Bachelor of Science (B.S.) Degree with Major in Chemistry

Sample Four-Year Plan Starting in Odd Year

First Year Fall (Odd Year)
- BBL 1013 Old Testament Survey
- CHM 1124 General Chemistry I
- COR 1002 Gateway Seminar
- EGL 1013 English I: Composition
- MTH 1134 Calculus I

Total Hours 16

First Year Spring (Even Year)
- BBL 1023 New Testament Survey
- CHM 1134 General Chemistry II
- EGL 1023 English II: Literary Analysis/Research
- MTH 1144 Calculus II

Total Hours 14

Second Year Fall (Even Year)
- CHM 3134 Organic Chemistry I
- HST 2013 Integrated Humanities I
- PHY 2114 General Physics I
- ___3 Social/Behavioral Sci. (SBS) Elective

Total Hours 14

Second Year Spring (Odd Year)
- CHM 3144 Organic Chemistry II
- HST 2023 Integrated Humanities II
- MTH 2103 Applied Statistics for Scientists
- PHY 2124 General Physics II
- ___2 Whole Person Wellness Elective

Total Hours 16

Third Year Fall (Odd Year)
- CHM 3183 Advanced Inorganic Chemistry
- CHIM ___4 Chemistry Elective
- ___3 Arts & Humanities (AH) Elective
- ___3 Intercultural Engagement Elective
- ___3 Elective

Total Hours 16

Third Year Spring (Even Year)
- BBL 2013 Essentials of Evangelical Theology
- CHM 4124 Physical Chemistry-Thermodynamic
- CHM ___3 Elective
- ___3 Elective
- ___2 Elective

Total Hours 15

Fourth Year Fall (Even Year)
- BBL 2022 Essentials of Christian Formation
- CHM 3114 Advanced Analytical Chemistry
- ___3 SBS or AH Elective (see above)
- ___3 Elective
- ___3 Elective

Total Hours 15

Fourth Year Spring (Odd Year) – Major Field Test Exam
- CHM 4134 Physical Chemistry-Quantum
- CHM 4501 Chemistry/Biochemistry Capstone
- GSC 4133 Faith and Science
- ___3 Elective
- ___3 Elective

Total Hours 14

Total Hours for Four Years: 120

Chemistry Electives
- CHM 1101 Chemistry Practicum (Request)
- CHM 3101 Chemistry Practicum: Teaching (Request)
- CHM 3164 Biochemistry I (Fall)
- CHM 3174 Biochemistry II (Spring, ODD)
- CHM 4221-3 Chemistry Research (Every)
- CHM 4310 Chemistry Internship (Every)
- RE 3124 Bio-Fuels & Biomass

Revised: 11/20/19 BTG
# Bachelor of Science (B.S.) Degree with Major in Chemistry

## Sample Four-Year Plan Starting in Even Year

### First Year Fall (Even Year)
- **BBL 1013** Old Testament Survey
- **CHM 1124** General Chemistry I
- **COR 1002** Gateway Seminar
- **EGL 1013** English I: Composition
- **MTH 1134** Calculus I
- **Total Hours 16**

### First Year Spring (Odd Year)
- **BBL 1023** New Testament Survey
- **CHM 1134** General Chemistry II
- **EGL 1023** English II: Literary Analysis/Research
- **MTH 1144** Calculus II
- **__2** Whole Person Wellness Elective
- **Total Hours 16**

### Second Year Fall (Odd Year)
- **CHM 3134** Organic Chemistry I
- **HST 2013** Integrated Humanities I
- **PHY 2114** General Physics I
- **__3** Social/Behavioral Sci. (SBS) Elective
- **Total Hours 14**

### Second Year Spring (Even Year)
- **CHM 3144** Organic Chemistry II
- **HST 2023** Integrated Humanities II
- **MTH 2103** Applied Statistics for Scientists
- **PHY 2124** General Physics II
- **Total Hours 14**

### Third Year Fall (Even Year)
- **CHM 3114** Advanced Analytical Chemistry
- **CHM ___4** Chemistry Elective
- **___3** Arts & Humanities (AH) Elective
- **___3** Elective
- **___2** Elective
- **Total Hours 16**

### Third Year Spring (Odd Year)
- **BBL 2013** Essentials of Evangelical Theology
- **CHM 4134** Physical Chemistry-Quantum
- **__4** Elective
- **__3** Elective
- **__2** Elective
- **Total Hours 16**

### Fourth Year Fall (Odd Year)
- **BBL 2022** Essentials of Christian Formation
- **CHM 3183** Advanced Inorganic Chemistry
- **___3** SBS or AH Elective (see above)
- **___3** Elective
- **___3** Elective
- **Total Hours 14**

### Fourth Year Spring (Even Year)
- **BIO 4103** Bioethics (or GSC 4133)
- **BIO 4501** Chemistry/Biochemistry Capstone
- **CHM 4124** Physical Chemistry-Thermodynamic
- **__3** Intercultural Engagement Elective
- **__3** Elective
- **Total Hours 14**

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**Total Hours for Four Years:** 120

### Chemistry Electives

- CHM 1101 Chemistry Practicum (Request)
- CHM 3101 Chemistry Practicum: Teaching (Request)
- CHM 3164 Biochemistry I (Fall)
- CHM 3174 Biochemistry II (Spring, ODD)
- CHM 4221-3 Chemistry Research (Every)
- CHM 4310 Chemistry Internship (Every)
- RE 3124 Bio-Fuels & Biomass

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*Revised: 11/20/19 BTG*