

Year 1	Fall Semester		Freshman:	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
ENG 101	Composition I (Core 1)	3	EVS 276	Environmental Sci. Seminar	1
CHEM 103	General Chem (fa only, Core 2)	4	ENG 102	Composition II (Core 5)	3
MATH 205	The Calculus I (fa only, Core 3)	5	CHEM 104	General Chem (sp only, Core 6)	4
CORE/CCI*	Inst. Requirement (Core 4)	3	MATH 206	The Calculus II (sp only)	5
			CORE/CCI*	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	Organic Chem I (fa only)	3	CHEM 308	Organic Chem II (sp only)	3
CHEM 307L	Organic Chem I Lab (fa only)	1	CHEM 308L	Organic Chem II Lab (sp only)	1
PHYS 205	University Physics (fa only)	5	PHYS 206	University Physics (sp only)	5
BIO 201	Molec./Cellular Basis of Life	4	BIO 202	Organisms, Adap. & Divers.	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/L	Quantum Mechanics w. lab (fa odd) or CHEM 4XX elective (1) (fa even)	3-4	CHEM 412/L	Thermodynamics w. lab (sp even) or CHEM 4XX elective (2) (sp odd)	3-4
MATH	MATH 305** (Calc. III, fa only) or Inst. Requirement (Core 10)	3-4	CORE	Institutional Requirement (Core 10) or MATH 307** Linear Alg., (sp only)	3
CHEM 320	Quantitative Anal (fa only)	4	CORE	Market Fund (Core 12)	3
GEOL 101 (substitute GEOL 107)	Physical Geology (substitute Earth Mat, Proc & Hist) or Applied Ethics – Environ (Core 11 option if 3 credits)	1-4	CORE	Institutional Requirement (Core 13)	3
CORE	Inst. Requirement (Core 12)	3	CORE	Inst Requirement (Core 14) or Issues in EVS (odd sp)	3
	Total	14-19		Total	15-16

Year 4	Fall Semester		Year 4	Spring Semester	
Course #	Title	Cr.	Course #	Title	Cr.
CHEM 4XX	CHEM Elective (1) (fa even) or 411/L (fa odd)	3-4	CHEM 4XX	CHEM elective (2) (sp odd) or 412/L (sp even)	3-4
EVS/CHEM ELECTIVE	EVS/CHEM ELECTIVE***	3-4	EVS 476	Issues in EVS (odd sp only) or Inst Req (Core 14)	3
ECON 101	Institutional Requirement (Core 15)	3	ELECTIVE	General Elective	3
PHIL 280B	Applied Ethics – Environment (Core 11 option if 3 credits) or GEOL 107 Earth Mat, Proc, Hist	1-4	ELECTIVE	General Elective	3
ELECTIVE	General Elective	3	ELECTIVE	General Elective (optional)	3
	Total	13-18		Total	12-16

Students must have at least 120-121 credits to graduate, depending on choices of MATH, EVS/CHEM, and 400-level CHEM electives.

This minimum curriculum includes 9 hours of general electives.

**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** – MATH 205/206 and either MATH 305 or 307 are required for chemistry major.

*****Options** for EVS/CHEM ELECTIVE include EVS 324 and BIO 310, 330, 411 or 412, and GEOL 210, 309 and 403.

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 (CHEM 497) during their four years, or, alternatively, participate in a summer research program. Develop a plan for this with your academic adviser.