



Program: Chemistry

Generic Employability Skills

- **Communication Skills**
 - understand and speak the language of the trade/occupation
 - listen, read, write and speak effectively in work settings
- **Technical Skills**
 - use technology, tools and information systems effectively
 - access and apply skills required in specific fields
- **Thinking Skills**
 - solve problems and make appropriate decisions
 - understand and solve problems involving mathematics and/or logic
- **Personal Management Skills**
 - display:
 - self-esteem and confidence
 - honesty, integrity and personal ethics
 - positive attitude toward learning and personal health
 - initiative, energy and persistence to get the job done
 - creativity and flexibility
 - accountability for actions taken
 - recognition of and respect for diversity and individual differences
- **Teamwork Skills**
 - respect the thoughts and opinions of others in the group
 - use "give and take" to achieve group results
- **Computer Skills**
 - keyboard efficiency
 - perform tasks requiring knowledge of specific software package (name software)
 - perform complex data or text entry requiring in-depth knowledge of a software package
 - performs tasks using Internet
- **Languages Spoken/Written Fluently**

Program Specific Skills

- Chromatography
- Graphing
- Applications of significant figures
- Filtration
- Stoichiometry
- Gas collection
- Precipitation
- Titration
- Computer analysis
- Acid and bases
- Equilibrium
- Electro chemistry
- Many lab experiments
- Calculations
- Interpretations
- Balanced formulas
- Reactions
- Lab equipment safety
- Indicators - litmus paper
- Elements, compounds, molecules atoms
- Electric charges
- Combining capacity
- keq - equilibrium constant
- ka - acid eq. constant
- kb - base eq. constant