

# CHM 304 : Advanced Topics in Biochemistry & Biotechnology

This course is a sequel to CHM 303 and goes into biochemistry and biotechnology in more depth and with more of an emphasis on laboratory techniques. The topics covered in CHM 304 include DNA sequencing and cloning; protein sequencing; various methods for separating and purifying proteins; membrane transport; proteomics; DNA replication, repair & recombination; transcription & RNA processing; protein synthesis; regulation of gene expression; and photosynthesis. This course also includes an introduction to the discipline of chemical biology. Prerequisite(s): CHM-303. Students also enroll in lab section for 1.5 credits.

**Credits** 3

**Prerequisites**

CHM-303