

Guidelines for Chemistry Students at Peralta Colleges

<i>What type of student are you?</i>	<i>You Should Take</i>
Never had Chemistry before	CHEM 30A or 50
Had Chemistry but forgot (3 years ago or more)	CHEM 30A or 50
Biomanufacturing	CHEM 30A (requirement for certificate)
Nursing, Allied Health	CHEM 30A, maybe 30B
Pre-Med, Pre-Dental, Pre-pharmacy	CHEM 1A*, 1B, 12A, 12B (Note: 1A requires a strong math background, and critical thinking skills)
Physical Therapy	CHEM 1A*, 1B
Physician Assistant (PA)	CHEM 1A*, maybe more
General Ed Science course	CHEM 30A or 50 (don't try 1A)

(*the prerequisite for CHEM 1A is MATH 203 or 211D)

August 2012

Chemistry Courses

<i>Chemistry class</i>	<i>Description</i>
CHEM 1A	Not considered an introductory chemistry class! First semester of the year-long course General Chemistry, which is 1 st year college chemistry. Heavy workload in math, writing, and critical thinking; strong expectation of previous exposure to chemistry. Currently, 50 percent of students who start 1A either withdraw or receive a non-passing grade because they are underprepared for the rigors of the class. Students entering 1A are expected to take 1B at one of the Peralta colleges.
CHEM 1B	Second semester of General Chemistry. Same workload as 1A, with math, writing, and critical thinking.
CHEM 12A/B	Organic Chemistry. 2 nd year college chemistry (aka sophomore chemistry). Heavy workload in theory and practice of organic chemistry. Laboratory portion requires large time commitment. Should not be attempted without a solid year of General Chemistry. (Chem 30A/B does not fulfill the prerequisite for this class)
CHEM 30A	This is an introductory Chemistry course. Introduction to Inorganic Chemistry (considering renaming the course Introduction to General Chemistry) has an allied health focus. Recommended for students who have never had a chemistry course. Designed for students interested in nursing or dental hygiene – meets most prerequisites for these programs – or as an introductory course in preparation for Chem 1A. CHEM 30A is not open for credit to students who have already completed CHEM 1A. Less math intensive as CHEM 1A/B, though elementary algebra is required. The labs are less intense and do not require as much writing as CHEM 1A/B
CHEM 30B	Introduction to Organic Chemistry and Biochemistry, like CHEM 30A, has an allied health focus. Required by some nursing schools, the complete sequence 30A/B provides a comprehensive overview of General, Organic and Biochemistry. Note that CHEM 1A can serve as a prerequisite to 30B,

	as well as CHEM 30A.
CHEM 50	Beginning Chemistry. Similar topics to CHEM 30A with more math and problem solving emphasis. Preparatory course for CHEM 1A. Recommended for students who would like to refresh their memory, have never had a chemistry course, are preparing for a science degree, or who wish to experience the joy of a college chemistry class.