School of Engineering and Engineering Technology

Civil Engineering, B.S.

ENVIRONMENTAL CONCENTRATION

(CEGR.ENVR/EVGR or ENV)

2025-26

SUGGESTED COURSE SEQUENCE

First Semester - Fall

17 Hours

____	BIBL	1033	3	Biblical Literature
____	CHEM	1111	1	General Chemistry I Lab
____	CHEM	1113	3	General Chemistry I
____	ENGL	1013	3	English Composition I
____	ENGR	1513	3	Intro to Engineering Practice I (Fall only)
____	LETU	1101	1	Cornerstones of Life & Learning
____	MATH	1903	3	Calculus I [1]

Second Semester - Spring

17 Hours

____	CEGR	1523	3	Introduction to CEE (Spring only)
____	CHEM	1121	1	General Chemistry II Lab (Spring only)
____	CHEM	1123	3	General Chemistry II (Spring only)
____	ENGL	1023	3	English Composition II
____	MATH	2013	3	Calculus II [1]
____	PHYS	2013	3	University Physics I (Spring only)
____	PHYS	2011	1	University Physics I Lab (Spring only)

Third Semester - Fall

17 Hours

____	BIOL	1111	1	General Biology I Lab (Fall only)
____	BIOL	1113	3	General Biology I (Fall only)
____	COMM	1113	3	Intro to Speech Communication
____	ENGR	1311	1	Manufacturing Processes Lab
____	EVGR	3113	3	Environmental Engineering [1] (Fall only)
____	MATH	2023	3	Calculus III
____	MEGR	2013	3	Statics [1]

Fourth Semester - Spring

17 Hours

____	CEGR	2502	2	CEE Project Management (Spring only)
____	COSC	1303	3	Computer Science I
____	ENGR	2400	0	Sophomore Design Seminar (Spring only)
____	MATH	2203	3	Differential Equations
____	MEGR	3323	3	Mechanics of Materials
____	THEO	2043	3	Biblical Theology for the Christian Life
____			3	CEE Skills Elective (Spring only)

Fifth Semester - Fall

14 Hours

____	CEGR	2013	3	Civil Engineering Materials (Fall only)
____	CEGR	3213	3	Hydraulic Analysis (Fall only)
____	EVGR	3002	2	Sustainability and Stewardship (Fall only)
____			3	Biblical Engagement Elective
____			3	Civic Engagement Elective

Sixth Semester - Spring

17 Hours

____	CEGR	3913	3	Geotechnical Engineering (Spring only)
____	CEGR	4744	4	Surface Water Hydrology [2] (Spring only)
____	EVGR	4613	3	Air Pollution and Solid Waste [3] (Spring only)
____	MATH	3403	3	Statistics
____			4	Science Elective [4]

Seventh Semester - Fall

14 Hours

____	CEGR	4001	1	Professional Licensing Prep (Fall only)
____	CEGR	4224	4	Hydraulic Design (Fall only)
____	ENGR	4813	3	Senior Design I (Fall only)
____			3	Civic Engagement Elective
____			3	Humanities & Fine Arts Elective

Eighth Semester - Spring

14 Hours

____	CEGR	4501	1	CEE Professional Practice (Spring only)
____	ENGR	4823	3	Senior Design II (Spring only)
____	EVGR	4634	4	Water and Wastewater Design [2] (Spring only)
____			3	CEE Engineering Science Elective [3]
____			3	Theological Engagement Elective

TOTAL HOURS 127

1: Minimum grade of 'C' required.

2: EVGR 4634 is offered during spring semesters of odd years; CEGR 4744 is offered during spring semesters of even years. These courses should be taken in the 6th and 8th semesters accordingly, in either order.

3: EVGR 3613 is offered during spring semesters of even years, and should be taken in the 6th or 8th semester accordingly by swapping its place with the CEE Engineering Science Elective.

4: See approved electives sheet for list of acceptable 4-hour basic science courses (limited to earth sciences).

