



<b>Course Number</b> <b>Course Name</b>	CHEM 3341 Survey of Biochemistry
<b>Credit Value</b> <b>(Breakdown of theory and lab credits)</b>	3 Theory
<b>Catalog Course Description</b>	Covers the basic principles of biochemistry, including properties of nucleic acids, proteins, carbohydrates, fats, and lipids, while also introducing the chemistry of metabolic pathways, pH regulation, membranes and receptors, cell organization, enzymes kinetics and mechanisms, hormonal regulation, energy transformations, chemical reactions in living cells, ATP synthesis and use, and biochemical genetics.
<b>Course Student Learning Outcomes/Objectives /Competencies</b>	Objectives: 1. To learn the basic chemical and structural features of important classes of biomolecules, for example peptides, carbohydrates and nucleic acids. 2. To learn the principles of these molecules interactions and dynamics in cellular systems. 3. To learn the basic features of various metabolic pathways.
<b>College-Wide Student Learning Outcomes measured (General education courses only)</b>	
<b>Program Student Learning Outcomes measured</b>	1. The student should be able to communicate effectively using oral and written reports containing technical data.