

Chemistry and Biochemistry Concentration

Bachelor of Science in Natural Science

All classes are 3 units unless otherwise specified. 122 units are required to graduate.

<p style="text-align: center;">Natural Science Core Courses (26 units)</p> <p>BIO 105 & 105L General Biology I with Lab (4) BIO 110 & 110L General Biology II with Lab (4) CHEM 105 & 105L General Chemistry I with Lab (4) CHEM 110 & 110L General Chemistry II with Lab (4) MTH 105 Statistics MTH 110 Calculus I PHY 105 & 105L Physics I with Lab (4)</p>	<p style="text-align: center;">Chemistry & Biochemistry Concentration (33 units)</p> <p>CHE 215 & 215L Organic Chemistry I with Lab (4) CHE 220 & 220L Organic Chemistry II with Lab (4) CHE 300 & 300L Biochemistry I with Lab (4) CHE 305 Physical Chemistry I CHE 310 Physical Chemistry II CHE 420 Analytical Chemistry MTH 210 Calculus II MTH 310 Calculus III HUM 498 Capstone 1: Research BIO 496 Senior Thesis</p>
<p style="text-align: center;">Concentration-Related Electives (6 units)</p> <p style="text-align: center;"><i>Choose from the courses below in consultation with your faculty advisor</i></p> <p>BIO 225 Genetics and Genomes BIO 230 Zoology BIO 240 Global Ecology BIO 305 & 305L Human Physiology and Anatomy I with Lab (4) BIO 310 & 310L Human Physiology and Anatomy II with Lab (4) BIO 345 & 345L Microbiology of Disease with Lab (4) BIO 430 Neuroscience KIN 215 Fundamentals of Nutrition PH 200 Epidemiology PSY 150 Introductory Psychology PSY 250 Phys Correlates of Human Behavior PSY 320 Applied Cognition PSY 330 Developmental Psychology PSY 345 Social Psychology</p>	<p style="text-align: center;">Other Electives (6 units)</p> <p style="text-align: center;">See the course catalog and meet with your faculty advisor to review options that fit your interests and career aspirations.</p>
<p style="text-align: center;">Integrated Core (18 units)</p> <p>INT 100 Interdisciplinary Liberal Studies INT 200 Classical Rhetoric INT 205 Byzantine Studies INT 300 Ethics INT 310 Modern European Thought & Culture INT 350 The American Experiment</p>	<p style="text-align: center;">General Education (33 units)</p> <p>COM 105 Oral Communication CSS 100 College Success Strategies ECO 100 Introduction to Economics MTH 100 College Algebra THE 100 & THE 110 Christianity and the Bible WRI 100 & WRI 105 College Composition Foreign Language (3 semesters)</p>