

## PRE-NURSING/ALLIED HEALTH/BIOTECH

### Student Education Plan – First Semester

First Name:	Last Name:
Solano Student ID#:	Major:
Educational Goal:	GE Option:

	Yes	No
ENGL 001		
LR 010 – <b>Must</b> be taken with ENGL 001		
ENGL 310D – Suggested if overall HS GPA is 2.6 or below unless Jr/Sr English grades of B or better		
MATH 011		
MATH 311 – Suggested if overall HS GPA is below 3.0 (or below 2.3 if completed precalculus or higher)		
CHEM 010 OR CHEM 012 OR CHEM 160 (take CHEM 160 if no high school chemistry with a C or better)		
Other – Please specify		

Counselor Name (if known):	Date:
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For Counselor Use Only - Notes:
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#### Chem 010 – Intermediate Chemistry (4 units)

Prerequisite: Recommendation of MATH 104 based on a Multiple Measures Evaluation.

A general chemistry course often required for nursing students and for students majoring in physical therapy, occupational therapy, industrial technology and home economics, it emphasizes the chemistry of inorganic compounds and covers selected topics such as atomic theory, bonding, equations, gas laws, solutions, acid-base theory, and oxidation-reduction. Field trip may be required. Online homework may be required. NOTE: Not open for credit to students who have completed CHEM 001.

#### Chem 012 – Chemistry for the Health Sciences (5 units)

An overview of general, organic chemistry, and biochemistry for majors in nursing and other allied health occupations. Topics covered include chemical bonding, chemical equations, gas laws, solutions, acid-base theory, oxidation-reduction, functional groups and properties of organic compounds, and the structure and function of carbohydrates, lipids, proteins, and nucleic acids. These topics are discussed in the context of cellular metabolism and human health. This course is not a prerequisite for any chemistry course. Field trip may be required. Online homework may be required. NOTE: Not open for credit to students who have completed CHEM 011. Formerly CHEM 051.