

IBC 200-CHEM: Integrated Biology and Chemistry - Chemistry

This interdisciplinary course will focus on the molecular biology of cancer and the underlying chemistry of cell biology. Students will learn how proteins are encoded and the impact of genomic instability on protein structure and function; alterations of normal metabolism in cancer cells; and basic pathways of cell division and death. Complementary chemistry topics include chemical structure and bonding, biological polymerization, thermodynamics, enzyme kinetics, and redox reactions. Laboratory research will use model systems to understand cancer biology. *Prevents co- or later enrollment in BIO 115 and BIO 130.*

Units: 2

Prerequisites:

CHEM 150

Co-Requisites:

IBC 200-BIO

Program: [ChemistryPhysical Science](#)