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# CHEMISTRY

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- CHEM 241L      Organic Chemistry Lab I** **1 Credits**  
Laboratory exercises in introductory organic chemistry. Stereochemistry, separation and purification techniques, micro-scale organic reaction procedures.
- CHEM 242L      Organic Chemistry Lab II** **1 Credits**  
Laboratory exercises in intermediate organic chemistry with continued emphasis on micro-scale organic reaction procedures. Introduction to the identification of organic compounds using chemical and instrumental means (qualitative analysis).
- CHEM 100      Molecules/Life Modrn Wrld** **3 Credits**  
Introduction to chemistry in its many forms and applications, physical and organic, with consideration of environmental and social issues. Includes laboratory activities.
- CHEM 121      General Chemistry I** **4 Credits**  
Fundamentals of chemistry including reaction stoichiometry, atomic structure, chemical bonding, molecular structure, states of matter, and thermochemistry.
- CHEM 122      General Chemistry II** **4 Credits**  
Fundamentals of chemistry including solutions, kinetics, equilibria, thermodynamics, electrochemistry, nuclear chemistry, and properties of inorganic and organic compounds. Also, introduction to qualitative analysis.
- CHEM 241      Organic Chemistry I** **3 Credits**  
Intensive introduction to the theory of carbon chemistry with particular emphasis on understanding the relationship between the structure and behavior of organic molecules.
- CHEM 242      Organic Chemistry II** **3 Credits**  
Continuation of CHEM 241 with emphasis on complex reactions and mechanisms, and introduction to advanced approaches for the synthesis of organic molecules.
- CHEM 292      Selected Topics in Chemistry** **1-3 Credits**  
Independent study of a special problem, research and/or assigned reading in chemistry. May be repeated up to six credits.
- CHEM 392      Special Topics in Chemistry** **1-3 Credits**  
Laboratory or lecture course in area not covered in other courses. May be repeated up to six credits.
- CHEM 492      Advanced Topics in Chemistry** **1-2 Credits**  
Selected topics from the various disciplines of chemistry not covered by any other course offerings and of current interest to students and faculty. May be repeated up to four credits.