



Course Number	CHEM 1110L Introduction to Chemistry Lab
Course Name	
Credit Value (Breakdown of theory and lab credits)	1 Lab
Catalog Course Description	Meets New Mexico Lower Division General Education Core Curriculum Area III Laboratory Science (NMCCN CHEM 1114 with lecture)
Course Student Learning Outcomes/Objectives /Competencies	<ol style="list-style-type: none"> 1. Define and explain basic chemical terms, principles and concepts. 2. Evaluate safety issues in chemical reactions, laboratories and industry. 3. Observe the operation of laboratory equipment to collect data and as used in industry. 4. Discuss chemical reactions that take place in various environments and their effects on air and water quality, climate change, nuclear power, fossil fuels, and alternative energy sources. 5. Discuss the use and harmful effects of chemicals to the environment, including the importance of safe disposal of toxic chemicals. 6. Examine the effects of public policy on environment. 7. Examine how energy production affects climate change, including basic calculations. 8. Interpret information from data represented in charts, graphs, tables and spreadsheets.
College-Wide Student Learning Outcomes measured (General education courses only)	<ol style="list-style-type: none"> 1. Critical Thought
Program Student Learning Outcomes measured	<ol style="list-style-type: none"> 1. The student should be able to identify and relate chemical phenomenon in everyday activities, technology and society. The importance in their community and in the future.