

	Fall Semester	Spring Semester	Credits ¹
Year 1	CEM 141 (4) CEM 161 (1) MTH 116 (5) ² WRA 101 Tier I Writing ³ (4)	CEM 142 (3) CEM 162 (1) MTH 132 (3) [Elective or UR ⁴] (3 or 4) [Elective or UR ⁴] (3 or 4)	28-29
Year 2	CEM 251 (3) CEM 262 (3) MTH 133 (4) PHY 221 (4)	CEM 252 (3) CEM 255 (2) PHY 222 (4) BS 161 ⁵ (3) [Elective or UR ⁴] (3 or 4)	29-30
Year 3	CEM 383 (3) CEM 425 (3) CEM 444 (1) [Electives or UR ⁴] (11 or 12)	CEM 384 (3) CEM 333 (3) Arts & Humanities or Social Science Elective (3) [Electives or UR ⁴] (6 or 7)	30-32
Year 4	BMB 401 ⁶ (4) CEM 311 (3) [Electives or UR ⁴] (8 or 9)	Arts & Humanities or Social Science Elective (3) [Electives or UR ⁴] (9 or 10)	30-32

¹A total of at least 120 credits is required for graduation.

²If required based on Mathematics Placement Exam score. Students who score ≥ 19 will begin with MTH 132.

³A score of 4 or 5 on an AP English exam will receive credit for WRA 101 (4). A score of 3 will not earn credit, but WRA 101 will be waived. Students who have satisfied the Tier I writing requirement through Advanced Placement could substitute an elective or a course to fulfill a University requirement.

⁴Elective or UR = Elective or University Requirement [University General Education Requirements: WRA Tier I writing course (4) in Year 1; IAH course 201-210 (4), which has a Tier I writing course as a prerequisite; IAH course 211 or higher (4); ISS 200-level (4); ISS 300-level (4). Electives must include 6 credits in the arts and humanities or the social, behavioral, and economic sciences beyond those counted toward the Integrative Studies requirements. Students are also required to complete at least 30 credits at the 300-level and above. The ISS 300-level course counts toward the 30 credits.]

⁵BS 161 - Cell and Molecular Biology has CEM 141 or CEM 151 or CEM 181H as a prerequisite. There are other options for fulfilling the alternative track Biological Sciences requirement (BS 162, BS 181H, BS 182H, ENT 205, IBIO 150, MMG 141, MMG 201, PLB 105, PSL 250), but BS 161 is probably the most relevant for Chemistry majors. BS 161 is also recommended background for BMB 401.

⁶BMB 401 is offered online in fall, spring, and summer semesters. It is only offered as a face-to-face class in spring semesters. It can be taken any time after completing CEM 252. BS 161 is recommended background for BMB 401. BMB 461 can be substituted for this requirement.

⁷CEM 384 is recommended background for CEM 311; consequently, CEM 311 should be taken in Year 4 **after** completing CEM 384.