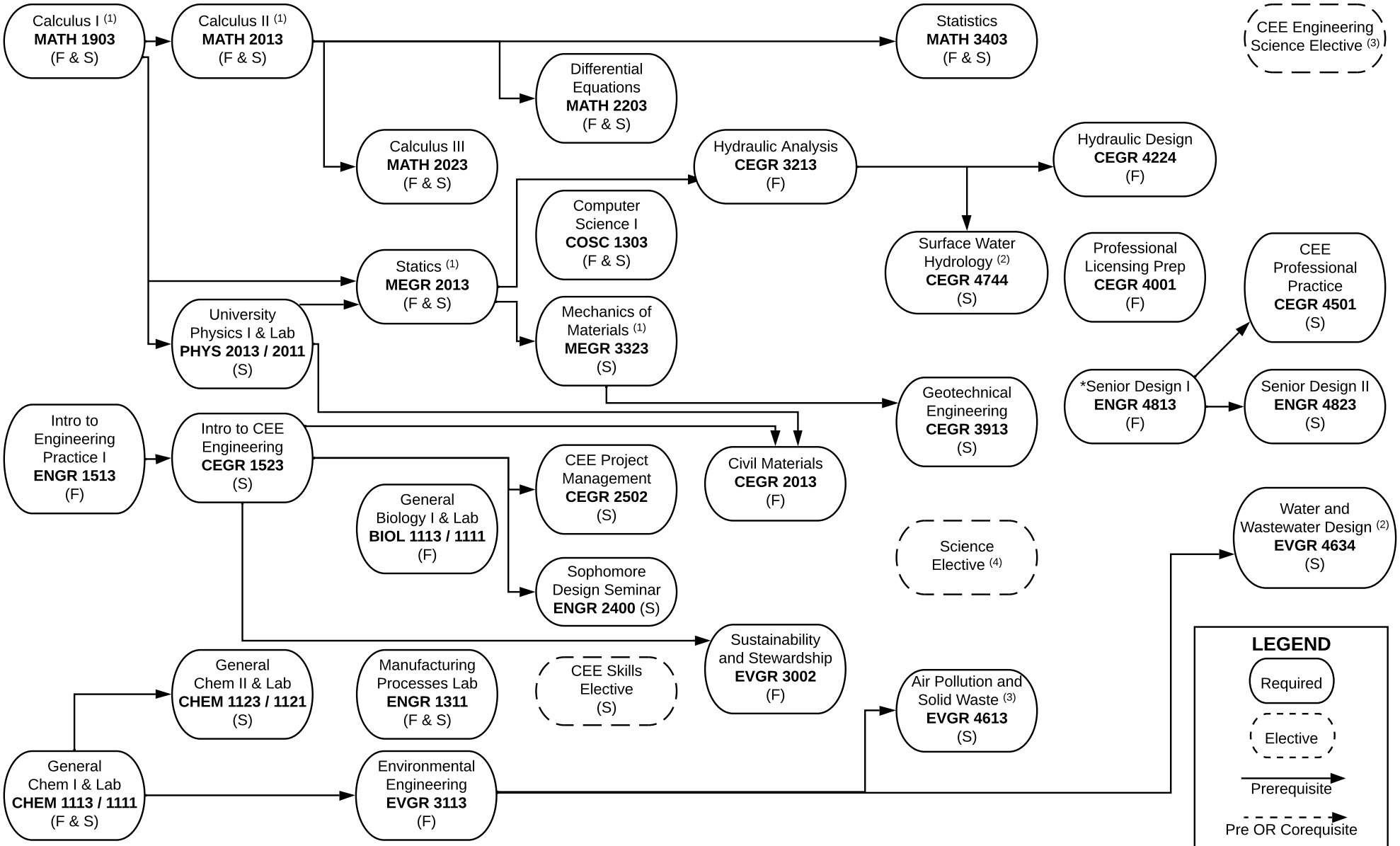
rev 4/17/2025

B.S. Civil Engineering

Technical Course Sequence - Environmental Concentration

2025-2026

FRESHMAN		SOPHOMORE		JUNIOR		SENIOR	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring



* Senior standing, completion of junior courses in concentration, and consent of instructor required.