Proposed Curricular Changes in the College of Education and Human Sciences

Following are proposed curricular changes in the College of Education and Human Sciences. If you have questions or concerns, contact Jill Prushiek at prushijt@uwec.edu or 715-836-5710 within 15 days of this notice, posted February 27, 2018

DEPARTMENT OF SOCIAL WORK

Graduate Course Deletions

SW 560 – Death and Bereavement
SW 605 – Culturally Competent Social Work Practice
SW 624 – Alcohol and Other Drug Abuse

TEACHER EDUCATION

Name of Program:  Major: Chemistry, Teaching (Code 100-204)

From:

Current catalogue  [http://catalog.uwec.edu/undergraduate/arts-sciences/chemistry/chemistry-major-t-bs/](http://catalog.uwec.edu/undergraduate/arts-sciences/chemistry/chemistry-major-t-bs/)

To:

The teaching chemistry major is tailored to the needs of chemistry students interested in secondary education.

A minimum of 54 semester credits, including:

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

Chemistry Core

Select one of the following: ¹

- **CHEM 115**  
  Chemical Principles

- **CHEM 103**  
  General Chemistry I

- **CHEM 104**  
  General Chemistry II

- **CHEM 105**  
  General Chemistry I Lecture
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>&amp; CHEM 106</td>
<td>General Chemistry I Laboratory</td>
<td></td>
</tr>
<tr>
<td>&amp; CHEM 109</td>
<td>General Chemistry II with Lab</td>
<td></td>
</tr>
<tr>
<td>CHEM 213</td>
<td>Quantitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 218</td>
<td>Introduction to Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 325</td>
<td>Organic Chemistry I with Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 326</td>
<td>Organic Chemistry II with Laboratory</td>
<td>4</td>
</tr>
</tbody>
</table>

**Additional Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 231</td>
<td>University Physics I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 232</td>
<td>University Physics II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 114</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 215</td>
<td>Calculus II</td>
<td>4</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.

**Rationale:** To reflect changes made to the introductory chemistry curriculum.

**Name of Program:** Chemistry, Teaching Minor (code 100-406)

**From:** Current Catalogue: [http://catalog.uwec.edu/undergraduate/arts-sciences/chemistry/chemistry-minor-t/](http://catalog.uwec.edu/undergraduate/arts-sciences/chemistry/chemistry-minor-t/)

**To:**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>A minimum of 24 semester credits, including:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chemistry Core</td>
</tr>
</tbody>
</table>
Select one of the following:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 115</td>
<td>Chemical Principles</td>
<td>6</td>
</tr>
<tr>
<td>CHEM 103 &amp; CHEM 104</td>
<td>General Chemistry I and General Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHEM 105 &amp; CHEM 106 &amp; CHEM 109</td>
<td>General Chemistry I Lecture and General Chemistry I Lab and General Chemistry II with Lab</td>
<td></td>
</tr>
</tbody>
</table>

Additional Required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 218</td>
<td>Introduction to Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 325</td>
<td>Organic Chemistry I with Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 326</td>
<td>Organic Chemistry II with Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 213 or CHEM 352</td>
<td>Quantitative Analysis or Fundamentals of Biochemistry</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Core Credits**: 21

**Elective(s)**

Select a minimum of 3 credits:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 213</td>
<td>Quantitative Analysis</td>
</tr>
<tr>
<td>CHEM 304</td>
<td>Environmental Chemistry</td>
</tr>
<tr>
<td>CHEM 318</td>
<td>Bioinorganic Chemistry</td>
</tr>
<tr>
<td>CHEM 352</td>
<td>Fundamentals of Biochemistry</td>
</tr>
<tr>
<td>---------</td>
<td>----------------------------</td>
</tr>
<tr>
<td>CHEM 361</td>
<td>Molecules and Medicine</td>
</tr>
<tr>
<td>CHEM 406</td>
<td>Biophysical Chemistry</td>
</tr>
<tr>
<td>CHEM 411</td>
<td>Survey of Industrial Chemistry</td>
</tr>
<tr>
<td>CHEM 426</td>
<td>Modern Organic Chemistry</td>
</tr>
<tr>
<td>CHEM 433</td>
<td>Physical Chemistry I</td>
</tr>
<tr>
<td>CHEM 434</td>
<td>Physical Chemistry II</td>
</tr>
<tr>
<td>CHEM 460</td>
<td>Polymer Chemistry</td>
</tr>
</tbody>
</table>

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

**Rationale:** To reflect changes made to the introductory chemistry curriculum.

**Name of Program:** Physics Teaching (code: 230-205)

**From:** Current Catalogue: [http://catalog.uwec.edu/undergraduate/arts-sciences/physics-astronomy/physics-major-t-bs/](http://catalog.uwec.edu/undergraduate/arts-sciences/physics-astronomy/physics-major-t-bs/)

**To:**

Thirty-six semester credits of Physics, including:

