Physics (BA)

UNIVERSITY of WASHINGTON | BOTHELL
SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

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- This is a suggested schedule of courses based on degree requirements. Actual degree plan may differ depending on course of study selected, number of starting credits, or starting admission point. Please review degree audit carefully.
- This guide is not a substitute for academic advising or the degree audit. Contact your academic advisor with questions about scheduling, unique interests, or BA degree requirements. Some physics electives may require upper division math not necessarily required for BA.
- Competitive applicants to Physics will have the following: 1. All prerequisites completed, 2. 3.0 grade in each prerequisite, 3. Cumulative GPA of 3.0. Most applicants who satisfactorily meet prerequisites are typically (but not always) admitted.
- *All classes are 5 credits unless followed by a parenthesis with a number, indicating the number of credits.*
- *Refer to the time schedule for up to date course offerings; including quarters, days and times*

	Autumn	Winter	Spring
Year 1	◇ **B PHYS 121 – Mechanics**	◇ **B PHYS 122 – Electromagnetism**	◇ **B PHYS 123 – Waves**
	◇ **STMATH 124 – Calculus I**	◇ **STMATH 125 – Calculus II**	✔STMATH 126 - Calculus III
	❖ A & H	❖ SSc	Elective/Minor Coursework

Calculus II (STMATH 125) is a prerequisite for Differential Equations (STMATH 207). STMATH 207 is a prerequisite for BPHYS 222 and BPHYS 221, but may be taken concurrently.

	Autumn	Winter	Spring
Year 2	B WRIT 134 Composition	B WRIT 135 Research Writing (or other 5 credit "W" course)	✔B PHYS 221 Classical Mechanics
	✔ B PHYS 222 Modern Physics	✔ B PHYS 224 Thermal Physics	Elective/Minor Coursework
	✔STMATH 207 Differential Equations (prerequisite for B PHYS 222 but may be taken concurrently)	BCHEM 143 (4 cr) + 144 lab (2 cr)	A & H

Completion 200-level Physics (BPHYS 224, 222, 221) and STMATH 207. Strongly recommended to review 300- or 400-level Physics elective options to determine prerequisites for those classes. Additional math may be required.

	Autumn	Winter	Spring
Year 3	Elective/Minor Coursework	Elective/Minor Coursework	B PHYS Elective
	Elective/Minor Coursework	B PHYS Elective	Elective/Minor Coursework
	B PHYS 494 Seminar (C/NC; 1 credit)	Elective/Minor Coursework	SSc/ Diversity (DIV) course
	A & H		

	Autumn	Winter	Spring
Year 4	Elective/Minor Coursework	Elective/Minor Coursework	B PHYS 433 Senior Project
	Elective/Minor Coursework	Elective/Minor Coursework	Elective/Minor Coursework
	B PHYS 484 Physics in Society and Industry (also a "W" and "SSc")	Elective/Minor Coursework	Elective/Minor Coursework

❖ fulfilled with Discovery Core
◇ **Prerequisite: Required to apply for major**
✔ milestones: Courses & requirements needed to progress.

This Map is a suggested sequence of the current curriculum which may be altered to carry out the academic objectives of the University. The University specifically reserves the right to change the student's current map at any time within the student's period of study.
Last updated: 09/22/2022