

**CHEM S-20ab. Organic Chemistry (CRN: 30609)**

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This course is an intensive, comprehensive introduction to the chemistry of carbon and its importance to biological molecules. Topics will include current ideas of bonding and structure, major reaction mechanisms and pathways, a discussion of the analytical tools used to determine the structure and stereochemistry of organic compounds (such as infrared and NMR spectroscopy), and some of the chemistry of amino acids, peptides, carbohydrates, and nucleic acids. This course fulfills the requirement of two semesters of organic chemistry for entrance to medical school.