

Chemistry Placement Exam for Engineering Major

1. The purposes of Chemistry Placement Exam are to acquaint students with the skills that are needed to succeed in the General chemistry 1034, and to identify those students who are eligible for placement into Chemistry 1034.
2. The Chemistry Placement Exam is only required of Engineering Major students wishing to enroll directly into General Chemistry 1034 who want to bypass General Chemistry 1013 or 1033. All other students are not required to take the test.
3. You are qualified to register Chem1034 if you score 70% on both math and chemistry portions of the Chemistry Placement Exam.
4. Those students who failed the Chemistry Placement Exam will be placed in General Chemistry 1013 or 1033 first.
5. You may take the Chemistry Placement Exam during your orientation on campus (during summer or winter breaks) or sign up with Dr. Fan (during semester, email: HJFAN@pvamu.edu; Tel: (936) 261-3111) directly with a minimum of two business days ahead of the test.
6. You will need to bring to the exam a valid/current picture I.D., #2 pencil and calculator.
7. The chemistry portion of the exam covers the following areas:
 - Symbols, formulas, formula weights
 - The mole concept
 - Chemical stoichiometry, calculations based on a given equation
 - Atomic size, ionization energy, electronegativity, etc. trends
 - Molarity
 - Nomenclature
 - Subshell configurations
 - Lewis electron dot representations
 - Shapes of molecules and ions
 - Balancing equations
 - Acid - base equations
8. A few good web sites for the review and prepare the exam
 - <http://antoine.frostburg.edu/chem/senese/101/tutorials/>
 - <http://www.chemtutor.com/numbr.htm>
 - <http://www.chem.vt.edu/RVGS/ACT/notes/ACT-notes.html>
 - <http://homepage.smc.edu/walker>