- **PHYS 231** | University Physics I | 5
- **PHYS 232** | University Physics II | 5
- **PHYS 332** | University Physics III | 3
- **PHYS 340** | Optics | 4
**PHYS 350**  
Electric and Electronic Circuits  
4

At least 15 credits selected from:  
15

**PHYS 226**  
Astronomy-Solar System  

**PHYS 229**  
Astronomy-Stars and Galaxies  

or any physics course numbered above 325

Required courses not counted towards credit in major:

**CHEM 103**  
General Chemistry I  

& **CHEM 104**  
General Chemistry II  

OR

**CHEM 105**  
General Chemistry I Lecture  

& **CHEM 106**  
General Chemistry I Laboratory  

& **CHEM 109**  
General Chemistry II with Lab  

**MATH 114**  
Calculus I  

**MATH 215**  
Calculus II  

**MATH 216**  
Calculus III

This major is restricted to students in the College of Education and Human Sciences: Education Studies: Option B and leads to licensure to teach Physics in Early Adolescence through Adolescence classrooms. It is often combined with a mathematics or chemistry teaching minor.

**Broadfield Science Licensure**

Completion of the following requirements and **ES 367** may be used in lieu of a minor and adds Broadfield Science licensure to the teaching major:

A. At least 14 credits from one of the following areas:

Area 2:

**CHEM 103**  
General Chemistry I  

& **CHEM 104**  
and General Chemistry II
or

CHEM 105  General Chemistry I Lecture
& CHEM 106  General Chemistry I Laboratory
& CHEM 109  General Chemistry II with Lab

or

CHEM 115  Chemical Principles

additional courses selected from the following:

CHEM 213  Quantitative Analysis
CHEM 218  Introduction to Inorganic Chemistry
CHEM 325  Organic Chemistry I with Laboratory

B. Eight credits in each of the two areas not selected in A above:

Area 2:

CHEM 103  General Chemistry I

or

CHEM 105  General Chemistry I Lecture
& CHEM 106  General Chemistry I Laboratory

or

CHEM 115  Chemical Principles

CHEM 104  General Chemistry II

or

CHEM 109  General Chemistry II with Lab

or

CHEM 150  Survey of Biochemistry
NOTE 1: A maximum of six credits of any combination of PHYS 392, PHYS 399, PHYS 491, and PHYS 499 can be counted toward the major.

**Rationale:** To reflect changes made to the chemistry introductory curriculum.

**Name of Program:** Comprehensive Major: Physical Science, Teaching (code: 240-004)

**From:** Current Catalogue: [http://catalog.uwec.edu/undergraduate/arts-sciences/interdisciplinary/physical-science-comprehensive-major-t-bs/](http://catalog.uwec.edu/undergraduate/arts-sciences/interdisciplinary/physical-science-comprehensive-major-t-bs/)

**To:**

Sixty semester credits, including:

<table>
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<tbody>
<tr>
<td>PHYS 226</td>
<td>Astronomy-Solar System</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 231</td>
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<tr>
<td>PHYS 232</td>
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<tr>
<td>PHYS 332</td>
<td>University Physics III</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 340</td>
<td>Optics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 350</td>
<td>Electric and Electronic Circuits</td>
<td>4</td>
</tr>
<tr>
<td>MATH 114</td>
<td>Calculus I</td>
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</tr>
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<td>MATH 215</td>
<td>Calculus II</td>
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</table>

Select one of the following options:

**Option 1**

<table>
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<tbody>
<tr>
<td>CHEM 115</td>
<td>Chemical Principles</td>
</tr>
<tr>
<td>CHEM 213</td>
<td>Quantitative Analysis</td>
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<tr>
<td>CHEM 218</td>
<td>Introduction to Inorganic Chemistry</td>
</tr>
<tr>
<td>CHEM 325</td>
<td>Organic Chemistry I with Laboratory</td>
</tr>
<tr>
<td>CHEM 326</td>
<td>Organic Chemistry II with Laboratory</td>
</tr>
<tr>
<td>CHEM 420</td>
<td>Advanced Synthesis Laboratory</td>
</tr>
</tbody>
</table>

**Option 2**
CHEM 103  General Chemistry I  
& CHEM 104  General Chemistry II  
OR
CHEM 105  General Chemistry I Lecture  
& CHEM 106  General Chemistry I Laboratory  
& CHEM 109  General Chemistry II with Lab

CHEM 213  Quantitative Analysis  
CHEM 218  Introduction to Inorganic Chemistry  
CHEM 325  Organic Chemistry I with Laboratory  
CHEM 326  Organic Chemistry II with Laboratory

Required:
At least four credits of electives from MATH 112 or additional Chemistry or Physics courses. 4

This major is restricted to students in the College of Education and Human Sciences: Education Studies: Option B and leads to licensure to teach Chemistry, Physics, and Physical Science in Early Adolescence through Adolescence classrooms.

NOTE: Completion of the following requirements and ES 367 adds Broadfield Science licensure to the Physical Science major: BIOL 105 and BIOL 151, and eight credits from GEOG 104, GEOL 110 or GEOL 115, PHYS 229.

