

DEGREE REQUIREMENTS	CURRICULUM NOTES
<p>Credits: minimum of 180 credits</p> <p>Credits in PHYS: 55</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. Assumes trigonometry (MATH 1022) not needed due to placement exam or college credit Assumes placement into MATH 1334 by SAT/ACT/SU math placement exam or college credit; students not placing into MATH 1334 will need to take MATH 1021 as an elective 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 From Quarks to the Cosmos (2 cr, 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>

This example assumes you have completed no degree requirements. Your personal program may vary from this due to prior educational experience or individual goals.

	FALL		WINTER		SPRING	
	COURSE	CREDITS	COURSE	CREDITS	COURSE	CREDITS
FRESHMAN	PHYS 1000 From Quarks to the Cosmos	2	PHYS 1210+1211 Mechanics	5	PHYS 1220+1221 Electricity and Magnetism	5
	MATH 1334 Calculus I	5	MATH 1335 Calculus II	5	MATH 1336 Calculus III	5
	UCOR 1XXX	5	UCOR 1XXX	5	UCOR 1XXX	5
	UCOR 1XXX	5				
SOPHOMORE	PHYS 1230+1231 Waves and Optics	5	PHYS 2040 Special Relativity	3	PHYS 2080 Intro to Quantum Physics	4
	MATH 2320 Linear Algebra	3	MATH 2330 Multivariable Calculus	3	PHYS 2060 Modern Physics Laboratory	3
	CPSC 1220 or ECEGR 2000 (Programming)	5	UCOR 2XXX	5	MATH 2340 Differential Equations	4
	UCOR 2XXX	5	General Elective	5	UCOR 2XXX	5
JUNIOR	PHYS 2500 Mathematical Methods for Physics	4	PHYS 3300 Electromagnetic Field Theory	5	PHYS 3850 Quantum Mechanics	5
	PHYS 3100 Classical Mechanics	5	UCOR 3XXX	5	PHYS Elective	5
	UCOR 3XXX	5	General Elective	5	General Elective	5
SENIOR	PHYS 4870 Senior Synthesis	3	UCOR 3XXX	5	PHYS Elective	5
	STEM Elective	5	General Elective	5	General Elective	5
	General Elective	5	General Elective	5	General Elective	5

CORE MODULE I REQUIREMENTS	CORE MODULE II REQUIREMENTS	CORE MODULE III REQUIREMENTS
UCOR 1100 Academic Writing Seminar	UCOR 2100 Theological Explorations	UCOR 3100 Religion in a Global Context
UCOR 1200 Quantitative Reasoning- satisfied in major	UCOR 2500 Philosophy of the Human Person	UCOR 3400-3440 Humanities Global Challenge
UCOR 1300 Creative Expression and Interpretation	UCOR 2900-2940 Ethical Reasoning	UCOR 3600-3640 Social Sciences Global Challenge
UCOR 1400-1440 Inquiry Seminar in the Humanities		
UCOR 1600-1640 Inquiry Seminar in the Social Sciences		
UCOR 1800-1840 Inq Sem in the Natural Sciences- sat in major		