

BIOCHEMISTRY (BIOC)

Courses

BIOC 5990. Special Topics. 1-18 Credits.

See Schedule of Courses for specific titles.

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 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. 1-18 Credits.

See Schedule of Courses for specific titles.

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 7001. Critical Reading and Analysis. 2 Credits.

Acquire a working knowledge of some highly impactful studies conducted in the field of biochemistry. By carefully reading and reviewing a series of classic and contemporary scientific papers, gain a greater appreciation for some of the conceptual and technical innovations in experimentation that provided answers to vexing problems or created entirely new fields of inquiry. Prerequisite: BIOC 6001.

BIOC 7491. Doctoral Dissertation Research. 1-18 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.