

# CHEM 432: Physical Chemistry II

Introduces quantum mechanics and its applications in chemical science. Topics include the development of modern atomic and molecular theory; introductory quantum mechanics; particle in a box; the hydrogen atom; multi-electron atoms, statistical thermodynamics; and an introduction to atomic and molecular spectroscopy.

**Credits:** 3

**Prerequisites:**

MATH 233, CHEM 111, PHYS 232, or permission of the professor.

**Co-Requisites:**

CHEM 432 Laboratory.

**Program:** Chemistry