

Student Information

Name: _____ OSU ID: _____ OSU Admit Term: _____

Phone: _____ Email (name.number@osu.edu): _____

Suggested Curriculum

This should be used as a **guide** only. Semester offerings are subject to change.

Year	Autumn	Spring
1	___ MATH 1151 (Calculus 1) _____ 5 hr ___ ENGR 1181 (Fundamentals of Engr 1) _____ 2 hr ___ ENGR 1100 (Engineering Survey) _____ 1 hr ___ PHYSICS 1250 (Mechanics, Thermal, Waves) _____ 5 hr ___ GEN Writing and Information Literacy _____ 3 hr ___ GEN Launch Seminar _____ 1 hr	___ MATH 1172 (Engineering Math A) _____ 5 hr ___ ENGR 1182 (Fundamentals of Engr 2) _____ 2 hr ___ CHEM 1210 (Gen Chem 1) _____ 5 hr ___ ENGR 1221 ¹ (Computer Programming) _____ 2 hr ___ GEN Citizenship Just and Diverse World _____ 4 hr
2	___ MATH 2177 ² (Math Topics for Engineers) _____ 4 hr ___ MECHENG 2040 ³ (Statics & Mechanics) _____ 4 hr ___ CHEM 1220 (Gen Chem 2) _____ 5 hr ___ GEN Historical and Cultural Studies _____ 3 hr	___ CIVILEN 2050 ⁴ (Prob & Data Interpretation) _____ 3 hr ___ CIVILEN 2090 (Prof Aspects) _____ 1 hr ___ MECHENG 2030 (Dynamics) _____ 3 hr ___ ENVENG 2100 (Analytical Methods) _____ 3 hr ___ CHEM 2510 ⁵ (Organic Chemistry) _____ 4 hr ___ GEN Race, Ethnicity, Gender Diversity _____ 3 hr
3	___ MICRBIO 4000.0x (Microbiology) _____ 4 hr ___ CIVILEN 3130 (Fluid Mechanics) _____ 3 hr ___ ENVENG 3200 (Fund Env Engr) _____ 3 hr ___ Additional Science Elective ⁶ _____ 4 hr ___ GEN Social and Behavioral Sciences _____ 3 hr	___ CIVILEN 2060 (Numerical Analysis Methods) _____ 4 hr ___ CIVILEN 3080 (Econ Eval & Optimization) _____ 3 hr ___ CIVILEN 3160 (Water Resources Engr) _____ 3 hr ___ ENVENG 3210 (Unit Operations) _____ 3 hr ___ GEN Literary, Visual, Performing Arts _____ 3 hr
4	___ ENVENG 5110 (Biotechnology) _____ 3 hr ___ ENVENG 4200 (Unit Ops Lab) _____ 1 hr ___ CHBE 5771 (Air Pollution) _____ 3 hr ___ Technical Elective _____ 3 hr ___ Technical Elective _____ 3 hr	___ ENVENG 4090 (Capstone Design) _____ 3 hr ___ ENVENG 5170 (Pollution Prev) _____ 3 hr ___ Technical Elective _____ 3 hr ___ Technical Elective _____ 3 hr ___ Thematic Pathways _____ 4 hr

Total Hours to complete the degree program = 130. Please note, course schedules may not follow this plan exactly. This is a reference guide for students. Students should contact their advisor for academic guidance. **Courses in BOLD are only offered once per year.**

¹ CSE 1222, 1223, or 1224 are acceptable substitutes for ENGR 1221.

² MATH 2173+2174 or MATH 2568+2415 are acceptable substitutions for MATH 2177.

³ MECHENG 2010+2020 are acceptable substitutions for MECHENG 2040.

⁴ STATISTICS 3460 or 3470 are acceptable substitutions for CIVILEN 2050.

⁵ CHEM 2310 is an acceptable substitution for CHEM 2510.

⁶ ENR 3000 and 3001, EARTHSC 1121 and 1200, or EARTHSC 11151 and 1200 can be taken as Additional Science Elective

Please contact a CECE advisor if you have questions or concerns about any of the listed substitutions.

Please note that students who need preparatory work before beginning Math 1151 will need additional time to complete this curriculum. The outlined curriculum is not a prescribed plan and is intended to be used as a guide to assist students in progressing through the curriculum with respect to prerequisite courses. Course offerings are subject to change. Please check the online course bulletin and master schedule for prerequisite requirements & course availability.

Acceptance Criteria

Acceptance into the Environmental Engineering major is based on a holistic review of a written application and academic performance. Applications are accepted during Autumn and Spring terms. Only CPHR (cumulative GPA) will be reviewed. Applications can be submitted upon completion of or enrollment in Engineering 1181 and 1182, Math 1151 and 1172, and either Physics 1250, Chemistry 1210 or Chemistry 1250.

Technical and Other electives

Students are required to complete 12 hours of technical electives, chosen in consultation with a faculty advisor upon admission to the major. Students must complete six hours of coursework from *Area 1*, and one course from *Area 2*. The remaining coursework may come from any Area as outlined on the Technical Elective Guide.

Area 1 Technical Elective:	_____	Cr. Hrs.	_____
Area 2 Technical Elective:	_____	Cr. Hrs.	_____
Technical Elective:	_____	Cr. Hrs.	_____
Technical Elective:	_____	Cr. Hrs.	_____

General Education Requirements

Launch Seminar

GENED 1201 1hr

Foundations

Complete all of the following:

Writing and Information Literacy 3 hr

Historical and Cultural Studies 3 hr

Social and Behavioral Sciences 3 hr

Race, Ethnicity, and Gender Diversity 3 hr

Literary, Visual, and Performing Arts 3 hr

Thematic Pathways (8-12 hours)

Citizenship for a Just and Diverse World 4-6 hr

Additional Theme(s) 4-6 hr