Instructions for Minor Revisions:

- Complete this form when the proposed changes will impact the words, numbers, or symbols as presented in the current catalog copy (often referred to as “changing the footprint of the catalog”).
- Catalog copy is available at http://www.fgcu.edu/catalog/. Scroll down to “Academic Programs” on the left navigation bar. Select Minors and choose the Minor to be edited. Select “Print Program Details” in the upper right corner. Copy and paste catalog copy into a Word document. Turn on the tracking function (be sure that both additions and deletions appear in the tracking). Update the catalog year and make edits. Save the document as a Word file.
- When the proposed changes are approved by the College Curriculum Team, the College Administrator will send the following to Peggy Raynor in OCI by October 31 for implementation the following catalog year.
  - An electronic MS Word version of the tracked catalog via email.
  - A color hard copy of tracked catalog copy and this Minor Revision Proposal via campus mail.
  - An electronic MS Word version of a degree curriculum map via email (please refer to question #13 below for further explanation).
- If changes are for courses only and there is no impact on the catalog copy, this revision form is not necessary. When these “stand alone” courses have been approved in CMS, the CMS College Administrator should send a list to Peggy Raynor in OCI. The same October 31 deadline applies.
- All changes to courses are completed via the Curriculum Management System (CMS)
- Reminder: The prefix/number for a new course is handled one way in the catalog copy and another in CMS. In the catalog copy, identify a new course with the suggested title, suggested prefix and course level, plus XXX (e.g., ART 4XXX). When final approval for the course prefix/number is received from Statewide Course Numbering System, the catalog copy will be updated. In CMS, a new course is requested by entering the suggested title and suggested prefix/number with no XXX. See instructions in CMS for selecting an appropriate suggested prefix/number.

1. **Minor Title:**
   
   Chemistry

2. **Contact person:** David Brown, Ph.D.
   
   **College:** Arts & Sciences
   
   **Department/School:** Chemistry & Math
   
   **Telephone:** 239-590-7483

3. **Briefly describe the proposed revision(s).**

   1. CHM 3120C Analytical Chemistry is being moved from required to elective. The number of elective courses required is being increased from one to two. Additionally, the department is developing new elective courses that are being added to the minor as electives, as follows:
      
      CHM XXXX Advanced Environmental Chemistry (3)
      CHM XXXX Advanced Organic Chemistry (3)
      CHM XXXX Bioinorganic Chemistry (3)
      CHM XXXX Bio-Organic Chemistry (3)
      CHS XXXX Forensic Chemistry (3)

   2. CHM 3410 Physical Chemistry I is being removed as an elective as the course is being deleted from the inventory.
4. **Effective date:** Fall 2014
   Changes are effective in the fall of the year. Exceptions are approved only in unusual circumstances with adequate justification.

5. **Briefly explain the rationale for the proposed revision to include its educational and occupational goals.**
   Link the proposed revision to assessment and institutional effectiveness activities (feedback from students, market demands, program evaluation, resource allocation, etc.).
   The proposed revisions will make the chemistry minor accessible to more students by creating alternative options, making the minor attractive to those who want either a more quantitative or a qualitative approach to chemistry. This will also potentially serve to increase the enrollment in other low-enrollment chemistry courses.

6. **Describe additional library resources needed to support this revision? Explain rationale for response, even if answer is None.**
   none - existing library resources are sufficient to teach these courses.

7. **Describe additional faculty resources needed to support this revision? Explain rationale for response, even if answer is None.**
   none - existing faculty resources are sufficient to teach these courses.

8. **Describe additional technology, facility, laboratory, or other resources needed to support this revision? Explain rationale for response, even if answer is None.**
   none - existing resources are sufficient to teach these courses.

9. **What impact will the proposed revision have on other colleges, units, or programs?**
   Students in other major programs will have an increased flexibility in the way that they can earn a chemistry minor.

10. **New courses:**
    - No new courses are required.
    - ☑ New courses are needed. List prefix/number/title below. Complete a Course Add Form for each from the Curriculum Management System - https://midas.fgcu.edu/acadaff/sens/.
      - CHM XXXX Advanced Environmental Chemistry (3)
      - CHM XXXX Advanced Organic Chemistry (3)
      - CHM XXXX Bioinorganic Chemistry (3)
      - CHM XXXX Bio-Organic Chemistry (3)
      - CHS XXXX Forensic Chemistry (3)

11. **Change to existing courses:**
    - No existing courses are being changed.
    - ☑ Existing courses are being changed. List prefix/number/title below. Complete a Course Change Form for each from the Curriculum Management System - https://midas.fgcu.edu/acadaff/sens/
      - The prerequisite for CHM 3120C Analytical Chemistry is being changed from CHM 2210/L to CHM 1046/L, to bring it into correspondance with the equivalent course taught at all other institutions in the SUS.
      - The prerequisite for BCH 3025C Analytical Biochemistry is being changed to include BCH 4033C Advanced Biochemistry I as an alternative to BCH 3023C Biochemistry.
The prerequisite for BCH 4033C Advanced Biochemistry I is being changed to remove the requirement for CHM 3120C Analytical Chemistry. This will make the course more accessible to biology majors who may not have had analytical chemistry.

