

**CHEMISTRY (B.S.) MAJOR CHECK-LIST  
BIOCHEMISTRY CONCENTRATION  
2013-14 CATALOG**

**MAJOR REQUIREMENTS**

68 credits in chemistry and allied courses

Required courses:

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| CHEM 102 _____ 4, CHEM 102L _____ 2 | CHEM 331* _____ 4, CHEM 331L _____ 2 |
| <b>-or-</b>                         |                                      |
| CHEM 105 _____ 4, CHEM 105L _____ 2 | CHEM 332 _____ 4, CHEM 332L _____ 2  |
| CHEM 214 _____ 4, CHEM 214L _____ 2 | CHEM 351 _____ 4, CHEM 351L _____ 2  |
| CHEM 221 _____ 4, CHEM 221L _____ 2 | CHEM 352 _____ 4                     |
| CHEM 222 _____ 4, CHEM 222L _____ 2 | CHEM 480 _____ 4                     |
| CHEM 241 _____ 4, CHEM 241L _____ 2 |                                      |

Allied courses:

Two from BIOL 220/220L, BIOL 236/236L, BIOL 312/312L, BIOL 314/314L, BIOL 322/322L, BIOL 332/332L  
\_\_\_\_\_ 4, lab \_\_\_\_\_ 2      \_\_\_\_\_ 4, lab \_\_\_\_\_ 2

Notes: Statistics and computer science recommended. Short term senior year should be in chemistry, biochemistry or closely related field. Students must write and defend a thesis and present it at the Hollins University Science Seminar or at another meeting sponsored by a professional society in chemistry.

\*Calculus and calculus-based physics are prerequisites for physical chemistry.

**GENERAL EDUCATION REQUIREMENTS**

| SKILLS COMPONENTS                           | PERSPECTIVES                              |
|---|---|
| Expository Writing _____ Addl Writing _____ | Aesthetic Analysis _____ 4                |
| Basic QR _____ Applied QR _____             | Creative Expression _____ 4               |
| Oral Communication _____                    | Premodern Worlds _____ 4                  |
| Applied Research _____                      | Modern and/or Contemporary Worlds _____ 4 |
| <b>SHORT TERMS</b>                          | Scientific Inquiry _____ 4-6              |
| 1) _____ 2) _____ 3) _____ 4) _____         | Social and Cultural Diversity _____ 4     |
| <b>PHYSICAL EDUCATION</b>                   | Global Systems _____ 4                    |
| 1) _____ 2) _____                           | Language Requirement _____ 0-8            |

**FREE ELECTIVE COURSES**

(credits required may vary depending on major(s) and Gen Ed courses completed)

|         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|
| _____ 4 | _____ 4 | _____ 4 | _____ 4 | _____ 4 | _____ 4 | _____ 4 | _____ 4 |
| _____ 4 | _____ 4 | _____ 4 | _____ 4 | _____ 4 | _____ 4 | _____ 4 | _____ 4 |

Total credits required for graduation = 140 semester credits plus 4 short terms (16 short term credits)

Student's Name \_\_\_\_\_ Advisor \_\_\_\_\_