

Sample 5-Year Schedule — Accelerated Master's Degree in Chemistry (Thesis Option)

First Year

Fall

Course	Credit
CH 1150 University Chemistry I AND	3
CH 1151 University Chemistry Lab I AND	1
CH 1153 University Chemistry I Recitation OR	1
CH 1112 University Chem-Studio Lab I	5
CH 1130 PFDC 1: Orientation	1
PH 1100 Physics by Inquiry I	1
MA 1160 Calculus with Technology I	4
UN 1015 Composition (OR UN 1025 Global Issues)	3
Total	14

Spring

Course	Credit
CH 1160 University Chemistry II AND	3
CH 1161 University Chemistry Lab II. AND	1
CH 1163 University Chemistry II Recitation OR	1
CH 1122 University Chem-Studio Lab II	5
MA 2160 Calculus with Technology II	4
PH 1200 Physics by Inquiry II	1
PH 2100 University Physics I – Mechanics	3
UN 1025 Global Issues (OR UN 1015 Composition)	3
Total	16

Second Year

Fall

Course	Credit
CH 2410 Organic Chemistry I	3
CH 2411 Organic Chemistry Lab I	1
PH 2200 University Physics II – E & M	3
MA 2321 Elementary Linear Algebra	2
MA 3521 Elementary Differential Equations	2
Free Elective	
General Education Core 2000 HUFA (or SBS)	3
Total	16

Spring

Course	Credit
CH 2420 Organic Chemistry II	3
CH 2421 Organic Chemistry Lab II	2
CH 2212 Quantitative Analysis	5
MA 3160 Multivariable Calculus with Technology	4
General Education Core 2000 HUFA (or SBS)	3
Total	17

Third Year

Fall

Course	Credit
CH 3510 Physical Chemistry I	3
CH 3511 Physical Chemistry Lab I	2
CH 4212 Instrumental Analysis	5
CH 4710 Biomolecular Chemistry I	3
General Education HASS Distribution	3
Total	16

Spring

Course	Credit
CH 3520 Physical Chemistry II	3
CH 3521 Physical Chemistry Lab II	2
CH 4990/4995 UG Research (Note: Required Elective)	3
Free Electives	3
General Education HASS Distribution	6
Total	17

Summer

CH 4990/4995 UG Research SENIOR RULE 3 credits. Note: Senior Rule credits are not applied toward the undergraduate degree.

Fourth Year

Fall

Course	Credit
CH 4310 Inorganic Chemistry I	3
CH 4311 Inorganic Chemistry Lab	2
Electives up to 6 cr (preferably ≥5000 level) in senior year double-counted for BS and MS)	11
Total	16

Spring

Course	Credit
CH 4910 Chemistry Seminar	1
Electives up to 6 cr (preferably ≥5000 level) in senior year double-counted for BS and MS)	11
General Education HASS Distribution	3
Total	15

Summer

CH 5990 Master's Research 3 credits minimum. Note: Need to complete 128 credits and the bachelor's degree prior to this session in order to become a graduate student and enroll in graduate-level research credits.

Fifth Year

By the beginning of the fifth year a total of 12 credits towards the graduate degree have been earned (3 through senior rule, 6 double-counted electives, preferably ≥5000 level, and 3 credits of master's researcher. Students need to earn a minimum of an additional 18 credits, for a total of 152 credits for the bachelor's and master's combined, in order to complete the accelerated master's degree. For the master's degree, thesis option, a maximum of 12 credits may be at the end of the 3000-4000 level, a minimum of 12 credits must be at the 5000 level or above, and a minimum of 6 credits of research must be earned. Students must earn a minimum of 18 credits during their fifth year. Fifth year summer is the defense term.