# Chemistry Four Year Schedule Outline

Bachelor of Arts or Bachelor of Science Degree

The courses outlined below are an ideal sequence of science courses for completing a chemistry degree. Please remember this is only a general outline. Your actual four-year plan will most likely vary. For questions, please meet with your academic advisor. *# = Course not needed for Bachelor of Arts Degree.*

## Year One

### First Semester

|  |  |
| --- | --- |
| Course | Credits |
| Fundamentals/General Chemistry I | 4 |
| MATH 1131Q. Calculus I | 4 |
| ENGL 1007 | 4 |
| General Education Course | 3 |
| UNIV 1800/1810/1820 | 1 |

**Total credits: 16**

### **Second Semester**

|  |  |
| --- | --- |
| Course | Credits |
| Fundamentals/General Chem II | 3/4 |
| MATH 1132Q. Calculus II | 4 |
| BIOL 1107, 1108, or 1110 *#* | 4 |
| General Education Course | 3 |

**Total credits: 14-15**

## Year Two

### Third Semester

|  |  |
| --- | --- |
| Course | Credits |
| Fundamentals of Gen Chem III (if needed) | 3 |
| CHEM 2443. Organic Chemistry 1 | 3 |
| MATH 2110Q. Multivariable Calculus | 4 |
| PHYS 1401Q. Physics w/ Calculus II | 4 |
| General Education Course | 3 |

**Total credits: 14-17**

### **Fourth Semester**

|  |  |
| --- | --- |
| Course | Credits |
| CHEM 2444. Organic Chemistry II | 3 |
| CHEM 2445. Organic Chemistry Lab | 3 |
| Math 2410Q. Elementary Differential Eq. | 4 |
| PHYS 1402Q. Physics w/ Calculus II | 4 |

**Total credits: 14**

## Year Three

### Fifth Semester

|  |  |
| --- | --- |
| Course | Credits |
| CHEM 3563. Physical Chemistry I | 3 |
| MCB 2000. Intro to Biochemistry | 4 |
| General Education Course | 3 |
| Related Course | 3 |
| Undergraduate Research | 3 |

**Total credits: 16**

### **Sixth Semester**

|  |  |
| --- | --- |
| Course | Credits |
| CHEM 3564. Physical Chemistry II | 3 |
| CHEM 3565W. Physical Chemistry Lab | 2 |
| CHEM 3332. Quant Analytical Chem | 4 |
| General Education Course | 3 |
| Elective or Research | 3 |

**Total credits: 15**

## Year Four

### Seventh Semester

|  |  |
| --- | --- |
| Course | Credits |
| CHEM 3334. Instrumental Analysis I *#* | 4 |
| CHEM 3210. Descriptive Inorg Chem | 2 |
| General Education Course | 3 |
| General Education, Elective, or Research | 3 |
| Elective or Research | 3 |

**Total credits: 15**

### **Eighth Semester**

|  |  |
| --- | --- |
| Course | Credits |
| CHEM 3214. Intermediate Inorganic Chem | 3 |
| CHEM 3215. Inorganic Chemistry Lab *#* | 3 |
| General Education Course | 3 |
| Elective | 3 |
| Elective | 3 |

**Total credits: 15**

## Total Credits: 120+

You must have a minimum of 120 credits to graduate.