

Biochemistry – Chemistry Emphasis (BS) (BIOC)

Entrance Requirements

Science: 4 semesters of HS science other than physical science, \geq on ACT science subscore.

Deficiency: 3 hours in field other than HS

Foreign Language: 4 semesters, one language, in HS.

Deficiency: 6 hours in one language.

Other Notes

Entering students with fewer than 64 hours and all students planning to take their first college math course must have appropriate SAT/ ACT/ COMPASS scores for placement. Consult the current university catalog for information on the schedule of future course offerings and prerequisites for course enrollment.

See catalog for dual degree requirements

Exceptions must be approved on the appropriate exception or substitution form.

Electives

General electives (may include deficiency in foreign language); may **not** include Academic Advance courses; arrange to ensure \geq 33 advance hours.

<p>University Core</p> <p>Bible</p> <p>BIBL 101 Life and Teachings of Jesus 3</p> <p>BIBL 102 Acts-Revelation 3</p> <p>BIBL 211 Message of the Old Testament 3</p> <p>BIBL 212 Christianity in Culture 3</p> <p>Advanced Bible 3</p> <p>English</p> <p>ENGL 111 Composition and Rhetoric 3</p> <p>Literature 3</p> <p>Speech</p> <p>COMS 111 Fundamentals of Communication 3</p> <p>History 100-299 3</p> <p>Science</p> <p>BIOL 112 General Biology I 3</p> <p>PHYS 110 General Physics <i>or</i></p> <p>PHYS 120 Engineering Physics 3</p> <p>Mathematics</p> <p>MATH 124 Precalculus II 3</p> <p>EXSC 100 +3 activities 4</p> <p>UNIV 100 University Seminar 1</p> <p>Total University Core 41</p> <p>BS Degree Core</p> <p>English</p> <p>ENGL 112 Composition and Literature 3</p> <p>Social Sciences/ Humanities</p> <p>Choose from: anthropology, economics (also AGRB 261), geography, history, philosophy, political science, psychology, sociology (maximum one course per area) 9</p> <p>Fine Arts</p> <p>Choose one: ART 101, MUSM 230, THEA 220 <i>or</i> THEA 250 3</p> <p>Total BS Core 15</p>	<p>Major Requirements</p> <p>Chemistry</p> <p>CHEM 131/ 133 General Chemistry I Lecture/Lab 4</p> <p>CHEM 132/ 134 General Chemistry II Lecture/Lab 4</p> <p>CHEM 221/ 223 Organic Chemistry I Lecture/Lab 4</p> <p>CHEM 322/ 324 Organic Chemistry II Lecture/Lab 4</p> <p>CHEM 323 Chemical Literature and Seminar 1</p> <p>CHEM 353 Analytical Separations 2</p> <p>CHEM 453 Biochemistry I 3</p> <p>CHEM 454 Biochemistry II 3</p> <p>CHEM 455 Analytical Biochemistry 2</p> <p>Biology</p> <p>BIOL 114 General Biology I Lab 1</p> <p>BIOL 113/115 General Biology II Lecture/Lab 4</p> <p>BIOL 312 Cell Biology 3</p> <p>Physics</p> <p>PHYS 111 General Physics Lab <i>and</i></p> <p>PHYS 112/113 General Physics II Lecture/Lab <i>or</i></p> <p>PHYS 121 Engineering Physics Lab <i>and</i> 1</p> <p>PHYS 122/123 Engineering Physics II Lecture/Lab 4</p> <p>Total 40</p> <p>Supplement for Major</p> <p>Chemistry</p> <p>CHEM 333 Physical Chemistry 4</p> <p>CHEM 334 Physical Chemistry II 4</p> <p>CHEM 443 Inorganic Chemistry 3</p> <p>CHEM 352 General Spectroscopy <i>or</i></p> <p>CHEM 354 Organic Spectroscopy 2</p> <p>Mathematics</p> <p>MATH 183/185 Calculus I Lecture/Lab 4</p> <p>MATH 186 Calculus II 3</p> <p>Total 20</p>
<p>Electives</p> <p>Minimum 12</p>	<p>Other Graduation Requirements</p> <p>Minimum GPA for graduation 2.00</p> <p>Minimum advanced hours 33</p> <p>Minimum total hours 128</p> <p><i>ACAD hours do not count in minimum hours required for degree</i></p>