

CHEMISTRY MINOR

Contact

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Mission

Chemistry and physics are both fundamental sciences that touch every aspect of our lives and the world around us. Chemistry is the study of matter: its chemical and physical properties, the chemical and physical changes it undergoes, and the energy changes that accompany those processes.

Chemistry often is referred to as the central science. It rests upon the foundation of mathematics and physics and in turn is the essential basis for the life sciences such as biology and medicine. Chemistry is largely an experimental science and has applications in such diverse areas of research as the development of new drugs, the search for solutions to problems of environmental pollution, and the derivation of alternative energy sources. Much cutting-edge research in biology and medicine is being carried out at the level of atoms and molecules, the particles of matter upon which the study of chemistry is based.

Physics, too, is the study of matter and energy, viewed from a different perspective. Understanding living systems and the universe in which we live requires an understanding of the chemical and physical principles that operate within them.

In addition to offering majors in Chemistry, Biochemistry, and Laboratory science, and minors in Chemistry, Biochemistry, and Biophysics, the School of Molecular and Physical Sciences fills a significant role for students in other programs through its introductory courses in chemistry and physics. Because of the fundamental roles of chemistry and physics in the biological, environmental, and health sciences, students in these programs benefit from the conceptual, quantitative, problem-solving, and communication skills stressed in the introductory courses, which form the foundation for later courses in the students' majors.

Program Description

A student with a major in another program may minor in Chemistry with the permission of the Director of the School of Molecular and Physical Sciences. Twenty-one hours of coursework is required for the Minor in Chemistry as specified below. This minor indicates a significant level of accomplishment in the important foundation areas of Chemistry.

Transfer Credit

See Undergraduate Admissions (<https://catalog.une.edu/undergraduate/admissions/>) for more information.

Admissions

See Undergraduate Admissions (<https://catalog.une.edu/undergraduate/admissions/>) for more information.

Financial Information

Tuition and fees for subsequent years may vary. Other expenses include books and housing. For more tuition and fee information, please

consult this catalog's Financial Information (<https://catalog.une.edu/undergraduate/financial-information-undergraduate-programs/>) section.

Curricular Requirements

Code	Title	Hours
Program Required Courses		
CHE 110 & 110L or CHE 150 & 150L	General Chemistry I and General Chemistry I Lab University General Chemistry I and University General Chemistry I Lab	4
CHE 111 & 111L or CHE 151 & 151L	General Chemistry II and General Chemistry II Lab University General Chemistry II and University General Chemistry II Lab	4
CHE 201 & 201L or CHE 250 & 250L & 250S	Organic Chemistry I and Organic Chemistry I Lab University Organic Chemistry I and University Organic Chemistry I Lab and University Organic Chemistry I Lab Lecture	4-5
CHE 202 & 202L or CHE 251 & 251L & 251S	Organic Chemistry II and Organic Chemistry II Lab University Organic Chemistry II and University Organic Chemistry II Lab and University Organic Chemistry II Lab Lecture	4-5
CHE 307 & 307L	Quantitative Analysis and Quantitative Analysis Lab	5
Total Hours		21-23

Please note: While some courses can fulfill both core and program requirements, the credits earned do not count twice towards the minimum total required credits for the degree.

The chemistry course grade point average must be maintained at 2.00 (C) or better.