

Physics



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. The actual degree plan may differ depending on the course of study selected, the number of starting credits, or the starting admission point.
- This guide is not a substitute for academic advising. Contact your academic advisor with questions about scheduling, unique interests, or degree requirements.
- Applicants who are generally competitive to Physics will have the following: 1. All prerequisites completed or 1-2 in progress by time of review, 2. 3.0 grade in each prerequisite, 3. Cumulative GPA of 3.0.

	Autumn	Winter	Spring
Year 1	◆ PHYS 121 - Mechanics	◆ PHYS 122 – Electromagnetism	◆ PHYS 123 – Waves
	◆ STMATH 124 - Calculus with Analytical Geometry I	◆ STMATH 125 - Calculus with Analytical Geometry II	✓STMATH 126 Calculus with Analytical Geometry III
	❖ VLPA	❖ I & S	❖ VLPA
<i>Calculus II (STMATH 125) is a prerequisite for Differential Equations (STMATH 307). Calculus III is a prerequisite for Matrix Algebra (STMATH 308) and Multivariable Calculus (STMATH 324).</i>			
	Autumn	Winter	Spring
Year 2	B WRIT 134 Composition	B WRIT 135 Research Writing	✓B PHYS 221 Classical Mechanics
	✓B PHYS 224: Thermal Physics	✓B PHYS 222 Modern Physics	✓B PHYS 317 Mathematical Physics
	✓STMATH 308 Matrix Algebra	✓STMATH 307 Differential Equations	✓STMATH 324 Multivariable Calculus
<i>Completion 200-level Physics (BPHYS 224, 222, 221), 300-level Math (STMATH 307, 308, 324), and Mathematical Physics (BPHYS 317) are all strongly recommended before moving on to any other 300- or 400-level Physics coursework.</i>			
	Autumn	Winter	Spring
Year 3	✓B PHYS 231 Introduction to Experimental Physics	B PHYS 322 Electricity & Magnetism II	B PHYS Elective
	B PHYS 321 Electricity & Magnetism I	B PHYS Elective	Elective/Minor Coursework
	B PHYS 494 Seminar (C/NC)	Elective/Minor Coursework	I & S
	VLPA		
<i>Intro to Experimental Physics (BPHYS 231) is the prerequisite for Experimental Physics Lab I (BPHYS 431). These two courses are only offered in Autumn, so take BPHYS 231 no later than autumn of year 3 to stay on track for 4-year degree completion.</i>			
	Autumn	Winter	Spring
Year 4	B PHYS 324 Quantum Mechanics I	B PHYS Elective	B PHYS Elective
	B PHYS 431 Experimental Physics Lab I	Elective/Minor Coursework	B PHYS 433 Senior Project
	B PHYS 484 Physics in Society and Industry	Elective/Minor Coursework	Elective/Minor Coursework

◆ **Prerequisite: Must be completed prior to applying for a major.**

✓ milestones: Courses and special requirements necessary to timely progress through and complete a major.

❖ may be fulfilled with Discovery Core

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

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: 6/17/19