

### Sample Four-Year Plan for a B.S. in Chemistry

	Fall Semester	Spring Semester
Freshman Year	Chemistry 115 & 117 – 5 cr Biology 111 – 4 cr Math 130 – 3 cr English 101 – 3 cr (15 credits)	Chemistry 116 & 118 – 5 cr Math 140 – 4 cr English 102 – 3 cr First-Year Seminar – 4 cr (15 credits)
Sophomore Year	Chemistry 251 & 255 – 5 cr Math 141 – 4 cr Intermediate Seminar – 3 cr General Education – 3 (15 credits)	Chemistry 252 & 256 – 5 cr Physics 113 & 181 – 6 cr General Education – 3 cr General Education – 3 cr (17 credits)
Junior Year	Chemistry 311 & 313 (*) – 6 cr Physics 114 & 182 – 6 cr Biochemistry 383 – 3 cr (15 credits)	Chemistry 312 & 314 (*) – 6 cr General Education – 3 cr General Education – 3 cr Chemistry Lab Elective – 3 cr (15 credits)
Senior Year	Chemistry 369 & 379 (*) – 6 cr Chemistry 491 (*) – 4 cr Chemistry Elective – 3 or 4 cr (13 or 14 credits)	Chemistry 370 & 371 (*) – 6 cr Chemistry 482 – 3 cr General Elective – 3 cr General Elective – 3 cr (15 credits)

\* - Classes offered only once a year.

All students must take a minimum of 120 credits (approximately 40 courses). Thirty credits must be taken at UMass Boston. Also, some departments require that a minimum number of courses in the major be taken at UMB.

A minimum cumulative grade point average (GPA) of 2.0, calculated only from UMB courses, is required by the university. Some majors require a specific average in courses taken toward the major; see the major department for more information.

You can select courses that fulfill more than one requirement.