

DEGREE REQUIREMENTS	CURRICULUM NOTES
<p>Credits: minimum of 180 credits</p> <p>Credits in major: 98</p> <p>GPA cumulative minimum: 2.0</p> <p>GPA major minimum: 2.0</p>	<ul style="list-style-type: none"> The BA in Physics degree is for students planning on careers in teaching, science writing, public policy, business, or in combination with another major. PHYS electives vary from year to year. Typically the PHYS ELECTIVES rotate through the following course possibilities: PHYS/MATH 3450 Numerical Methods; PHYS 3620 Introduction to Astrophysics; PHYS 3630 Introduction to Geophysics; PHYS 4300 Modern Optics for Physicists and Engineers; PHYS 4500 Atomic Physics; PHYS 4700 Solid-State Physics; and PHYS 4860 Particle and Nuclear Physics. But new courses may appear as well Note that PHYS 1000 (2 credits in fall) is not required but is strongly recommended for first-term physics majors. <p>For complete information on courses, prerequisites, etc., use this information in conjunction with the online Catalog (http://catalog.seattleu.edu/) for the current year.</p>

The example below assumes that you enter Seattle University with junior standing (90 credits), have earned a transferable associate's degree, have completed all math requirements through differential equations, and have previously completed the following sophomore-level course: PHYS 2080 Intro to Quantum Physics, or its equivalent. PHYS 4990 Undergraduate Research can be taken any term, with the agreement of a sponsoring faculty member. It is not required but is recommended. Students with AST may have additional core requirements depending on community college coursework.

Your personal program of study may vary from this example due to prior educational experience or individual goals.

	FALL		WINTER		SPRING	
	COURSE	CREDITS	COURSE	CREDITS	COURSE	CREDITS
JUNIOR	PHYS 2500 Math Methods for Physics	4	PHYS 2040 Special Relativity	3	PHYS 2060 Modern Physics Laboratory	3
	PHYS 3100 Classical Mechanics	5	PHYS 3300 Electromagnetic Field Theory	5	PHYS 3850 Quantum Mechanics	5
	CPSC 1220 or ECEGR 2000	5	UCOR 2XXX	5	UCOR 2XXX	5
	PHYS 4990 Undergraduate Research	1	General Elective	5	PHYS Elective	4
SENIOR	PHYS 4100 Advanced Classical Physics	5	PHYS 3700 Advanced Physics Laboratory	4	PHYS Elective	5
	PHYS 4870 Senior Synthesis	3	PHYS 4200 Statistical and Thermal Physics	4	PHYS 4990 Undergraduate Research	1
	Science Elective	5	UCOR 2XXX	5	UCOR 36XX	5
	PHYS 4990 Undergraduate Research	1			General Elective	5

CORE MODULE II REQUIREMENTS	CORE MODULE III REQUIREMENTS	SCHOOL/COLLEGE CORE REQUIREMENTS
UCOR 2100 Theological Explorations	UCOR 3600-3640 Social Sciences Global Challenge	
UCOR 2500 Philosophy of the Human Person		
UCOR 2900-2940 Ethical Reasoning		