

DEGREE REQUIREMENTS	CURRICULUM NOTES
<p><b>Credits:</b> 180</p> <p><b>Credits in major:</b> 85</p> <p><b>GPA cumulative minimum:</b> 2.0</p> <p><b>GPA major minimum:</b> 2.0</p>	<p><b>PHYS electives</b> vary from year to year. Typically rotating through the following course possibilities: <i>PHYS 3400</i> Nonlinear Dynamical Systems and Chaos; <i>PHYS 3620</i> Introduction to Astrophysics; <i>PHYS 3630</i> Introduction to Geophysics; <i>PHYS 4300</i> Modern Optics for Physicists and Engineers; <i>PHYS 4500</i> Atomic Physics; <i>PHYS 4700</i> Solid-State Physics; and <i>PHYS 4860</i> Particle and Nuclear Physics</p> <p><b>The example below assumes you have completed the following prerequisites</b></p> <p style="color: red;"><b>Enter Seattle University with Junior standing (90 credits)</b></p> <p style="color: red;"><b>Have earned a transferable Associate's degree</b></p> <p style="color: red;"><b>Have completed full year of calculus and calculus based physics, one quarter each linear algebra, multivariable calculus, differential equations</b></p> <p><b>Students with AST may have additional core requirements depending on community college coursework</b></p>

Your personal program of study may vary from this due to prior educational experience or individual goals.

<sup>P</sup> Indicates prerequisite required for course    <sup>C</sup> 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	
<b>JUNIOR</b>	<sup>P</sup> PHYS 2500 – Math Methods for Physics	4	<sup>P</sup> PHYS 3300 – Electromagnetic Field Theory	5	<sup>P</sup> PHYS 3850 – Quantum Mechanics	5
	<sup>P</sup> PHYS 3100 – Classical Mechanics	5	PHYS 2030 Thermodynamics	2	PHYS Elective	3
	UCOR 3XXX	5	PHYS Elective	3	General Elective	5
			General Elective	5		
<b>SENIOR</b>	<sup>P</sup> PHYS 4870 Senior Synthesis	3	UCOR 3XXX	5	<sup>P</sup> PHYS Elective (3000 level or above)	5
	Science 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 2100 – Theological Explorations	UCOR 3600 – Social Sciences and Global Challenges
	UCOR 2500 – Philosophy of the Human Person	
	UCOR 2900-2940 – Ethical Reasoning	



**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 2/18/2020