CHM 030: Introduction to Chemical Principles  
4 credits (NS)  
*There are over 20 sections available; please see course schedule search for days and times  
An introduction to important topics in chemistry: atomic structure, properties of matter, chemical reactions, energy, structure and bonding in organic and inorganic compounds. The course features a lecture tightly linked to a three-hour studio experience that combines laboratory work and recitation.

CHM 031: Chemical Equilibria in Aqueous Systems  
CRN 40947; 4 credits (NS) MWF 9:10 – 10:10am & M 1:10 – 4:00pm  
CRN 41000; 4 credits (NS) MWF 9:10 – 10:10am & T 1:10 – 4:00pm  
CRN 40948; 4 credits (NS) MWF 9:10 – 10:10am & W 1:10 – 4:00pm  
CRN 42640; 4 credits (NS) MWF 9:10 – 10:10am & F 1:10 – 4:00pm  
An introduction to: intermolecular forces and their influence on physical properties and phase behavior; chemical kinetics; thermodynamics in chemical systems; and electrochemistry. The course includes a detailed treatment of equilibria in aqueous solutions, including acid-base, precipitation-solubility, metal-ligand, oxidation-reduction and distribution equilibria. The laboratory work emphasizes the qualitative and quantitative analysis of equilibria in aqueous media. Three lectures and one three-hour laboratory period.  
Prerequisites: CHM 030 or 040 AND MATH 021 or 031 or 051 or 076

CHM 040: Honors General Chemistry I  
CRN 41543; 4 credits (NS) MWF 9:10 – 10:00am & R 7:45 – 10:35am with Prof. Ferguson  
CRN 41531; 4 credits (NS) MWF 10:10 – 11:00am & R 1:10 – 4:00pm with Prof. Ferguson  
A first-semester course in chemistry for students planning to major in chemistry, biochemistry, chemical engineering, materials science, or other chemistry-related fields. Chemical and physical properties, structures, bonding concepts, and quantitative analysis. Laboratory includes synthesis, separation and analysis procedures; computer applications to chemistry. Three lectures and one three-hour laboratory period.