

School of Engineering and Engineering Technology
Civil Engineering, B.S.
ENVIRONMENTAL CONCENTRATION (ENV)
2021-22

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)
_____	CEGR	2013	3	Civil Engineering Materials (Fall only)
_____	COMM	1113	3	Intro to Speech Communication
_____	ENGR	1311	1	Manufacturing Processes Lab
_____	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 (Spring only)
_____	THEO	2043	3	Biblical Theology for the Christian Life
_____			3	CEE Skills Elective (Spring only)

Fifth Semester - Fall

17 Hours

_____	CEGR	3213	3	Hydraulic Analysis (Fall only)
_____	EVGR	3002	2	Sustainability and Stewardship (Fall only)
_____	EVGR	3113	3	Environmental Engineering ⁽¹⁾ (Fall only)
_____	MATH	3403	3	Statistics
_____			3	Biblical Engagement Elective
_____			3	Civic Engagement Elective

Sixth Semester - Spring

14 Hours

_____	CEGR	3913	3	Geotechnical Engineering (Spring only)
_____	CEGR	4744	4	Surface Water Hydrology ⁽²⁾
_____	EVGR	3613	3	Air Pollution and Solid Waste ⁽³⁾
_____			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	Ingenuity 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⁾
_____			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).

BSCE - Environmental Concentration (ENV)

Technical Course Sequence

2022-2023