Rationale: To reflect changes made to the chemistry introductory curriculum.

Name of Program: Biology, Teaching (code: 080-205)

From: Current Catalogue http://catalog.uwec.edu/undergraduate/arts-sciences/biology/biology-major-t-bs/

To:

Core Requirements for All Biology Majors

Ecology and Environmental Biology Emphasis (Code 080-001); Microbiology Emphasis (Code 080-002); Biology, Liberal Arts (Code 080-203); Biology, Teaching (Code 080-205).
Thirty-six semester credits, including the core and required courses:

Core Courses

**BIOL 221**  Foundations of Biology I  4
**BIOL 222**  Foundations of Biology II  3
**BIOL 223**  Foundations of Biological Inquiry  2

Total Credits  9

Required Courses:

**BIOL 180**  Environmental Biology and Conservation  3
**BIOL 321**  Ecology  3
**BIOL 323**  Genetics  3
**BIOL 324**  Genetics Inquiry  2
**BIOL 496**  Student Academic Apprenticeship  1-2

Additional biology courses to complete the 36-credit total in biology.

In addition to the 36 credits in biology, chemistry requirement chosen from **CHEM 103 and CHEM 104 OR CHEM 105, CHEM 106, and CHEM 109 OR CHEM 115.** This major is restricted to students in the College of Education and Human Sciences: Education Studies: Option B and leads to licensure to teach Biology in Early Adolescence through Adolescence classrooms.

**Brofield Science Licensure:**

Completion of the following requirements and **ES 359** may be used in lieu of a minor and adds Brofield Science licensure to the Teaching major:

**A. At least 14 credits from one of the following areas:**

Area 1

Required:

**CHEM 103**  General Chemistry I  
& **CHEM 104**  and General Chemistry II

OR

**CHEM 105**  General Chemistry I Lecture
& CHEM 106  General Chemistry I Laboratory

& CHEM 109  General Chemistry II with Lab

OR

CHEM 115  Chemical Principles

Additional courses selected from below:

CHEM 213  Quantitative Analysis

CHEM 218  Introduction to Inorganic Chemistry

CHEM 325  Organic Chemistry I with Laboratory

B. Eight credits in each of the two areas not selected in A above:

Area 1

CHEM 103  General Chemistry I

or

CHEM 105  General Chemistry I Lecture

& CHEM 106  General Chemistry I Laboratory

or

CHEM 115  Chemical Principles

CHEM 104

or

CHEM 109  General Chemistry II with Lab

or

CHEM 150  Survey of Biochemistry

Rationale: To reflect changes made to the chemistry introductory curriculum.

Name of Program: French, Teaching (Code 260-203)

From Current Catalog Web Page: http://catalog.uwec.edu/undergraduate/arts-sciences/languages/french-major-t-ba/
To: FREN 395, 399, 499 automatically applied to major

Rationale: FREN 395 has been used to conduct directed studies with students needing credits to fulfill their minor or major requirements (on a case by case basis, as discussed with advisers). Credit from FREN 395 is not automatically transferred as counting as electives toward French programs. The French section would like to change that so that credits that a student earns from FREN 395 is automatically applied toward their French minor or major requirement. The same situation exists for FREN 399 and FREN 499, so these credits also should be automatically applied to the major and minor.

Name of Program: Latin American Studies, Comprehensive Major, Teaching (Code: 340-002)

From: Current Catalog Web Page: http://catalog.uwec.edu/undergraduate/arts-sciences/latin-american-studies/latin-american-studies-comprehensive-major-t-ba/

To: Change in required courses to 31-33 and change in electives to a minimum of 20 credits

Rationale: The elimination of SPAN/LAS 312 no longer makes it possible for students to have only 30 credits; the correct minimum count for the required courses is 31 credits, so we are correcting this. By changing the minimum number of elective credits from 21 to 20, we are keeping the overall credits for this comprehensive major at 60 (31 + 3 + 6 = 40 + 20 Humanities and Social Sciences electives = 60).

Name of Program: Major: Theatre Arts, Teaching BA (Code: 601-204)

Minor: Theatre Arts, Teaching MCEA (Code: 601-425)

Minor: Theatre Arts, Teaching EAA (Code: 601-424)

From: Current Catalogue

http://catalog.uwec.edu/undergraduate/arts-sciences/music-theatre-arts/theatre-arts-major-ba-t/

http://catalog.uwec.edu/undergraduate/arts-sciences/music-theatre-arts/theatre-arts-minor-mceat/

http://catalog.uwec.edu/undergraduate/arts-sciences/music-theatre-arts/theatre-arts-minor-eaat/

To: Remove required GE/LE courses not counting toward credits in major

Rationale: In 2004, the Wisconsin Department of Public Instruction eliminated these classes as requirements for licensure in theatre arts. We kept them because they were easily counted toward students’ GE requirements. Within LE, they can no longer be used, and are now an extra 12 credits above and beyond students’ LE and degree requirements. Since the WI DPI does not require them for licensure, there is no need to keep them.