

ORGANIC CHEMISTRY COMPUTER PROGRAMS
LEARNING RESOURCE CENTER

The following computer programs are available in the Learning Resource Center (LRC) on the fourth floor of Bayramian Hall. A number of students have found these programs to be very helpful.

Concentrated Chemical Concepts
Trinity Software

This program includes numerous lessons and problem-solving drills for a wide range of topics in general chemistry, organic chemistry and biochemistry.

NameIt
Trinity Software

This program gives you practice in naming a variety of organic compounds. A wide range of functional groups is covered.

Organic Reaction Drills
Falcon Software

This program is a series of multiple-choice problem-solving drills covering aspects of most preparative reactions found in the year-long organic chemistry courses.

Organic Reaction Animations
W. W. Norton

This CD includes high-quality graphical animations of many reaction mechanisms. Extremely informative!

SynTree
Trinity Software

This program teaches you how to design logical syntheses of organic compounds, and uses the tools of retrosynthetic analysis in a graphically engaging manner.

Introduction to Spectroscopy
Trinity Software

This program includes lessons and quizzes to teach problem-solving skills in spectral interpretation problems. Infrared spectroscopy, ^1H and ^{13}C NMR spectroscopy, and mass spectrometry are covered.

Spectral Interpretation Trinity Software

This program is a supplement to Trinity Software's "Introduction to Spectroscopy," and includes spectral data for over 170 compounds.

HNMR, CNMR and 2D NMR Predictors Advanced Chemistry Development

These programs allow you to draw a chemical structure and calculate the expected ^1H , ^{13}C and 2D NMR spectra. The resulting spectra are annotated, so you can easily see which resonance corresponds to each structural component.

Mass Spec Analyzer Trinity Software

This program assists you in mass-spectral problem solving. Molecular ions and common fragmentations are described in detail.