CHEMISTRY, A.C.S., GENERAL EMPHASIS, COMPREHENSIVE MAJOR

(Code 100-007)

University Requirements

GRADUATION REQUIREMENTS FOR BACCALAUREATE DEGREE

Credit Requirements
Minimum total for graduation 1
120
Upper division credits (courses numbered 300 and higher)
39
Liberal Education Core
36

Academic Concentrations

Grade Point Requirements 2
Total
2.00 average
Resident
2.00 average
Major
2.00 average
Minor
2.00 average
Certificate
2.00 average

University Residency Requirements
Minimum total
30
Senior year
23
Major, Standard, upper division in residence
12
Major, Comprehensive, upper division in residence
21

Procedures Required for Graduation
Obtain admission to the degree program and/or the College offering it.
Apply for graduation on CampS.

1 Certain programs exceed this minimum.
2 See special requirements in each College.

Applicability of Credits Toward Graduation

Junior College or Two-Year College Credits. A maximum of 72 semester credits earned in a junior college or two-year college will be accepted as degree credits at UW-Eau Claire.

Extension Credits. Credits earned in credit outreach courses offered by UW-Eau Claire are treated as resident credits. Credits earned in extension courses offered by other units of the University of Wisconsin System are treated as transfer credits. All other (non-UW) extension and correspondence credits are normally limited to one-fourth of the total required for graduation from any curriculum.

WTCS Credits. A maximum of 72 semester credits earned in college parallel programs at Madison Area Technical College, Milwaukee Area Technical College, Nicolet Area Technical College, or Chippewa Valley Technical College may be accepted as degree credits at UW-Eau Claire. A set number of general education courses will be accepted from other technical schools. Occupational and technical courses may also be considered for transfer if the quality and content of the course work from the technical college is judged to be comparable to course work at UW-Eau Claire. Refer to the Transfer Credit Wizard (https://my.uwec.edu/psp/PUBLIC/EMPLOYEE/HRMS/c/EAU_SS_CUSTOM.EAU_TRNCRDWZ.GBL) or contact the UW-Eau Claire Admissions Office for information about the current transfer policy.

USAFI Credit. UW-Eau Claire will accept up to 32 semester credits for work done through the United States Armed Forces Institute, under the provision for non-UW correspondence credit (see Extension Credits above).

Activity Credit (band, chorus, drama, KINS 100-184 courses) Students may count toward graduation no more than one credit of KINS 110-184 courses. Students may count toward graduation no more than four credits earned in any single activity course and no more than 12 credits resulting from any combination of activity courses (excluding KINS 110-184 courses).

Other Restricted Credits. For other University restrictions, see the following: Cooperative Education; Credit by Examination; Satisfactory/Unsatisfactory Registration; Transfer of Credits. College or departmental restrictions may also be placed on Independent Study (399-499 courses), Directed Study (395-495), and other types of credits.

APPLICABILITY OF CREDITS TOWARD GRADUATION

Credit Restrictions
Satisfactory/Unsatisfactory
Total degree credit
maximum 12
Major, Standard
maximum 1 course
Major, Comprehensive
maximum 2 courses

Credit by Examination
Total degree credit
maximum ¼ of total
Major or minor
maximum ½ of total

Two-Year College Credits
Total degree credit
maximum 72 credits

Activity credit (band, chorus, drama, KINS 100-184)
Total KINS 100-184
maximum 1 credit
Total Band, chorus, drama
maximum 12 credits
Single course band, chorus, drama
maximum 4 credits

Extension credits
UW-System
no maximum
Other extension/Correspondence
maximum ¼ of total

USAFI
USAFI
maximum 32 credits

Liberal Education Core
The University of Wisconsin-Eau Claire measures learning outcomes to ensure that its graduates have achieved a liberal education and prepared themselves to contribute to a complex society. Upon graduation, each undergraduate will have met the four learning goals of our liberal education core and the 11 learning outcomes they comprise.
College Degree Requirements

**Bachelor of Arts or Bachelor of Science Degree (B.A./B.S.)**

**University Graduation Requirements.** All candidates for degrees must fulfill the requirements for credits, curriculum, GPA, and University residency as specified in the section of this catalog titled University Graduation Requirements.

**College Graduation Requirements: Grade Point Averages.** All candidates for degrees in the College of Arts and Sciences must earn minimum resident and total GPAs of 2.00 in the major, the minor, and the certificate. The resident and total GPAs for the major are computed using all attempted credits applicable to the major including those offered by departments other than the major department. The resident and total GPAs for the minor and the certificate are computed similarly.

