

B.A. Chemistry
4-year Plan Sheet
(Students who begin in 2017-2018)

Check degree audit for Christian Service requirements.

Freshman Year

| <u>Fall Semester</u> | <u>Hours</u> | <u>Winter Semester</u> | <u>Hours</u> |
|---|--------------|--|--------------|
| _____ CHEM 151: Gen. Chem. I | 4 | _____ CHEM 152: Gen. Chem. II | 4 |
| _____ MATH 120: Precal. Alg. ¹ | 3 | _____ MATH 121: Precal. Trig. ¹ | 2 |
| _____ ENGL 101 | 3 | _____ ENGL 102 | 3 |
| _____ NOND 101: Southern Conn. | 1 | _____ RELB 125 or RELT 177 (R-1) | 3 |
| _____ PEAC 125: Fitness for Coll. Life | 1 | _____ Minor | <u>4</u> |
| _____ Minor | <u>4</u> | | |
| | 16 | | 16 |

Sophomore Year

| <u>Fall Semester</u> | <u>Hours</u> | <u>Winter Semester</u> | <u>Hours</u> |
|--|--------------|---|--------------|
| _____ CHEM 311: Org. Chem. I | 4 | _____ CHEM 312: Org. Chem. II | 4 |
| _____ MATH 191: Calculus I | 4 | _____ CHEM 315: Quant. Analysis | 4 |
| _____ COMM 135: Comm. Pub. Speak. | 3 | _____ MATH 215: Statistics (IN-4) or | |
| _____ PSYC 128 or SOCI 125 (IN-8) | 3 | _____ MATH 192: Calculus II ² | 3-4 |
| _____ CPTC 100: Comp. Conc. (IN-5) | 1 | _____ RELT 138, 225, or 255 (R-2) | 3 |
| _____ Elective | <u>1</u> | _____ Physical Activity (P-1b) | <u>1</u> |
| | 16 | | 15-16 |

Junior Year

| <u>Fall Semester</u> | <u>Hours</u> | <u>Winter Semester</u> | <u>Hours</u> |
|---|--------------|--|--------------|
| _____ U.D. CHEM elective ³ | 3 | _____ CHEM 385: Chemistry Seminar | 1 |
| _____ PHYS 211: Gen. Physics I ⁴ | 3 | _____ PHYS 212: Gen. Physics II ³ | 3 |
| _____ PHYS 213: Gen. Physics I Lab ⁴ | 1 | _____ PHYS 214: Gen. Physics II Lab ³ | 1 |
| _____ Minor | 3 | _____ Bibl. Stud. (not RELB 125) (R-3) | 3 |
| _____ Language (if needed) or Elective | 3 | _____ Language (if needed) or Elective | 3 |
| _____ U.D. Elective | 1 | _____ U.D. Minor | <u>4</u> |
| _____ Physical Activity (P-1b) | <u>1</u> | | |
| | 15 | | 15 |

Senior Year

| <u>Fall Semester</u> | <u>Hours</u> | <u>Winter Semester</u> | <u>Hours</u> |
|--------------------------------------|--------------|-------------------------------------|--------------|
| _____ CHEM 411: Phys. Chem. I (W) | 4 | _____ PEAC 425: Fit for Hire | 1 |
| _____ CHEM 496: Intro. Research (W) | 1 | _____ Steward., Bus, & Econ. (IN-9) | 3 |
| _____ CHEM 498: Research in Chem. | 1 | _____ U.D. Religion (R-4) (W) | 3 |
| _____ U.D. Minor | 3 | _____ Aesthetic Analysis (IN-10) | 3 |
| _____ U.D. Electives | 3 | _____ Electives | 1-2 |
| _____ Historical Perspectives (IN-6) | <u>3</u> | _____ U.D. Electives | <u>4</u> |
| | 15 | | 15-16 |

¹MATH 191 (Calculus I) may be taken if you have already taken Precalculus Algebra and Trigonometry at the college level or have a math ACT score of 28 or higher. Talk to your advisor regarding the math course for winter semester.

²Only MATH 215 counts toward general education requirements in area IN-4. MATH 192 may be taken as an elective.

³CHEM Elective: Check with your advisor to determine which chemistry courses will be offered during your junior and senior years. Physical Chem. II and Inorganic Chem. will be offered **every other year** during the same winter semester, while Instr. Analysis and Adv. Org. Chem. will be offered **every other year** in the alternate fall and winter semester. If you wish to take Biochemistry I as your elective, it is offered during the fall semester **every year**.

⁴PHYS 221-224 may be substituted.