

| DEGREE REQUIREMENTS | CURRICULUM NOTES |
|---|--|
| <p>Credits: 180</p> <p>Credits in major: 103</p> <p>GPA cumulative minimum: 2.0</p> <p>GPA major minimum: 2.0</p> | <p>PHYS electives 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>The example below assumes you have completed the following prerequisites</p> <p style="color: red;">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</p> <p>Students with AST may have additional core requirements depending on community college coursework</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 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 | PHYS 2500 Math Methods for Physics | 4 | PHYS 2030 Thermodynamics | 2 | PHYS 2060 Modern Physics Laboratory | 3 |
| | PHYS 3100 Classical Mechanics | 5 | PHYS 3300 Electromagnetic Field Theory | 5 | PHYS 3850 Quantum Mechanics | 5 |
| | ECEGR 1000 Computing for Engineers | 5 | UCOR 2XXX | 5 | UCOR 2XXX | 5 |
| | | | General Elective | 2 | PHYS Elective (3000 level or above) | 4 |
| SENIOR | PHYS 4100 Advanced Classical Physics | 5 | PHYS 3700 Advanced Physics Laboratory | 4 | PHYS Elective (3000 level or above) | 4 |
| | PHYS 4870 Senior Synthesis | 3 | PHYS 4200 Statistical and Thermal Physics | 4 | General Elective | 5 |
| | Science Elective | 5 | UCOR 36XX | 5 | General Elective | 5 |
| | UCOR 2XXX | 5 | | | | |

| CORE MODULE I REQUIREMENTS | 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 | | |



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.

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