

DEGREE REQUIREMENTS	CURRICULUM NOTES
<p><b>Credits:</b> minimum of 180 credits</p> <p><b>Credits in major:</b> 90</p> <p><b>GPA cumulative minimum:</b> 2.0</p> <p><b>GPA major minimum:</b> 2.0</p>	<ul style="list-style-type: none"> <li>Assumes trigonometry *(MATH 1022) not needed due to placement exam or college credit</li> <li>Assumes placement into MATH 1334 by SAT/ACT/SU math placement exam or college credit.</li> <li>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.</li> <li>Recommended (but not required) additional physics courses: PHYS 3700 Advanced Physics Laboratory (4 cr, Winter) and PHYS 3850 Quantum Mechanics (5 cr, Spring).</li> <li>PHYS 1000 From Quarks to the Cosmos (2 cr, Fall) is not required but is strongly recommended for first-term freshman physics majors.</li> <li>182 credits as shown</li> </ul> <p>For complete information on courses, pre-requisites, etc., use this information in conjunction with the online Catalog (<a href="http://catalog.seattleu.edu/">http://catalog.seattleu.edu/</a>) 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><sup>p</sup> Indicates prerequisite required for course    <sup>c</sup> Indicates co-requisite required for course</p>

	FALL		WINTER		SPRING	
	COURSE	CREDITS	COURSE	CREDITS	COURSE	CREDITS
<b>FRESHMAN</b>	PHYS 1000 From Quarks to the Cosmos	2	<sup>p</sup> PHYS 1210 Mechanics	5	<sup>p</sup> PHYS 1220 Electricity and Magnetism	5
	<sup>p</sup> MATH 1334 Calculus I (*MATH 1022 Trig must be sat)*	5	<sup>p</sup> MATH 1335 Calculus II	5	<sup>p</sup> MATH 1336 Calculus III	5
	UCOR 1XXX	5	UCOR 1XXX	5	UCOR 1XXX	5
	UCOR 1XXX	5				
<b>SOPHOMORE</b>	<sup>p</sup> PHYS 1230 Waves and Optics	5	<sup>p</sup> ECEGR 1000 Computing for Engineers	5	<sup>p</sup> PHYS 2050 Modern Physics	5
	<sup>p</sup> MATH 2330 Multivariable Calculus	3	<sup>p</sup> MATH 2320 Linear Algebra	3	<sup>p</sup> PHYS 2060 Modern Physics Lab	3
	UCOR 2XXX	5	UCOR 2XXX	5	<sup>p</sup> MATH 2340 Differential Equations	4
			General Elective	5	UCOR 2XXX	5
<b>JUNIOR</b>	<sup>p</sup> PHYS 2500 Mathematical Methods for Physics	4	<sup>p</sup> PHYS 3300 Electromagnetic Field Theory	5	<sup>p</sup> PHYS Elective (PHYS 3850 recommended)	5
	<sup>p</sup> PHYS 3100 Classical Mechanics	5	General Electives	10	UCOR 3XXX	5
	UCOR 3XXX	5			General Elective	5
<b>SENIOR</b>	Science Elective	5	Science Elective	5	Science Elective	5
	<sup>p</sup> PHYS 4870 Senior Synthesis	3	General Electives	10	General Electives	10
	UCOR 3XXX	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 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		



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 206.296.2500, Engineering 300  
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Work closely with your academic advisor to plan your program of study and the other co-curricular components of your educational plan.

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