**Major-Minor and Major-Certificate Requirements.** A standard major (a minimum of 36 credits) must be supplemented by a minor (a minimum of 24 credits) or by a certificate (12 to 18 credits) to meet graduation requirements for completing a first and second degree program. No minor or certificate is required with a Comprehensive Major (60 or more credits) or with two majors of 36 or more credits each.

Certain degree programs, which include Comprehensive Majors, may require more than the minimum of 120 credits for graduation.

Acceptable academic program combinations are determined at the college level. A major and a minor or a major and certificate or two majors (if available) may not be elected in the same department or program, except in the approved combinations listed here.

**College Credits.** Earn at least 90 credits in courses offered by the College of Arts and Sciences.

**Bachelor of Arts Degree in the College of Arts and Sciences (B.A.)**

Fulfillment of all University Graduation Requirements (which includes the Liberal Education Core); all College-level degree requirements (major and minor/certificate emphases, GPAs, earning at least 90 credits in Arts and Sciences course work); foreign language competency at the 102 level. Foreign language competency may be met in one of two ways: (1) Achieve a score on the foreign language placement test that qualifies the student to enter the 201-level course in a foreign language. (2) Earn a grade of at least C (not C-) or a mark of S in a 102-level foreign language course (or AIS 112 or AIS 122 / LANG 122 or CSD 103).

**Bachelor of Science Degree in the College of Arts and Sciences (B.S.)**

Fulfillment of all University Graduation Requirements (which includes the Liberal Education Core); all College-level degree requirements (major and minor/certificate emphases, GPAs, earning at least 90 credits in Arts and Sciences course work); mathematics competency at the MATH 111, MATH 112 or MATH 113 level. Mathematics competency can be met in one of three ways: (1) Achieve a score on the mathematics placement test that qualifies the student to enter the MATH 111 course. (2) Earn a grade of at least C (not C-) or a mark of S in the MATH 111 course, or MATH 112 or MATH 113. (3) Achieve a satisfactory score on the MATH 112 competency test. This test may be attempted no more than two times.

**Major Requirements**

(Code 100-007)

The chemistry A.C.S. with general emphasis major is ideal for students seeking immediate employment in chemically related fields or who are uncertain about postgraduate work.

**Core Requirements for A.C.S., Liberal Arts and Teaching Chemistry Majors**

A minimum of 61-semester credits, including:
Chemistry Core
Select one of the following: ¹ 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
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<tbody>
<tr>
<td>CHEM 115</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 103 &amp; CHEM 104</td>
<td>6</td>
</tr>
<tr>
<td>CHEM 105 &amp; CHEM 106 &amp; CHEM 109</td>
<td>9</td>
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Required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>CHEM 213</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 218</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 325</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 326</td>
<td>4</td>
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Additional Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>PHYS 231 &amp; PHYS 232</td>
<td>10</td>
</tr>
<tr>
<td>MATH 114 &amp; MATH 215</td>
<td>8</td>
</tr>
</tbody>
</table>

Total Credits 39

¹ Only six credits of the CHEM 103/CHEM 104 or CHEM 105/CHEM 106/CHEM 109 sequence are credited to the major.

Capstone Experience for Chemistry Majors

The capstone experience is met by completing CHEM 411 for chemistry with business emphasis majors, and by CHEM 420, CHEM 438, CHEM 453 or CHEM 497 for other chemistry majors.

Comprehensive Major: Chemistry, A.C.S., General Emphasis

Requirements

In addition to the chemistry core and required mathematics/physics courses, students must complete the following course work:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>CHEM 352</td>
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</tr>
<tr>
<td>CHEM 433</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 434</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 444</td>
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</table>

Two of the following: 4

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>CHEM 420</td>
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</tr>
<tr>
<td>CHEM 438</td>
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<tr>
<td>CHEM 453</td>
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</table>

Electives

Select a minimum of 3 credits from the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>CHEM 304</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 318</td>
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</tr>
<tr>
<td>CHEM 361</td>
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<tr>
<td>CHEM 397</td>
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</tr>
<tr>
<td>CHEM 399</td>
<td>3</td>
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<tr>
<td>CHEM 401</td>
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</tr>
<tr>
<td>CHEM 411</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 426</td>
<td>3</td>
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<tr>
<td>CHEM 460</td>
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Total Credits 22