PHYSICS | Bachelor of Arts in Physics | TYPICAL JUNIOR TRANSFER PROGRAM OF STUDY | 2023-2024

DEGREE REQUIREMENTS	CURRICULUM NOTES
Credits: minimum of 180 credits **Credits in PHYS:** 55 **GPA cumulative minimum:** 2.0 **GPA major minimum:** 2.0	• 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. **For complete information on courses, prerequisites, etc., use this information in conjunction with the online Catalog (http://catalog.seattleu.edu/) for the current year.**

The example below assumes that you enter Seattle University with junior standing (90 credits), have earned a transferable associate's degree and have completed all math requirements through differential equations. 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 2080 Intro to Quantum Physics	4
	CPSC 1220 or ECEGR 2000	5	UCOR 2XXX	5	UCOR 2XXX	5
	PHYS 4990 Undergraduate Research	1	General Elective	3	General Elective	3
SENIOR	PHYS 4870 Senior Synthesis	3	PHYS Elective	5	PHYS Elective	5
	STEM Elective	5	UCOR 36XX	5	PHYS 3850 Quantum Mechanics	5
	UCOR 2XXX	5	General Elective	5	General Elective	5
	PHYS 4990 Undergraduate Research	1				

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

COLLEGE OF SCIENCE & ENGINEERING

S&E Advising Center
Bannan 323

Work closely with your academic advisor to plan your program of study and the other co-curricular components of your educational plan.