

| DEGREE REQUIREMENTS | CURRICULUM NOTES |
|--|---|
| <p>Credits: minimum of 180 credits</p> <p>Credits in major: 135</p> <p>GPA cumulative minimum: 2.5</p> <p>GPA major minimum: 2.5</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 ECEGR elective lecture courses total 16 credits. <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 | ECEGR 1200 – Digital Operations ^p MATH 1334 -- Calculus I (^c MATH 1022 Trig must be sat)* UCOR 1XXX University Core | ^p MATH 1335 – Calculus II ^p PHYS 1210/1211 – Mechanics/Mechanics Lab UCOR 1XXX – University Core | ^p MATH 1336 – Calculus III ^p PHYS 1220/1221 – Electricity & Magnetism/Elec & Mag Lab UCOR 1XXX – University Core |
| SOPHOMORE | ^p ECEGR 2000 – Physical Comp with Python ^p MATH 2330 – Multivariable Calculus ^p PHYS 1230/1231 – Waves & Optics Waves & Optics Lab UCOR 2XXX University Core | ^p ECEGR 2020 – C++ Programming ^p ECEGR 2210 – Programmable Devices ^p MATH 2320 – Linear Algebra UCOR 1XXX – University Core | ^p ECEGR 2100 – Electrical Circuits I ^p ECEGR 2220 – Microprocessor Design ^p ECEGR 2010 – Computer Tools ^p ECEGR 3000 – Introduction to MATLAB ^p MATH 2340 – Differential Equations |
| JUNIOR | ^p ECEGR 3110 – Electrical Circuits II ^p ECEGR 3111 – Lab I: Circuits Science/Eng Elective ^p MATH 2310 – Probability and Statistics | ^p ECEGR 3120 – Semiconductor Devices and Circuits ^p ECEGR 3121 – Lab II: Electronics ^p ECEGR 3500 – Electrical Energy Systems UCOR 2XXX – University Core | ^p ECEGR 3710 – Signals and Systems ^p ECEGR 3711 – Lab III: Signals and Systems ^p ECEGR 3300 – Fields and Waves* UCOR 3XXX – University Core |
| SENIOR | ^p ECEGR 4870 – Engineering Design I ^p ECEGR Elective Lecture ^p ECEGR Elective Lecture ECEGR 3020 – Engineering Economy | ^p ECEGR 4880 – Engineering Design II ^p ECEGR Elective Lecture ^p ECEGR Elective Lab UCOR 3XXX – University Core | ^p ECEGR 4890 – Engineering Design III ^p ECEGR Elective Lecture ^p ECEGR Elective Lab UCOR 2XXX– University Core |

| 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 | *Students may also choose PHYS 3300. |
| UCOR 1200 Quantitative Reasoning – satisfied in major | UCOR 2500 Philosophy of the Human Person | UCOR 3400-Humanities & Global Challenges | Electromagnetic Field Theory, to satisfy |
| UCOR 1300 Creative Expression and Interpretation | UCOR 2900-2940 Ethical Reasoning | UCOR 3600-Soc Sci Global Challenges- sat. in major | this requirement. |
| UCOR 1400-Inquiry Seminar in the Humanities | | | |
| UCOR 1600- 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 10-4-19