

**School of Engineering and Engineering Technology**  
**Civil Engineering, B.S.**  
**ENVIRONMENTAL CONCENTRATION (ENV)**  
**2019-20**  
**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 <sup>(1)</sup>

**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 <sup>(1)</sup>
___	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 <sup>(1)</sup>

**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 <sup>(1)</sup> (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 <sup>(2)</sup>
___	EVGR	3613	3	Air Pollution and Solid Waste <sup>(3)</sup>
___			4	Science Elective <sup>(4)</sup>

**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 <sup>(2)</sup>
___			3	CEE Engineering Science Elective <sup>(3)</sup>
___			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).

