Course:

CHEM 252 Advanced Organic Chemistry

4 hours

Majors, Minors & Degrees:

Majors
Chemistry (B.S.)

Departments/Programs:

Chemistry

Topics presented in this course are reaction mechanisms, modern synthetic methodology, and the application of molecular modelling computational methods to organic chemistry. The laboratory work includes syntheses illustrative of special techniques, experiments concerned with the determination of reaction mechanisms, use of molecular modelling and molecular orbital computational programs, and research simulation.

Two lectures and two 3-hour labs per week.

Prerequisite(s): CHEM 221 Physical Chemistry I, Thermodynamics and Kinetics. MATH 106 Calculus II strongly recommended.