
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