B.S. in CHEMISTRY  
Concentration V: General Program in Chemistry

Typical Schedule *(TENTATIVE - Expect changes, consult with your advisor)*

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<tr>
<th>Freshman Fall (14-17 cr)</th>
<th>Freshman Spring (15-16 cr)</th>
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| **Chem 131**<sup>ap, pph</sup> (Gen Chem I) [3]  
**Chem 135L**<sup>pph</sup> (Special Gen Chem Lab I) [1]  
**Math 231**<sup>pph</sup> (Calc with Functions I) [3]  
**GenEd Cluster 1** [3]  
**GenEd WRTC 103 &/or other GenEd** [3-6]  |
| **Chem 132**<sup>ap, pph</sup> (Gen Chem II) [3]  
**Chem 136L**<sup>pph</sup> (Special Gen Chem Lab II) [2]  
**Math 232** (Calc with Functions II) [3]  
**GenEd Cluster 1** [3]  
**GenEd**<sup>pph</sup> [3-4]  |

<sup>ap</sup>If AP Chem = 3-5, Chem 131/132 [6]

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<th>Sophomore Fall (15-17 cr)</th>
<th>Sophomore Spring (15-17 cr)</th>
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| **Chem 241**<sup>pph</sup> (Organic I) [3]  
**Chem 287L**<sup>pph</sup> (Inor/Org lab I) [2]  
**Phys 240**<sup>pph</sup> (University Phys I) [3]  
**Phys 140L**<sup>pph</sup> (Phys lab I) [1]  
**Math 236** (Calc II) [4]  
**GenEd &/or electives**<sup>e, pph</sup> [2-4]  |
| **Chem 242**<sup>pph</sup> (Organic II) [3]  
**Chem 270** (Inorganic) [3]  
**Chem 288L** (Inor/Org lab II) [2]  
**Phys 250**<sup>pph</sup> (University Phys I) [3]  
**Phys 150L**<sup>pph</sup> (Phys lab I) [1]  
**GenEd &/or electives**<sup>e, pph</sup> [3-5]  |

<sup>e</sup>Suggestions: Research, Bio 150<sup>pph</sup> (Fndtns II) [4]

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<th>Junior Fall (15-17 cr)</th>
<th>Junior Spring (15-17 cr)</th>
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| **Chem 351** (Analytical) [4]  
**Chem 361**<sup>pph</sup> (Biochem) [3]  
**Chem 481** (Lit & Seminar I) [1]  
**GenEd &/or electives**<sup>e, pph</sup> [7-9]  |
| **Chem 331** (PChem I) [3]  
**Chem 336L** (Appl PChem Lab) [2]  
**Chem 352** (Instrumental) [3]  
**Chem 352L** (Instrumental lab) [2]  
**Chem 482** (Lit & Seminar II) [1]  
**GenEd &/or electives**<sup>e, pph</sup> [4-6]  |

<sup>e</sup>Suggestions: Research [1-2], Math 220<sup>pph</sup> [3]

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<tr>
<th>Senior Fall</th>
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| Required Upper Div Chem elective<sup>up</sup>,  
GenEd &/or electives<sup>e</sup> [15-17]  |
| Upper div Chem elective<sup>up</sup>,  
GenEd &/or electives<sup>e</sup> [15-17]  |

<sup>up</sup>Chem 390 counts if 3 credits are earned with same faculty mentor AND a paper/presentation is prepared  
<sup>e</sup>Suggestions: Research, more Bio<sup>pph</sup>

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

<sup>pph</sup>Most pre-Professional health (pre-med, pre-pharm, etc) programs require: BIO 140-150, CHEM 131-132, CHEM 135L-136L, CHEM 241-242, CHEM 242L or 287L, MATH 220, MATH 235, PHYS 240-250 or 140-150, PHYS 140L-150L. Recommendations include CHEM 361 and additional Bio courses.
Pre-med: GenEd recommendations include PHIL 120 (C1), SOCI 110 (C4), PSYC 101 (C5).
Pre-Pharm: GenEd recommendations include PHIL 150 (C1), SCOM 122 (C1), ECON (C4), PSYC 101 or 160 (C5). [See Undergrad Catalog]

Updated April 2016