# BIOCHEM Major: 4 Year Plan Update 10/21/10

Major Requirements – (F = Fall only, Sp = Spring only)

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| CHEM 125 – Intro Mol Struct/Prop (F) | BCHM XXX (MFAT) | BCHM 317 Biochem (Biol) (F or Sp) |
| CHEM 234- Gen Chem II (Sp) | BCHM 350 OR 351(1) or HONR 398(4) Research **OPTIONAL** | BCHM 322 Biochem (Chem) (Sp) |
| CHEM 235-Org Chem I (F) | BIOL 121 Cellular Life (F) | BCHM 375 Capstone (Sp Sr 2 cr) |
| CHEM 236- Org Chem II (Sp) | BIOL 221 Organismal Bio. (Sp) | MATH 119 Calc I |
|  | BIOL 311 Cell. Biol. (F) | MATH 120 Calc II |
| CHEM 333 Thermo (F) OR  CHEM 334 Quantum (Sp) | BIOL 318 Mol. Biol. (Sp) | PHYS 191 (F) OR 105 (F) |
| CHEM 335 Analytical (F) | BIOL 3XX Elective | PHYS 200 (Sp) OR 106 (Sp) |

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Common Curriculum Requirements

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| FA | SS | Ethics | FAE | Intercultural |
| HUM | THEO -L | Language | Gender | Capstone (375) |
| HUM | THEO-U | FYS | Experiential |  |

**Biochemistry majors are recommended to enroll in BIOL (BCHM 317) in the Fall semester of the Junior year, followed by BCHM 322 in the Spring semester of the Junior year.    This will allow them to complete the entire Biochemistry course sequence (BCHM 317, 322) in the Junior year, giving students the optimal academic background to read the biochemistry literature and do biochemical research in their Senior year if they choose.   In cases when it is not possible to follow this recommendation (for example, if students study abroad in their Junior year), then students may BCHM 317 and 322 in any order in their Junior and Senior years.**