

CHEM 502. ADVANCED BIO-ORGANIC CHEMISTRY.

Credits: 3

Offered by: Chemistry (Faculty of Science)

Terms offered: Winter 2026

[View offerings for Winter 2026 in Visual Schedule Builder.](#)

Description

This course will cover biologically relevant molecules, particularly nucleic acids, proteins, and their building blocks. In each case, synthesis and biological functions will be discussed. The topics include synthesis of oligonucleotides and peptides; chemistry of phosphates; enzyme structure and function; coenzymes, and enzyme catalysis; polyketides; antiviral and anticancer agents.

- Restriction: Not open to students who have taken CHEM 402.
- Winter
- Prerequisite: CHEM 302
- Restriction: Not open to students who have taken CHEM 402.

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

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