
Some things to know from the prerequisites:

- **First Year Chemistry**

- Significant figures
- Manipulation of units
- Fundamental units and derived units
- The Ideal Gas Law
- Van der Waals Gas Law
- Enthalpy
- Entropy
- Free Energy
- Hess's Law
- Equilibrium Coefficients
- Activity

Some things to know from the prerequisites (continued):

- **First Year Calculus (and High School Math)**
 - How to manipulate an equation algebraically
 - Derivatives of one variable
 - Integrals of one variable
 - Power series
 - Properties of logarithms and exponentials