

	Fall Semester	Spring Semester	Credits ¹
Year 1	CEM 151 (4) CEM 161 (1) MTH 132 (3) WRA 101 Tier I Writing ² (4) [Elective or UR ³] (3 or 4)	CEM 152 (3) CEM 162 (1) MTH 133 (4) BS 161 ⁴ (3 or 4) [Elective or UR ³](3 or 4)	29-32
Year 2	CEM 351 (3) CEM 262 (3) MTH 234 (4) PHY 183 (4) PHY 191 (1)	CEM 352 (3) CEM 355 (2) MTH 235 (3) PHY 184 (4) PHY 192 (1) [Elective ³ (3) or CEM 400H/420 ⁵ (1-3)] (1-3)	29-31
Year 3	CEM 483 (3) CEM 356 (2) CEM 444 (1) [Electives or UR ³ (3 or 4) or CEM 400H/420 ⁵ (1-3)] (8-10)	CEM 484 (3) CEM 395 (2) CEM 411 (4) [Electives or UR ³ (3 or 4) and CEM 400H/420 ⁵ (1-3)] (6-7)	28-32
Year 4	CEM 434 (3) CEM 495 (3) BMB 461 (3) [Electives or UR ³ (3 or 4) or CEM 400H/420 ⁵ (1-3)] (6)	CEM 415 (3) CEM 435 (3) [Electives or UR ³ (3 or 4) or CEM 400H/420 ⁵ (1-3)] (9)	30

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

²A 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.

³Elective 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).]

⁴BS 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 and a prerequisite for BMB 461. This requirement can be delayed until Year 2 or 3.

⁵Students are encouraged to include undergraduate research (CEM 420 or CEM 400H) in their electives. A maximum of 12 credits in CEM400H/420 is permitted.

⁶Either BMB 401 or BMB 461 will satisfy the biochemistry requirement. BMB 461 has additional prerequisites (BS 161, BS 162).