CHEMISTRY - M.A.

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

Contact Information
• Program Coordinator:
  Erin Michael-McLaughlin
  enmichae@kent.edu
  330-672-0032
• Chat with an Admissions Counselor

Fully Offered
• Kent Campus

Admission Terms
• Fall
• Spring
• Summer

Description
The Master of Arts degree in Chemistry is for students interested in
 gaining additional knowledge of chemistry and biochemistry beyond
 the bachelor’s degree. This non-thesis degree program is flexible and
 can be taken on a full-time or part-time basis. Several course sequences
 have been designed for students interested in career advancement.
 The biochemistry interest area is recommended for students seeking
 to further develop their academic background in biochemistry and
 chemistry prior to applying to medical school or dental school. The
 industrial chemistry interest area is ideal for students seeking additional
 preparation for employment in the chemical industry. Current and future
 K-12 educators may pursue the chemical education interest area for
 advance chemical instruction including chemistry pedagogy.

Admission Requirements
• Bachelor’s degree from an accredited college or
  university for unconditional admission
• Completion of undergraduate courses consisting of one year each
  in analytical chemistry or biochemistry, organic chemistry, physical
  chemistry, calculus and physics is expected
• Minimum 3.000 undergraduate GPA on a 4.000 point
  scale for unconditional admission
• Official transcript(s)
• Goal statement
• English language proficiency - all international students must provide
  proof of English language proficiency (unless they meet specific
  exceptions) by earning one of the following:
  • Minimum 525 TOEFL PBT score (paper-based version)
  • Minimum 71 TOEFL IBT score (Internet-based version)
  • Minimum 74 MELAB score
  • Minimum 6.0 IELTS score
  • Minimum 50 PTE score
  • Minimum 100 Duolingo English Test score

For more information about graduate admissions, please visit the
Graduate Studies admission website. For more information on
international admission, visit the Office of Global Education's admission
website.

Program Learning Outcomes
Graduates of this program will be able to:
1. Demonstrate a core knowledge and understanding of chemical and/
or biochemistry concepts.
2. Demonstrate a depth of knowledge of specific topics in chemistry
and/or biochemistry and/or chemical education.
3. Demonstrate critical thinking and problem solving skills in chemistry
and/or biochemistry.
4. Effectively and clearly communicate chemical and/or biochemical
concepts and knowledge.

Program Requirements
Major Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CHEM 60099</td>
<td>MASTERS CAPSTONE PROJECT</td>
<td>6</td>
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<tr>
<td>Approved 50000 level Chemistry (CHEM) Courses 1</td>
<td>10-15</td>
<td></td>
</tr>
<tr>
<td>Approved 60000 level Courses 2</td>
<td>9-14</td>
<td></td>
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</tbody>
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Minimum Total Credit Hours: 30

1 Minimum 21 credit hours of classroom courses are required. Students select courses with their advisor.
Suggested coursework for the biochemistry interest area includes CHEM 50109, CHEM 50261, CHEM 50262, CHEM 50263, and
CHEM 50365.
Suggested coursework for the chemical education interest area includes CHEM 50093 and CHEM 50795.
Suggested coursework for the industrial chemistry interest area includes CHEM 50093, CHEM 50352, CHEM 50451, CHEM 50571 and
CHEM 50559.

2 At least half of the required credit hours must be taken at the 60000 level.
Suggested course work for the chemical education interest area includes CHEM 60894.