

# TYPICAL CURRICULUM for a B.S. DEGREE in CHEMISTRY

STUDENT: \_\_\_\_\_

revised in **2014** d DATES ADVISED: / / / / / / / / / /

| FRESHMAN [32]         |   | English        | Language             | Math  | Social Sciences | Electives           |
|-----------------------|---|----------------|----------------------|-------|-----------------|---------------------|
| <b>Chemistry</b>      |   |                |                      |       |                 |                     |
| 105 General I         | 3 | WRIT 100/101 3 |                      | 261 3 |                 | Dept. No. Hrs Grade |
| 115 General Lab I     | 1 | or HON 101     | 101 3                | 262 3 | 3               |                     |
| <i>opt</i> 107 Honors | 1 | WRIT 102 3     | 102 3                |       |                 |                     |
| 106 General II        | 3 | or LIBA 102    | or 121               |       | 3               |                     |
| 116 General Lab II    | 1 | HON 102        | (or III 6)           |       |                 |                     |
| <i>opt</i> 108 Honors | 1 |                | (German recommended) |       |                 |                     |

| SOPHOMORE [31]     |   | Physics | Language   | Math  | Electives           |
|--------------------|---|---------|------------|-------|---------------------|
| <b>Chemistry</b>   |   |         |            |       |                     |
| 221 Organic I      | 3 | 211 3   | 201 3      | 263 3 | Dept. No. Hrs Grade |
| 225 Organic Lab I  | 1 | 221 1   | 202 3      | 264 3 | 3                   |
| 222 Organic II     | 3 | 212 3   | (or 211 6) |       |                     |
| 226 Organic Lab II | 1 | 222 1   |            |       |                     |

| JUNIOR [28]          |   | English | Arts | Math  | Electives           |
|----------------------|---|---------|------|-------|---------------------|
| <b>Chemistry</b>     |   |         |      |       |                     |
| 314 Quant Analysis   | 4 | 22__ 3  |      | 319 3 | Dept. No. Hrs Grade |
| 331 Physical I       | 3 | 22__ 3  | 3    | 353   | 3                   |
| 332 Physical II      | 3 |         |      |       |                     |
| 337 Physical Lab     | 1 |         |      |       |                     |
| 423 Organic Analysis | 2 |         |      |       |                     |

- Two advanced electives from:**
- 512 Adv Analytical 3
  - 514 Electrochemistry 3
  - 519 Chem Separations 3
  - 527 Adv Organic I 3
  - 528 Adv Organic II 3
  - 529 Stereochem 3
  - 530 Adv Org Synth 3
  - 531 Quantum Chem 3
  - 532 Thermodynam 3
  - 534 Phys Biochem 3
  - 536 Dynamics 3
  - 544 Group Theory 3
  - 563 Applied Spectr 3

| SENIOR [29]         |   | Social Sciences & /or Humanities* | Electives           |
|---------------------|---|-----------------------------------|---------------------|
| <b>Chemistry</b>    |   |                                   |                     |
| 401 Inorg Chem Prin | 3 |                                   | Dept. No. Hrs Grade |
| 463 Research        | 2 |                                   | 2                   |
| 471 Biochemistry    | 3 | 3                                 |                     |
| 402 Inorganic lab   | 1 |                                   |                     |
| 463 Research        | 2 |                                   |                     |
| 469 Instrumental    | 4 | 3                                 |                     |
| Advanced Elective   | 3 |                                   |                     |
| Advanced Elective   | 3 |                                   |                     |
|                     |   |                                   |                     |

**Graduation Hour Requirements:**  
 120 Total hours  
 40 hours (1/3 of total) at 300 level or above [37 prescribed]  
 47 hours in chemistry  
 [3 upper] \*Note: Phi Beta Kappa requires 6 hr of History

[34 upper]