



**KENTUCKY STATE  
UNIVERSITY**

## MINOR

The Minor in Chemistry at Kentucky State University is crafted to provide students with a solid foundation in chemical principles and practical laboratory skills, complementing their major field of study. This curriculum ladder ensures a structured and comprehensive journey through the essential areas of chemistry.

**Introductory Courses:** Students start with General Chemistry I and II, covering fundamental concepts such as atomic structure, chemical bonding, stoichiometry, and thermodynamics. These courses include laboratory sessions that introduce essential techniques and safety practices.

**Intermediate Courses:** Building on the basics, students advance to Organic Chemistry I and II. These courses delve into the structure, properties, and reactions of organic compounds, with laboratory work emphasizing synthesis, purification, and analysis.

**Advanced Courses:** To deepen their understanding, students choose from a selection of advanced courses such as Analytical Chemistry, Physical Chemistry, or Biochemistry. These classes offer more specialized knowledge and hands-on experience in areas relevant to their interests and career goals.

The Chemistry Minor at Kentucky State University is ideal for students pursuing majors in biology, environmental science, health sciences, or any field where a strong chemistry background is advantageous. With a combination of rigorous coursework and practical laboratory experience, the minor equips students with valuable analytical and problem-solving skills, enhancing their academic and professional prospects.

## Plan of Study

A minor in chemistry requires the completion of 19 semester credit hours. Specific course requirements include:

Code	Title	Hours
CHE 101 & CHE 110	General Chemistry I and General Chem I Laboratory	4
CHE 102 & CHE 120	General Chemistry II and General Chemistry II Lab	4
CHE 301 & CHE 310	Organic Chemistry I and Organic Chemistry I Lab.	4
CHE 302 & CHE 320	Organic Chemistry II and Organic Chemistry II Lab	4
Select one of the following:		3-4
CHE 303	Quantitative Analysis	
CHE 315 & CHE 350	Biochemistry and Biochemistry Laboratory	
CHE 412	Inorganic Chemistry	

CHE 425	Intro. Physical Chemistry	
<b>Total Hours</b>		<b>19-20</b>