APPROVED 4-HR CHEMISTRY/BIOCHEMISTRY ELECTIVES

Each student must complete four hours of chemistry or biochemistry elective with a lab experience. The following courses may be used to fulfill this requirement. Additional courses may be approved by the ChE Undergraduate Faculty Advisor and require approval prior to registering for the course.

NOTE: not all courses may be offered every semester. Check a current course schedule for course offerings. It is the student’s responsibility to check that all prerequisites are met prior to enrolling in a course.

CHEMISTRY
CH 431  Inorganic Chemistry
CH 354  Quantum Chemistry and Spectroscopy + CH 154K Physical Chemistry Laboratory
CH 354L  Physical Chemistry II + CH 154K Physical Chemistry Laboratory
CH 455  Fundamentals of Analytical Chemistry

CHEMISTRY + CHEMICAL ENGINEERING RESEARCH
CH 339K  Biochemistry I + CHE 177K – Undergraduate Research
CH 354  Quantum Chemistry and Spectroscopy + CHE 177K – Undergraduate Research
CH 369  Fundamentals of Biochemistry + CHE 177K – Undergraduate Research

CHEMISTRY + BIOLOGY LAB
CH 339K  Biochemistry I + BIO 205L Lab Experiments in Biology: Cellular and Molecular Biology
CH 339K  Biochemistry I + BIO 206L Lab Experiments in Biology: Structure and Function of Organisms

BIOCHEMISTRY + LAB (BIO lab or Chemical Engineering Research Course)
BCH 339F  Foundations of Biochemistry BCH
BCH 339J  Chemical and Synthetic Biology
BCH 339M  Struct and Funct of Mol Machines
BCH 339N  Systems Bio and Bioinformatics
BCH 369  Fundamentals of Biochemistry
BCH 370  Physical Methods of Biochemistry

February 2015