

## BIOL 441: Cellular and Molecular Biology

Introduction to current concepts and experiments in gene manipulation and molecular techniques to understand genomics, gene expression and control of cells. cellular energetics, transmembrane transport, intra- and intercellular communication, and cell cycle control and cell death. Prerequisites: BIOL 300 or ENGR 300. Three lecture hours and three laboratory hours. Four semester hours.

**Semester Hours:** 4

**Program:** Biology