

DEGREE REQUIREMENTS	CURRICULUM NOTES
<p>Credits: minimum of 180 credits</p> <p>Credits in major: 103</p> <p>GPA cumulative minimum: 2.0</p> <p>GPA major minimum: 2.0</p>	<ul style="list-style-type: none"> *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. 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. PHYS 1000 From Quarks to the Cosmos (2 cr, Fall) is not required but is strongly recommended for first-term freshman physics majors. <p>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.</p> <p>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> <p>^p Indicates prerequisite required for course ^c Indicates co-requisite required for course</p>

	FALL	WINTER	SPRING
	COURSE	COURSE	COURSE
FRESHMAN	PHYS 1000 From Quarks to the Cosmos	^p PHYS 1210 Mechanics	^p PHYS 1220 Electricity and Magnetism
	^p MATH 1334 Calculus I (^c MATH 1022 Trig must be sat)*	^p MATH 1335 Calculus II	^p MATH 1336 Calculus III
	UCOR 1XXX	UCOR 1XXX	UCOR 1XXX
	UCOR 1XXX		
SOPHOMORE	^p PHYS 1230 Waves and Optics	^p PHYS 2030 Thermodynamics	^p PHYS 2050 Modern Physics
	^p MATH 2330 Multivariable Calculus	^p MATH 2320 Linear Algebra	^p PHYS 2060 Modern Physics Lab
	^p ECEGR 1000 Computing for Engineers	UCOR 2XXX	^p MATH 2340 Differential Equations
	UCOR 2XXX	General Elective	UCOR 2XXX
JUNIOR	^p PHYS 2500 Mathematical Methods for Physics	^p PHYS 3300 Electromagnetic Field Theory	^p PHYS 3850 Quantum Mechanics
	^p PHYS 3100 Classical Mechanics	^p PHYS 3700 Advanced Physics Laboratory	^p PHYS Elective (3000 level or above)
	UCOR 3XXX	UCOR 3XXX	General Elective
SENIOR	^p PHYS 4100 Advanced Classical Physics	^p PHYS 4200 Statistical and Thermal Physics	^p PHYS Elective (3000 level or above)
	^p PHYS 4870 Senior Synthesis	General Elective	General Elective
	Science Elective	UCOR 3XXX	General Elective

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 Challenges
UCOR 1300 Creative Expression and Interpretation	UCOR 2900-2940 Ethical Reasoning	UCOR 3600-3640 Social Sciences & Global Challenges
UCOR 1400-1440 Inquiry Seminar in the Humanities		
UCOR 1600-1640 Inquiry Seminar in the Social Sciences		
UCOR 1800 Inquiry Seminar Natural Sci. – satisfied in major		



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

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

Updated 6/4/2016