Courses in Chemistry

**A Chm 105**
Chemistry in Our Lives (3)
*This course offered online through the Blackboard Learning System.* The purpose of this course is to provide students with an understanding of the fundamental principles of chemistry and their applications in everyday life. The course will explore the impact of chemistry on modern life by looking at its role in the environment, medicine, nanotechnology and polymers. Does not yield credit toward the major or minor in chemistry. Prerequisite(s): none.

(2082) Henck, Colin
4 Week 1: May 29-June 22
*Online course in Blackboard*

**A Chm 120**
General Chemistry I (3)
Atomic theory, quantitative relationships in chemical change, electronic structure of atoms and chemical periodicity, chemical bonding, and states of matter.

(1094) Sugathapala, Priyantha
4 Week 1: May 29-June 22
MTWThF 8:30a.m.-10:50a.m.
LC-19
*The below section is a blended/hybrid course. Students will be required to take mid-term on July 6 & final exam on July 20 at the UAlbany campus or a previously-approved alternative location. All other coursework will be completed fully online through the Blackboard Learning System. Contact the instructor for details and acceptable remote testing locations.*

(2366) Niu, Li
4 Week 2: June 26-July 21
*Blended/hybrid course in Blackboard*

**A Chm 124**
General Chemistry Laboratory I (1)
Introduction to laboratory techniques, experiments demonstrating chemical principles in General Chemistry I, including stoichiometry, calorimetry, and properties of some elements and compounds. Co-requisite or Prerequisite(s): A Chm 120 or 130. *An Additional $25 Class Fee will be charged for this course.*

(1095) Henck, Colin
4 Week 1: May 29-June 22
MWTTh 12:30p.m.-4:15p.m.
CH-140

(1096) Henck, Colin
4 Week 1: May 29-June 22
MWTTh 12:30p.m.-4:15p.m.
CH-145

(1276) Henck, Colin
4 Week 1: May 29-June 22
MWTTh 12:30p.m.-4:15p.m.
CH-146

(1891) Henck, Colin
4 Week 2: June 26-July 21
MWTTh 12:30p.m.-4:15p.m.
CH-150
A Chm 121
General Chemistry II (3)
Elementary principles of chemical equilibrium, thermodynamics, and kinetics; electrochemistry; descriptive chemistry of the elements and their compounds. Prerequisite(s): A Chm 120 or 130.

A Chm 125
General Chemistry Laboratory II (1)
Application of laboratory techniques, experiments demonstrating chemical principles of General Chemistry II, including solution properties, kinetics, equilibrium, and qualitative analysis of some anions and cations. Prerequisite(s): A Chm 124; corequisite(s) or prerequisite(s): A Chm 121 or 131. An Additional $25 Class Fee will be charged for this course.

A Chm 220
Organic Chemistry I (3)
Structure, synthesis, and reactions of the principal classes of organic compounds, stressing the underlying principles of reaction mechanisms and stereochemistry techniques. Prerequisite(s): A Chm 121 or 131.

A Chm 222
Organic Chemistry Laboratory I (1)
Basic techniques of organic chemistry including extraction, crystallization, distillation, and chromatography; physical properties of compounds. Corequisite(s) or prerequisite(s): A Chm 220. An Additional $32 Class Fee will be charged for this course.
A Chm 221
Organic Chemistry II (3)
Introduction to spectroscopic characteristics or organic compounds; continued classification of 'reaction types' exhibited by organic molecules; chemistry of carbonyl compounds; aspects of aromatic chemistry, heterocycles, nitrogen compounds, polymers, and biologically important molecules. Prerequisite(s): A Chm 220.

A Chm 223
Organic Chemistry Laboratory II (1)
Application of basic techniques of organic chemistry to the synthesis and qualitative analysis of organic compounds. Applications of IR and NMR spectroscopy. Prerequisite: A Chm 222. Corequisite(s) or prerequisite(s): A Chm 221. An Additional $32 Class Fee will be charged for this course.

A Chm 342
Biological Chemistry I (3)
The chemistry and biochemical interrelationship of carbohydrates, lipids, and nucleic acids; enzyme catalysis and introduction to metabolism. Only one of A CHM 342 and A BIO 365 may be taken for credit. Prerequisite(s): A CHM 220 and A CHM 221 and a grade of C (2.0) or better in A BIO 212Y.

(1893) Yigit, Mehmet
4 Week 2: June 25-July 20
MTWThF 8:30a.m.-10:50a.m.
LC-04