

## Bachelor of Science for curriculum year 2018/2019

### Freshman Year

#### First Semester

- 4 – CH 1010 General Chemistry
- 4 – MATH 1060 Calculus I
- 4 – Technical Requirement
- 3 – Gen Ed

(15 hours total)

#### Second Semester

- 4 – CH 1020 General Chemistry
- 4 – MATH 1080 Calculus II
- 3 – PHYS 1220 Physics I
- 1 – PHYS 1240 Physics I lab
- 3 – ENGL 1030 Composition

(15 hours total)

### Sophomore Year

#### First Semester

- 3 – CH 2230 Organic Chemistry
- 1 – CH 2270 Organic Chem Lab
- 4 – MATH 2060 Calculus III
- 3 – PHYS 2210 Physics II
- 1 – PHYS 2230 Physics II lab
- 3 – Gen Ed

(15 hours total)

#### Second Semester

- 3 – CH 1520 Chemistry Communication
- 3 – CH 2050 Intro. to Inorganic Chemistry
- 3 – CH 2240 Organic Chemistry
- 1 – CH 2280 Organic Chem Lab
- 3 – Advanced Math requirement
- 3 – Gen Ed

(16 hours total)

### Junior Year

#### First Semester

- 3 – CH 3130 Quantitative Analysis
- 2 – CH 3150 Quantitative Analysis Lab
- 3 – CH 3310 Physical Chemistry
- 1 – CH 3390 Physical Chemistry Lab
- 1 – CH 3140 Introduction to Research
- 3 – Inorganic Chemistry requirement
- 3 – Elective

(16 hours total)

#### Second Semester

- 3 – CH 3320 Physical Chemistry
- 1 – CH 3400 Physical Chemistry Lab
- 3 – CH 3600 Chemical Biology
- 3 – CH 4110 Instrumental Analysis
- 2 – CH 4120 Instrumental Analysis Lab
- 3 – Elective

(15 hours total)

### Senior Year

#### First Semester

- 3 – CH 4430 Research Problems
- 3 – Chemistry elective
- 3 – Gen Ed
- 6 – Elective

(15 hours total)

#### Second Semester

- 2 – CH 4030 Advanced Synthesis Techniques
- 3 – CH 4440 Research Problems
- 3 – CH 4500 Chemistry Capstone
- 3 – Chemistry elective
- 3 – Elective

(14 hours total)

121 total credit hours

## Bachelor of Arts for curriculum year 2018/2019

### Freshman Year

#### First Semester

- 4 – CH 1010 General Chemistry
- 4 – MATH 1060 Calculus I
- 4 – Technical Requirement
- 3 – Gen Ed

(15 hours total)

#### Second Semester

- 4 – CH 1020 General Chemistry
- 4 – MATH 1080 Calculus II
- 3 – PHYS 1220 Physics I
- 1 – PHYS 1240 Physics I lab
- 3 – ENGL 1030 Composition

(15 hours total)

### Sophomore Year

#### First Semester

- 3 – CH 2230 Organic Chemistry
- 1 – CH 2270 Organic Chem Lab
- 4 – MATH 2060 Calculus III
- 3 – PHYS 2210 Physics II
- 4 – Modern Language requirement

(15 hours total)

#### Second Semester

- 3 – CH 1520 Chemistry Communication
- 3 – CH 2050 Intro. to Inorganic Chemistry
- 3 – CH 2240 Organic Chemistry
- 1 – CH 2280 Organic Chem Lab
- 3 – Gen Ed
- 4 – Modern Language requirement

(17 hours total)

### Junior Year

#### First Semester

- 3 – CH 3130 Quantitative Analysis
- 1 – CH 3170 Quantitative Analysis Lab
- 3 – CH 3310 Physical Chemistry
- 1 – CH 3140 Introduction to Research
- 3 – Gen Ed
- 3 – Minor requirement
- 3 – Modern Language requirement

(17 hours total)

#### Second Semester

- 3 – CH 3320 Physical Chemistry
- 3 – CH 3600 Chemical Biology
- 3 – Writing requirement
- 3 – Minor requirement
- 3 – Modern Language requirement

(15 hours total)

### Senior Year

#### First Semester

- 3 – Chemistry elective
- 3 – Minor requirement
- 3 – Gen Ed
- 6 – Elective

(15 hours total)

#### Second Semester

- 3 – CH 4500 Chemistry Capstone
- 3 – Chemistry elective
- 6 – Minor requirement
- 3 – Elective

(15 hours total)

124 total credit hours