BIOCHEMISTRY (BIOC)

Courses

BIOC 6001. General Biochemistry I. 3 Credits.
Survey for science majors. Chemistry, structure, metabolism, and function of proteins, carbohydrates, lipids; enzymes, bioenergetics and respiratory processes. Prerequisite: CHEM 2585 or Instructor permission.

BIOC 6002. General Biochemistry II. 3 Credits.
Survey for science majors. Amino acids, nucleic acids, protein synthesis, cellular and physiological control mechanisms. Prerequisite: BIOC 6001 or Instructor permission.

BIOC 6051. Proteins I: Structure & Function. 3 Credits.
Special Topics: Introduction to concepts in protein structure and chemistry as well as exploration of ideas in a hands-on fashion using computational resources. Prerequisite: BIOC 6001 or Department permission.

BIOC 6072. Cancer Biology. 3 Credits.
Overview of cancer biology for health science students. Foundation for cancer research. Lecture format; interdisciplinary viewpoint; outside lectures. Prerequisite: BIOC 6001 or Department permission.

BIOC 6391. Master's Thesis Research. 1-12 Credits.
Research for the Master's Thesis.

BIOC 6990. Special Topics. 1-12 Credits.

BIOC 6991. Internship. 1-18 Credits.
On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

BIOC 6993. Independent Study. 1-18 Credits.
A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

BIOC 6995. Graduate Independent Research. 1-18 Credits.
Graduate student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

BIOC 7491. Doctoral Dissertation Research. 1-12 Credits.
Research for the Doctoral Dissertation.

BIOC 7990. Special Topics. 1-18 Credits.
See Schedule of Courses for specific titles.

BIOC 7991. Internship. 1-18 Credits.
On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

BIOC 7995. Graduate Independent Research. 1-18 Credits.
Graduate student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.