

2023-2024

**BS.CEGR.ENVR - Bachelor of Science in Civil Engineering with Environmental Specialization**
**Sample 4 Year Program of Study**

*This is a sample and not the only way to complete this plan. Number of credits are in parentheses. \*Some classes have prerequisites.*

**Year 1**

Fall	Winter	Spring	Steps for Success
MATH 1334 – Calculus I* (5)	MATH 1335 – Calculus II* (5)	MATH 1336 – Calculus III* (5)	<input type="checkbox"/> Meet with your academic advisor quarterly for registration approval <input type="checkbox"/> Join a club (ASCE, ESW, SWE, or others) <input type="checkbox"/> Explore research opportunities
CEEGR 1050 – Engr. Graphics/Communication (3)	PHYS 1210/1211 – Mechanics/Lab* (5)	PHYS 1220/1221 – Electricity and Magnetism/Lab* (5)	
CEEGR 1000 – Intro to Civil/Environ. Engr. (1)	UCOR Module I (5)	UCOR Module I (5)	
UCOR Module I (5)			

**Year 2**

Fall	Winter	Spring	Steps for Success
MATH 2330 – Multivariable Calculus* (5)	MATH 2320 – Linear Algebra* (3)	MATH 2340 – Differential Equations* (4)	<input type="checkbox"/> Meet with your academic advisor quarterly for registration approval <input type="checkbox"/> Seek leadership positions in clubs <input type="checkbox"/> Update resume and cover letter with faculty advisor <input type="checkbox"/> Apply to internships in summer after 2 <sup>nd</sup> year
CHEM 1500/1501 – General Chem. I/Lab* (5)	BIOL 1610/1611 – Biology I/Lab* (5)	MATH 2315 – Probability, Statistics, and Data Computing* (5)	
UCOR Module I (5)	MEGR 2100 – Statics* (4)	CEEGR 2500 – Intro. to Structural Design* (4)	
UCOR Module II* (5)	UCOR Module II* (5)	UCOR Module II* (5)	

**Year 3**

Fall	Winter	Spring	Steps for Success
CEEGR 2210/2220 – Mechanics of Matl. I/Lab* (5)	CEEGR 3410 – Applied Environ. Bio.* (Offered WQ of even years) (4)	CEEGR 3110 – Surveying and Geomatics* (5)	<input type="checkbox"/> Meet with your academic advisor quarterly for registration approval <input type="checkbox"/> Apply to internships in summer after 3 <sup>rd</sup> year
CEEGR 3020 – Global Engr. Economics (3)	CEEGR 3530 – Soil Mechanics* (5)	CEEGR 3420 – Environ. Engr. Chem.* (4)	
CEEGR 3310/3370 – Fluid Mechanics/Lab* (5)	CEEGR 3350 – Applied Hydraulics* (4)	CEEGR 3710 – Water Resources I* (4)	
CEEGR 3510 – Engr. Geology* (4)	CEEGR 3260, 3280, 3760 or 3860**		

**Year 4**

Fall	Winter	Spring	Steps for Success
CEEGR 4720 – Water Resources II* (4)	CEEGR 4740 – Water/Wastewater Engr. * (4)	CEEGR 4750 – Hazardous Waste Engr. * (4)	<input type="checkbox"/> Meet with your academic advisor quarterly for registration approval <input type="checkbox"/> Plan to take FE exam late in WQ or in SQ of senior year.
CEEGR 4730 – Prin. of Environ. Engr. * (5)	CEEGR 4880 – Engr. Design II* (4)	CEEGR 4890 – Engr. Design III* (3)	
CEEGR 4870 – Engr. Design I* (3)	UCOR Module III* (5)	UCOR Module III* (5)	

## University Core Requirements

UCOR classes are listed in the sample plan by what module is recommend. See below for UCOR course titles listed by Module. See [my.seattleu.edu](http://my.seattleu.edu) for prerequisites and [www.seattleu.edu/core](http://www.seattleu.edu/core) for course descriptions. Honors and Matteo Ricci students have different Core requirements.

### Module I

**UCOR 1100** Academic Writing Seminar  
*UCOR 1200 Quantitative Thinking (satisfied in major)*  
**UCOR 1300** Creative Expression & Interpretation  
**UCOR 1400** Inquiry Seminar in the Humanities  
**UCOR 1600** Inquiry Seminar in the Social Sciences  
*UCOR 1800 Inquiry Seminar in the Natural Sciences (satisfied in major)*

### Module II

**UCOR 2100** Theological Explorations  
**UCOR 2500** Philosophy of the Human Person  
**UCOR 2900** Ethical Reasoning **OR** **UCOR 2920** Ethical Reasoning Health Care

### Module II

**UCOR 3100** Religion in a Global Context  
**UCOR 3400** Humanities and Global Challenges  
**UCOR 3600** Social Sciences and Global Challenges (satisfied in major)  
**UCOR 3800** Natural Sciences and Global Challenges (satisfied in major)

## Important Major Information

- Credits in Major: 134
- Minimum Major GPA: 2.5 (some scholarships may require higher)
- Please see [my.seattleu.edu](http://my.seattleu.edu) for elective options

## Resources for Success

- Map out your own plan through [My.SeattleU.edu](http://My.SeattleU.edu)
- Meet with a Career Coach from the [Career Engagement Center](#)
- Sign up for academic support with [Learning Assistance Programs](#)
- Explore career options at the [“What Can I Do with This Major”](#) page
- Learn more about academic advising on the [Advising Services](#) page

## Notes

- 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; students not placing into MATH 1334 will need to take MATH 1321 as an elective.
- \* Asterisk denotes prerequisite(s) and corequisite(s)
- \*\*Choose CEEGR 3260 – Transportation Engr., CEEGR 3280 – Timber Design, CEEGR 3760 – Environmental Law, **or** CEEGR 3860 – Sustainable Engr.
- Fundamentals of Engineering (FE) examination is required for graduation.

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.

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.



Use MySeattleU Student Planning to plan your courses and work closely with your academic advisor on your educational plan. You are responsible for knowing information and tracking changes. Contact your Advising Center for support.

Science & Engineering Advising  
[se-adv@seattleu.edu](mailto:se-adv@seattleu.edu)

Seattle U Advising Services  
<http://www.seattleu.edu/advising>