CHEMISTRY - MINOR

College of Arts and Sciences
Department of Chemistry and Biochemistry
www.kent.edu/chemistry

Contact Information
- Program Coordinator: Barry Dunietz
dunietz@kent.edu
330-672-8401
- Speak with an Advisor
- Chat with an Admissions Counselor

Fully Offered
- Kent Campus

Description
The Chemistry minor provides a solid background in chemistry and biochemistry, which can be individually tailored to complement major studies in other sciences, education and business.

Admission Requirements
Admission to a minor is open to students declared in a bachelor’s degree, the A.A.B. or A.A.S. degree or the A.T.S. degree (not Individualized Program major). Students declared only in the A.A. or A.S. degree or the A.T.S. degree in Individualized Program may not declare a minor. Students may not pursue a minor and a major in the same discipline.

Program Requirements

Minor Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CHEM 10060</td>
<td>GENERAL CHEMISTRY I (KBS)</td>
<td>4-6</td>
</tr>
<tr>
<td>or CHEM 10970</td>
<td>HONORS GENERAL CHEMISTRY I (KBS)</td>
<td></td>
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<tr>
<td>or CHEM 11060</td>
<td>GENERAL CHEMISTRY I BOOST (KBS)</td>
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<tr>
<td>CHEM 10061</td>
<td>GENERAL CHEMISTRY II (KBS)</td>
<td>4</td>
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<tr>
<td>or CHEM 10971</td>
<td>HONORS GENERAL CHEMISTRY II (KBS)</td>
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<tr>
<td>CHEM 10062</td>
<td>GENERAL CHEMISTRY I LABORATORY (KBS) (KLAB)</td>
<td>1</td>
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<tr>
<td>CHEM 10063</td>
<td>GENERAL CHEMISTRY II LABORATORY (KBS) (KLAB)</td>
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<tr>
<td>CHEM 30301</td>
<td>INORGANIC CHEMISTRY I</td>
<td>2</td>
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<tr>
<td>CHEM 30481 &amp; CHEM 30482</td>
<td>ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY II</td>
<td>4-6</td>
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<tr>
<td>or CHEM 20481</td>
<td>BASIC ORGANIC CHEMISTRY I</td>
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Minor Electives, choose from the following: 7-9
- CHEM 20482 BASIC ORGANIC CHEMISTRY II
- CHEM 30105 ANALYTICAL CHEMISTRY I
- CHEM 30106 ANALYTICAL CHEMISTRY II
- CHEM 30107 ANALYTICAL CHEMISTRY LABORATORY I (WIC)
- CHEM 30108 ANALYTICAL CHEMISTRY LABORATORY II (WIC)
- CHEM 30284 INTRODUCTORY BIOLOGICAL CHEMISTRY
  or CHEM 40245 BIOCHEMICAL FOUNDATIONS OF MEDICINE

or CHEM 40261 PRINCIPLES OF BIOCHEMISTRY I
CHEM 30475 ORGANIC CHEMISTRY LABORATORY I (ELR)
CHEM 30476 ORGANIC CHEMISTRY LABORATORY II
CHEM 40109 BIOANALYTICAL CHEMISTRY
CHEM 40116 SPECTROCHEMICAL METHODS OF ANALYSIS
CHEM 40248 ADVANCED BIOLOGICAL CHEMISTRY

or CHEM 40262 PRINCIPLES OF BIOCHEMISTRY II
CHEM 40251 ADVANCED BIOLOGICAL CHEMISTRY LABORATORY (WIC)
CHEM 40263 PHYSICAL BIOCHEMISTRY
CHEM 40302 INORGANIC CHEMISTRY II
CHEM 40352 INORGANIC MATERIALS CHEMISTRY
CHEM 40365 BIOLOGICAL INORGANIC CHEMISTRY
CHEM 40451 ORGANIC MATERIALS CHEMISTRY
CHEM 40476 SPECTROSCOPIC IDENTIFICATION OF ORGANIC COMPOUNDS

CHEM 40483 INTERMEDIATE ORGANIC CHEMISTRY
CHEM 40555 PHYSICAL CHEMISTRY I ¹
CHEM 40556 PHYSICAL CHEMISTRY II ¹
CHEM 40559 NANO MATERIALS
CHEM 40567 PHYSICAL CHEMISTRY FOR LIFE SCIENCES ¹
CHEM 40568 ELEMENTARY PHYSICAL CHEMISTRY LABORATORY
CHEM 40571 SURFACE CHEMISTRY

Minimum Total Credit Hours: 25

¹ Students who complete CHEM 40555 or CHEM 40556 may not take CHEM 40567.

Graduation Requirements

<table>
<thead>
<tr>
<th>Minimum Minor GPA</th>
<th>Minimum Overall GPA</th>
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<td>2.000</td>
<td>2.000</td>
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- Students must complete at least two upper-division (30000 or 40000 level) courses in the minor at Kent State on a graded basis (A-F).
- Minimum 6 credit hours in the minor must be upper-division coursework (30000 and 40000 level).
- Minimum 6 credit hours in the minor must be outside of the course requirements for any major or other minor the student is pursuing.
- Minimum 50 percent of the total credit hours for the minor must be taken at Kent State (in residence).