B.S. in CHEMISTRY/ENVIRONMENTAL SCIENCE (Comprehensive Major) 8/2020
2020 FOUR YEAR CURRICULUM GUIDE
ENVIRONMENTAL SCIENCE PROGRAM & DEPARTMENT OF CHEMISTRY/GEOLOGY/PHYSICS

Year 1	**Fall Semester**			**Year 1**	**Spring Semester**	
Course #	**Title**	**Cr.**		**Course #**	**Title**	**Cr.**
CHEM 103	Gen. Chem I (fa only, Core 1)	4		CHEM 104	Gen. Chem II (sp only, Core 5)	4
MATH 205	Calculus I (fa only, Core 2)	5		MATH 206	Calculus II (sp only)	5
ENG 101	Composition I (Core 3)	3		EVS 276	Environmental Science Seminar	1
CORE/CCI*	Inst. Requirement (Core 4)	3		ENG 102	Composition II (Core 6)	3
				CORE	Inst. Requirement (Core 7)	3
	TOTAL	**15**			**TOTAL**	**16**

Year 2	**Fall Semester**			**Year 2**	**Spring Semester**	
Course #	**Title**	**Cr.**		**Course #**	**Title**	**Cr.**
CHEM 307/307L	Organic Chem I w/Lab(fa only)	4		CHEM 308/308L	Organic Chem II w/Lab (sp only)	4
PHYS 205	University Physics (fa only)	5		PHYS 206	University Physics (sp only)	5
BIO 201	Molecular & Cellular Basis of Life	4		BIO 202	Organisms, Adaptation & Diversity	4
CORE	Inst. Requirement (Core 8)	3		CORE	Inst. Requirement (Core 9)	3
	TOTAL	**16**			**TOTAL**	**16**

Year 3	**Fall Semester**			**Year 3**	**Spring Semester**	
Course #	**Title**	**Cr.**		**Course #**	**Title**	**Cr.**
CHEM 411/411L	Phys. Chem I w/Lab (fa odd) or CHEM 4XX elective 1	3-4		CHEM 412/412L	Phys. Chem II w/Lab (sp even) or CHEM 4XX elective 2	3-4
CHEM 320	Quantitative Analysis (fa only)	4		CORE or MATH 307**	Inst. Requirement (Core 10) or Linear Algebra (sp only)	3
GEOL 101 or PHIL 280B	Physical Geology (fa only) or Environmental Ethics	1-4		CORE	Inst. Requirement (Core 12)	3
MATH** or CORE	MATH 305** (Calc. III, fa only) or Inst. Requirement (Core 10)	3-4		CORE	Inst. Requirement (Core 13)	3
CORE	Inst. Requirement (Core 11)	3		CORE	Inst. Requirement (Core 14)	3
	TOTAL	**14-19**			**TOTAL**	**15-16**

Year 4	**Fall Semester**			**Year 4**	**Spring Semester**	
Course #	**Title**	**Cr.**		**Course #**	**Title**	**Cr.**
CHEM 4XX	CHEM 4XX elective 1 or CHEM 411/411L (fall odd)	3-4		CHEM 4XX	CHEM 4XX elective 2 or CHEM 412/412L (sp even)	3-4
EVS/CHEM ELECTIVE	EVS/CHEM elective***	3-4		EVS 476	Issues in Environmental Science	3
PHIL 280B or GEOL 101	Environmental Ethics (if not already taken as part of Core) or Physical Geology (fa only)	0-4		ELECTIVES	General Electives as needed to fulfill required credit hrs.	6
ECON 101	Market Fundamentals (Core 15)	3				
ELECTIVE	General Electives, as needed	0-3				
	TOTAL	**12-18**			**TOTAL**	**12**

120-122 total credit hours required for degree **Important information continues on page 2 of this curriculum guide.**

B.S. in CHEMISTRY/ENVIRONMENTAL SCIENCE (Comprehensive Major) 8/2020
2020 FOUR YEAR CURRICULUM GUIDE
ENVIRONMENTAL SCIENCE PROGRAM & DEPARTMENT OF CHEMISTRY/GEOLOGY/PHYSICS

**The Critical Cultural Inquiry (CCI) requirement can be completed by either one value-added foreign language course, an approved study-away or study abroad experience, or one CCI course. One slot should be allotted for CORE/CCI, but students completing the requirement with study abroad, can substitute an elective if necessary to reach 120 hours. If students are continuing a language study, it is preferable to take the course during the first semester of the first year.*

***MATH 205-206 and either MATH 305 or MATH 307 are required.*

****Options for EVS/CHEM electives include BIO 310, BIO 330, BIO 411, BIO 412, GEOL 210, GEOL 309, GEOL 403 and BIO/EVS/GEOL 320.*

The ACS-Certified Chemistry/Environmental Science major requires CHEM 416, CHEM 420, and 6 additional hours at the 400-level including CHEM 497; GEOL 403 may substitute as a 400-level Chemistry elective (by permission). Meet with your advisor for further details.

Students planning to attend graduate school should plan on conducting an independent research project (GEOL 497) during their four years, or alternately participate in a summer research program. Develop a plan for this with your academic adviser.