12. **Termination of existing courses:**
   - ☑ Courses are being terminated. List prefix/number/title below. Complete a Course Terminate Form for each course from the Curriculum Management System - [https://midas.fgcu.edu/acadaff/scens/](https://midas.fgcu.edu/acadaff/scens/).

13. **What impact will the proposed revision have on the progression or sequencing of courses in this Minor?**
   Please provide evidence, with an electronic MS Word version, in the form of a Minor curriculum map, a listing of required and restricted elective courses in the Minor and their prerequisites or other form appropriate for your Minor (consult with College Curriculum Team Chair for additional information).

14. **Catalog copy:**
   Please see Instructions above.

15. **Additional remarks:**
   CHM 3410 Physical Chemistry is being deleted from the course inventory, it has not been taught for several years.

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**APPROVALS (required prior to submission)**

<table>
<thead>
<tr>
<th>Department/Program Chair/Director</th>
<th>Date</th>
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<tbody>
<tr>
<td>John Kelly</td>
<td>10/21/13</td>
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<tr>
<th>College Curriculum Committee Chair</th>
<th>Date</th>
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<tr>
<td>[Signature]</td>
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<th>College Dean</th>
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<td>[Signature]</td>
<td>11/11/13</td>
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Does another department or unit provide related expertise or offer similar courses? ☐ No ☐ Yes (If yes, have the other department complete the following. Attach a separate sheet if needed.)

- Department/Unit:
  - ☐ Supports this proposal ☐ Does not support this proposal ☐ Defers Recommendation

  Authorizing signature: ___________________________ Date ____________

  Comments:
Chemistry Minor, Curriculum Map

Required course sequence:
CHM 1045/L General Chemistry I (3/1)
CHM 1046/L General Chemistry II (3/1)
CHM 2210/L Organic Chemistry I (3/1)
CHM 2211/L Organic Chemistry II (3/1)

Elective course sequence with prerequisites:

<table>
<thead>
<tr>
<th>Elective Course</th>
<th>Prerequisite</th>
<th>Where met?</th>
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</thead>
<tbody>
<tr>
<td>BCH 3023C Biochemistry</td>
<td>CHM 2211/L</td>
<td>Required course</td>
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<tr>
<td>BCH 3025C Analytical Biochemistry</td>
<td>BCH 3023C or BCH 4033C</td>
<td>Elective course</td>
</tr>
<tr>
<td>BCH 4033C Advanced Biochemistry I</td>
<td>CHM 2211/L</td>
<td>Required course</td>
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<tr>
<td>BCH 4034C Advanced Biochemistry II</td>
<td>BCH 4033C</td>
<td>Elective course</td>
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<tr>
<td>CHM 3005C Phys Chem for Life Sciences</td>
<td>• CHM 2211/L</td>
<td>• Required course</td>
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<tr>
<td></td>
<td>• MAC 2311</td>
<td>• Ancillary course</td>
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<tr>
<td></td>
<td>• PHY 2049C</td>
<td>• Ancillary course</td>
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<td>CHM 3120C Analytical Chemistry</td>
<td>CHM 1046/L</td>
<td>Required course</td>
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<td>CHM 3410 Physical Chemistry</td>
<td>• CHM 2211/L</td>
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<td>• MAC 2313</td>
<td>• Ancillary course</td>
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<td>• PHY 2049C</td>
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<td>CHM 4139C Instrumental Analysis</td>
<td>• CHM 2211/L</td>
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<td>• CHM 3120C</td>
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<td>CHM 4610 Inorganic Chemistry</td>
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<td>CHM 4080 Advanced Environmental Chemistry</td>
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<td></td>
<td>• Or CHM 1084C</td>
<td>• Or ancillary course</td>
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<td>CHM 4220 Advanced Organic Chemistry</td>
<td>CHM 2211</td>
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<td>CHM 4300 Bio-Organic Chemistry</td>
<td>CHM 2211/L</td>
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<td>CHM 4670 Bioinorganic Chemistry</td>
<td>CHM 2211/L</td>
<td>Required course</td>
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<tr>
<td>CHS 4311C Forensic Chemistry</td>
<td>CHM 1046/L</td>
<td>Required course</td>
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Note: ancillary course is defined here as a course that the student may have taken in the course of their studies.