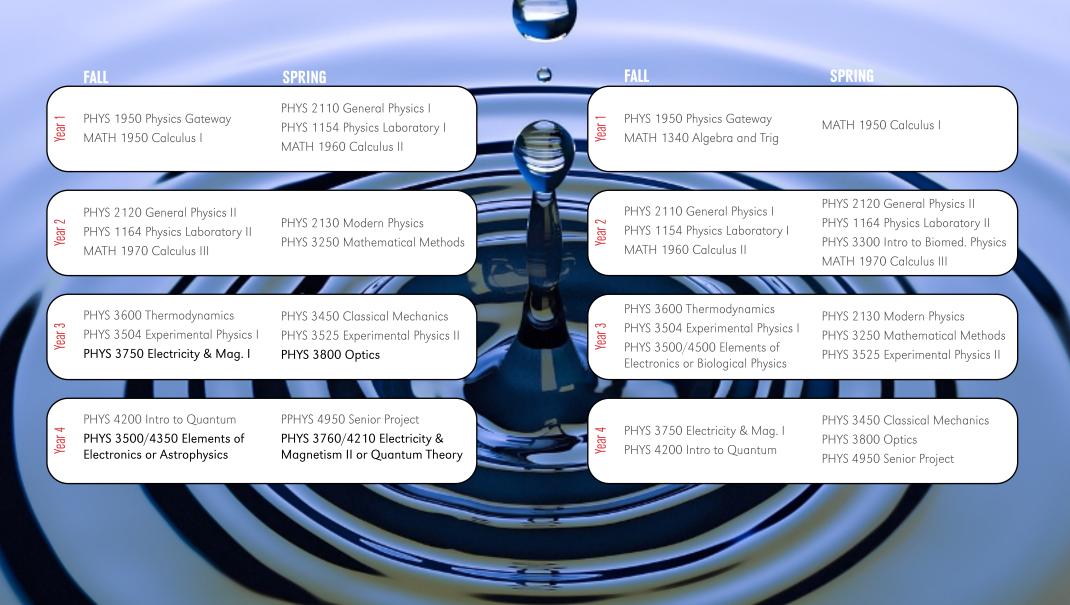


## **PHYSICS B.S. (CALCULUS PLACEMENT)**

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.



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