

BCHM 317 Biochemistry I (4)

Lecture and laboratory study of the chemical characteristics of biological molecules with emphasis on bioenergetics, enzymes, metabolic pathways and integration, biological signals and membrane receptors. (Enroll in BIOL 317, which gets changed to BCHM 317 by registrar.) Prerequisites: BIOL 121, 221 and CHEM 235 (for students enrolled before 2011) or CHEM 251 (for students enrolled in Fall 2011 or later), or instructor's consent. Fall or Spring.

BCHM 351 Laboratory Research (1-4)

Optional elective laboratory research done under the supervision of a faculty advisor. Emphasis on planning, conducting, and evaluating laboratory research. Students review the literature, write a final paper and give an oral presentation at the end of their senior year. Although students may register for the course in the Fall and/or Spring semesters of their senior year, they must select an advisor and sign a research contract in the beginning of their senior year. Fall or Spring. Senior year. Course offered for A-F grading only.

BCHM 371 Independent Study (1-4)

Supervised reading or research at the upper-division level. Permission of department chair and completion and/or concurrent registration of 12 credits within the department required. Consult department for applicability towards major requirements. Not available to first-year students.

BCHM 375 Biochemistry Capstone (2)

Literature research done under the supervision of a faculty instructor. Required for all biochemistry majors. Students attend regular class meetings focusing on their literature research progress, literature review, and preparation of a final paper and oral presentation given at the end of their senior year. Prerequisite or co-requisite BCHM 317: Spring senior year. Those students graduating in December should take the course in the Spring before their graduation. Those students graduating in December should take the course in the Spring before their graduation. Course offered for A-F grading only.

BCHM 398 Honors Senior Essay, Research or Creative Project (4)

Required for graduation with "Distinction in Biochemistry." Prerequisite: HONR 396 and approval of the Biology or Chemistry department chair and Director of the Honors Thesis program. For further information see HONR 398.

BCHM XXX Biochemistry Comprehensive Exam (0)

A zero credit course, the grade of which reflects the Biochemistry major's performance at graduation on a nationally normed Major Field Assessment Test.