

PCHE 101/ CHM 103 : Chemistry I

This course is designed to give students a solid foundation in basic chemistry as a preparation for undergraduate studies. Students will learn of the central role of chemistry in science. They will learn the history and development of simple models used to describe the material world, with an emphasis on structure of matter at the atomic and molecular level. Students will learn how major classes of compounds, with characteristic properties, can be identified by gaining an appreciation of chemical bonding and how different molecules interact with each other. They will understand that structure determines physical and chemical properties. Then they will learn how chemists quantify matter, and finally they will study some of the major types of chemical reactions. Students will also develop practical skills in laboratory protocols and writing of formal laboratory reports.

Credits 3

Prerequisites

None