

Chemistry Major 2016-2017

Biochemistry Concentration

Required Coursework

<u>Semester 1</u>	<u>Semester 2</u>
CHEM 105, C-PN	CHEM 107
THRS 117, C-TF	PHIL 120, C-PF
MATH 131, C-QR	MATH 132
BIOL 120	BIOL 121

<u>Semester 3</u>	<u>Semester 4</u>
CHEM 220	CHEM 222 or 232
CHEM 211	CHEM 312
BIOL 244	Elective/Minor/Core
Elective/Minor/Core	Elective/Minor/Core

<u>Semester 5</u>	<u>Semester 6</u>
PHYS 111 or 121	PHYS 112 or 122
CHEM 305 or 310	BIOL 373
Elective/Minor/Core	Elective/Minor/Core
Elective/Minor/Core	Elective/Minor/Core

<u>Semester 7</u>	<u>Semester 8</u>
CHEM 350	CHEM 351
CHEM 330	CHEM 332
Elective/Minor/Core	Elective/Minor/Core
Elective/Minor/Core	Elective/Minor/Core

Requirement Checklist

- CHEM 105 General Chemistry 1, C-PN
- CHEM 107 General Chemistry 2
- CHEM 211 Quantitative Analysis
- CHEM 220 Organic Chemistry
- CHEM 222 Organic Chemistry: Intermediate or CHEM 232 Organic Chemistry: Research Emphasis
- CHEM 312 Instrumental Analysis
- CHEM 330 Physical Chemistry 1
- CHEM 332 Physical Chemistry 2
- MATH 131 Calculus and Analytical Geometry 1, C-QR
- MATH 132 Calculus and Analytical Geometry 2
- PHYS 111 or 121 Fundamentals/General Physics 1
- PHYS 112 or 122 Fundamentals/General Physics 2

Biochemistry Concentration

- BIOL 120 General Biology 1
- BIOL 121 General Biology 2
- BIOL 244 Genetics
- BIOL 373 Molecular Biology
- CHEM 305 Inorganic Chemistry or CHEM 310 Organic Chemistry: Advanced
- CHEM 350 Biochemistry 1
- CHEM 351 Biochemistry 2

Students will complete Core PN and QR through their major coursework.

Students intending to go onto graduate school may also want to take MATH 233 and 310.