

# CHE320: Nuclear Chemistry

In this course, you will learn about radiation, radioactive decay, nuclear energy, interactions between radiation and matter, nuclear medicine, fission, fusion, nuclear weapons, and radiation protection. You will also measure and discuss several properties of specific nuclear isotopes (half-life, range, energy) as well as properties of radiation in general (counting statistics, shielding, and background level).

**Credit Hour(s):** 3

**Prerequisites:**

CHE201

**Department:** [Chemistry](#)