

# CHE 401: Advanced Biochemistry and Molecular Biology

The Citric acid cycle and oxidative-phosphorylation will be covered. Protein and lipid catabolic pathways will be introduced. Transcription and translation will be covered in detail. Advancements in DNA technology and methods of molecular biology will be discussed. The biochemistry of selected disease states will be covered in the form of case study investigations with discussions. Three lecture hours and three laboratory hours per week. This course is the same as BIO 401. No credit will be awarded to students who have taken BIO 401.

**Credits:** Credits 4

**Prerequisites:**

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BIO/CHE 301 with grade of "C" or better or permission of instructor

**Semester Offered:**

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Offered spring semester.