CHEMISTRY MAJOR
Concentration V: General Program in Chemistry
Typical Schedule *(TENTATIVE - Expect changes, consult with your advisor)*

First Year Fall [14-17 cr]	**First Year Spring [14-17 cr]**
CHEM 131[ap pph] (General Chemistry I) [3] CHEM 135L[pph] (Special Gen Chem Lab I) [1] MATH 231[pph] (Calculus with Functions I) [3] GenEd Cluster 1 [3] GenEd WRTC 103 &/or other GenEd [3-6] [ap]If AP Chem = 3-5, CHEM 131/132 [6]	CHEM 132[ap,pph] (General Chemistry II) [3] CHEM 136L[pph] (Special Gen Chem Lab II) [2] MATH 232 (Calculus with Functions II) [3] GenEd Cluster 1 [3] GenEd[pph] [3-6] [ap]If CHEM 131/132 is complete, consider CHEM 270 [3] BIO 140[pph] (Foundations of Biology I) [4]
Second Year Fall [15-17 cr]	**Second Year Spring [15-17 cr]**
CHEM 241[pph] (Organic Chemistry I) [3] CHEM 287L[pph] (Int Inorganic/Organic Lab I) [2] PHYS 240[pph] (University Physics I) [3] PHYS 240L[pph] (University Physics Lab I) [1] MATH 236 (Calc II) [4] GenEd &/or electives[e,pph] [2-4] [e]Suggestions: Research, BIO 150[pph] (Foundtns II) [4]	CHEM 242[pph] (Organic Chemistry II) [3] CHEM 270 (Inorganic Chemistry I) [3] CHEM 288L (Int Inorganic/Organic Lab II) [2] PHYS 250[pph] (University Physics I) [3] PHYS 250L[pph] (University Physics Lab II) [1] GenEd &/or elective[pph] [3-5]
Third Year Fall [15-17 cr]	**Third Year Spring [15-17 cr]**
CHEM 351 (Analytical Chemistry) [4] CHEM 361 (Biochemistry I) [3] CHEM 481 (Literature & Seminar I) [1] GenEd &/or electives[e,pph] [7-9] [e]Suggestions: Research [1-2], MATH 220[pph] (Stats)[3]	CHEM 331 (P Chemistry I) [3] CHEM 336L (Applied Physical Chemistry Lab) [2] CHEM 352 (Instrumental Analysis) [3] CHEM 352L (Instrumental Analysis Lab) [2] CHEM 482 (Literature & Seminar II) [1] GenEd &/or electives[e] [4-6] [e]Suggestions: Research [1-2]
Fourth Year Fall [15-17 cr]	**Fourth Year Spring [15-17 cr]**
Required Upper Div Chem elective[up], GenEd &/or electives[e] [15-17] [up]CHEM 390 counts if 3 credits are earned with same faculty mentor AND a paper/presentation is prepared [e]Suggestions: Research, more BIO[pph]	Required Upper Div Chem elective[up,] GenEd &/or electives[e] [15-17] [up]CHEM 390 counts if 3 credits are earned with same faculty mentor AND a paper/presentation is prepared [e]Suggestions: Research, more BIO[pph]

[e] **Elective courses include**: Research (CHEM 390, 497, 499), Instructional Experiences (CHEM 315), Chemical Hazards (CHEM 325-F,even), Environmental Chem (CHEM 353 –Sp,odd), Environmental Field Camp (CHEM 354-Su), Geochem (CHEM 355-F), Biochem II (CHEM 362,366L-Sp), Materials (CHEM 375-F), PChem II (CHEM 432 –F), Intermediate Organic (CHEM 440-F,even), Polymers (CHEM 445,445L-F,odd), Nuclear (CHEM 450,450L-Sp,even), Lasers (CHEM 455-V), Inorganic II (CHEM 470 –F), etc. [See Undergrad Catalog]

[pph]**Most pre-Professional health (pre-med, pre-pharm, etc) programs require**: BIO 140,150, CHEM 131,132,135L (or 131L),136L (or 132L),241,242, 242L or 287L, MATH 220,235, PHYS 240,240L, 250, 250L.
PPH Recommendations: CHEM 361 and additional Bio courses.
Pre-med GenEd recommendations: PHIL 120 (C1CT), SOCI 110 (C4GE), PSYC 101 (C5SD).
Pre-Pharm GenEd recommendations: PHIL 150 (C1CT), SCOM 122 (C1HC), ECON (C4GE), PSYC 101 or 160 (C5SD). [See Undergrad Catalog]