



Course Number Course Name	CHEM 210L INTEGRATED ORGANIC & BIOCHEMISTRY LAB
Credit Value (Breakdown of theory and lab credits)	1 Laboratory
Catalog Course Description	This course provides experiences with the physical properties and laboratory synthesis of organic compounds. Includes exercises in the preparation, separation, isolation, and characterization of biologically derived molecules.
Student Learning Outcomes/Objectives /Competencies of the Course	<ol style="list-style-type: none"> 1. Identify and name basic organic compounds. 2. Construct/draw organic compounds from the names. 3. Predict the products of certain organic chemical reactions from reagents and conditions presented. 4. Recognize and name the four basic bioorganic units and certain of their derivatives and macromolecules. 5. Compare and contrast the function and location of the four bioorganic units and their macromolecules and cofactors. 6. Draw/recognize stereochemistry and explain its relevance to bioorganic molecules. 7. Discuss the pathways and functions of some of the cellular metabolic processes. 8. Recognize and describe metabolic cellular processes and macromolecular structure with respect to health and/or disease states.
College-Wide Student Learning Outcomes	<i>This lab will be assessed in conjunction with the associated lecture/theory course which is a co-requisite.</i>