ADVANCED GENERAL CHEMISTRY

Covers similar material as CHEM-UA 125, but in more depth, using a different text to support the topics and students are selected for the course. In addition to the core material, whenever possible, current research results pertaining to these topics are included in class discussions. Laboratories provide illustration and reinforcement of course topics. Experiments include studies of stoichiometry, acid-base chemistry, properties of gases, colligative properties of solutions, thermochemistry, equilibrium, electrochemistry, and kinetics. Many experiments are augmented by the use of interfaced computers. Also includes individualized projects intended to provide a research-like experience.

The course prerequisites are: AP Chemistry 5 or equivalent; AP Calculus AB 4 or equivalent; good performance in high school physics or Physics SAT II and permission of the department. Corequisite: Calculus II (MATH-UA 122).

Interested students should contact Carol Hollingsworth

Requests received after July 3 will be considered as space permits.