PHYSICS | Bachelor of Science in Physics | TYPICAL JUNIOR TRANSFER PROGRAM OF STUDY | 2019-2020

DEGREE REQUIREMENTS	CURRICULUM NOTES
Credits: 180 **Credits in major:** 103 **GPA cumulative minimum:** 2.0 **GPA major minimum:** 2.0	**PHYS electives** vary from year to year. Typically rotating through the following course possibilities: *PHYS 3400* Nonlinear Dynamical Systems and Chaos; *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 **The example below assumes you have completed the following prerequisites**: **Enter Seattle University with Junior standing (90 credits)** **Have earned a transferable Associate's degree** **Have completed full year of calculus and calculus based physics, one quarter each linear algebra, multivariable calculus, differential equations** **PHYS 205 Modern Physics** **Students with AST may have additional core requirements depending on community college coursework**

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

[P] Indicates prerequisite required for course [C] Indicates co-requisite required for course

For complete information on courses, pre-requisites, etc., use this information in conjunction with the online Catalog (http://catalog.seattleu.edu/) for the current year.

	FALL		WINTER		SPRING	
	COURSE	CREDITS	COURSE	CREDITS	COURSE	CREDITS
JUNIOR	[P]PHYS 2500 Math Methods for Physics	4	[P]PHYS 2030 Thermodynamics	2	[P]PHYS 2060 Modern Physics Laboratory	3
	[P]PHYS 3100 Classical Mechanics	5	[P]PHYS 3300 Electromagnetic Field Theory	5	[P]PHYS 3850 Quantum Mechanics	5
	ECEGR 1000 Computing for Engineers	5	UCOR 2XXX	5	UCOR 2XXX	5
	UCOR 2XXX	5	General Elective	2	[P]PHYS Elective (3000 level or above)	4
SENIOR	[P]PHYS 4100 Advanced Classical Physics	5	[P]PHYS 3700 Advanced Physics Laboratory	4	[P]PHYS Elective (3000 level or above)	4
	[P]PHYS 4870 Senior Synthesis	3	[P]PHYS 4200 Statistical and Thermal Physics	4	General Elective	5
	Science Elective	5	UCOR 3600	5	General Elective	5

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

SEATTLEU COLLEGE OF SCIENCE AND ENGINEERING

Science and Engineering Advising Center
206.296.2500, Engineering 300
8:30am – 4:30pm Monday - Friday
http://www.seattleu.edu/scieng/advising/

This is a sample plan that is subject to change.
Work closely with your academic advisor to plan your program of study and the other co-curricular components of your educational plan.

Updated 2/15/2020