**Florida Gulf Coast University** ***MINOR REVISION PROPOSAL***

***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 Lucero Carvajal in Academic and Curriculum Support (ACS) no later than **May 31** for review by the University Undergraduate Curriculum Team (UUCT).
  - An electronic MS Word version of the **tracked** catalog via email.
  - A color hard copy of the Minor Revision Proposal with appropriate signatures via campus mail.
  - An electronic MS Word version of the minor curriculum map via email (please refer to question #13 below for further explanation).
- If changes are for courses only and there is no impact to the catalog copy, this revision form is not necessary. When these **"stand-alone" courses** have been approved by the College Curriculum Team and noted in CMS, the CMS College Administrator should send a list to Lucero Carvajal in ACS. The same May 31 deadline applies.
- All changes to courses are completed via the Curriculum Management System (CMS) https://midas.fgcu.edu/acadaff/scns/default.asp
- 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*: Daniel Paull

   *College*: CAS

   *Department/School*: Chemistry and Physics

   *Telephone*: 239-745-4335

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

   1. Adjust display of lower level requirements to reflect current offerings as separate lecture and lab.
   2. Add CHM 4254C [suggested numbering] – Medicinal Organic Synthesis to elective courses

4. *Effective date*: Fall 2021

   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.). Provide three years of data.

**Rationale for new elective:**

- "CHM 4254C" – Medicinal Organic Synthesis is a newly designed course for all Chemistry Department programs.
- Should attract more students to add a chemistry minor

6. *Describe additional library resources needed to support this revision? Explain rationale for response, even if answer is None.*

None. For the new course, these are justified/rationalized for the Department *MAJORs*.

7. *Describe additional faculty resources needed to support this revision? Explain rationale for response, even if answer is None.*

None. *See number 6 above; same answer.*

8. *Describe additional technology, facility, laboratory, or other resources needed to support this revision? Explain rationale for response, even if answer is None.*

None. *See number 6 above; same answer.*

9. *What impact will the proposed revision have on other colleges, units, or programs?*

none

10. *New courses*:

- CHM 4254C Medicinal Organic Synthesis

11. *Change to existing courses*:

☒ No existing courses are being changed.

12. *Termination of existing courses*:

☒ No existing courses are being deleted from the FGCU course inventory.

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).

- The only possible effect is to make it easier and more attractive to get a chemistry minor.

14. *Catalog copy*:

Please see Instructions above.

15. *Additional remarks*:

**APPROVALS** *(required prior to submission)*

Department/Program Chair/Director _____ Date Feb 1st 2019

College Curriculum Committee Chair _____ Date 5-18-2020

College Dean _____ Date 5-20-20

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

## College of Arts and Sciences

## Department of Chemistry and Physics

https://www.fgcu.edu/CAS/ChemistryBA/Chemistryminor.asp
(239) 590-7196

**~~2020~~ 2021-2022 Catalog Year**

***Biochemistry, Chemistry and Forensic Science majors are not eligible for the minor in Chemistry.***

### Admission Requirements

- Students must meet with a college advisor to declare a minor and review the course requirements.
- A grade of C or higher is required for all courses in the minor.
- A minimum of 12 credit hours of the minor must be completed at FGCU.
- Students desiring certification of a minor and designation on their academic transcript must verify that the minor is displayed on their Graduation Application.

### Requirements

**Complete each of the following:**

- CHM 1045 General Chemistry I (3) and CHM 1045L General Chemistry I Lab (1) *
- CHM 1046 General Chemistry II (3) and CHM 1046L General Chemistry II Lab (1) *
- CHM 2210 Organic Chemistry I (3) and CHM 2210L Organic Chemistry I Laboratory (1) *
- CHM 2211 Organic Chemistry II (3) and CHM 2211L Organic Chemistry II Laboratory (1) *

*Acceptable to substitute the equivalent 4-credit Combined lecture and lab course

- ~~CHM 1045C General Chemistry I (4) or (CHM 1045 (3) and CHM 1045L (1))~~
- ~~CHM 1046C General Chemistry II (4) or (CHM 1046 (3) and CHM 1046L (1))~~
- ~~CHM 2210C Organic Chemistry I (4) or (CHM 2210 (3) and CHM 2210L (1))~~
- ~~CHM 2211C Organic Chemistry II (4) or (CHM 2211 (3) and CHM 2211L (1))~~

**Complete two of the following:**

- BCH 3023C Biochemistry (3)*

- BCH 3025C Analytical Biochemistry (3)
- BCH 4033C Advanced Biochemistry I (4)*
- BCH 4034C Advanced Biochemistry II (4)
- CHM 3120 Analytical Chemistry (3) and CHM 3120L Analytical Chemistry Lab (1)
- CHM 3410 Physical Chemistry I (3) and CHM 3410L Physical Chemistry I Lab (1)
- CHM 3411 Physical Chemistry II (3) and CHM 3411L Physical Chemistry II Lab (1)
- CHM 3610 Inorganic Chemistry (3) and CHM 3610L Inorganic Chemistry Lab (1)
- CHM 4080C Advanced Environmental Chemistry (3)
- CHM 4130 Instrumental Analysis (3) and CHM 4130L Instrumental Analysis Lab (1)
- CHM 4174C Lasers in Physical Sciences (3)
- CHM 4220C Advanced Organic Chemistry (3)
- CHM 4230C Practical NMR Spectroscopy (3)
- CHM 4xxxC (4254C) Medicinal Organic Synthesis (3)
- CHM 4300 Bio-organic Chemistry (3)
- CHM 4431 Statistical Thermodynamics (3)
- CHM 4512 Computational Modeling (3)
- CHM 4671 Bioinorganic Chemistry (3)
- CHM 4714C Materials Chemistry (3)
- CHS 4533C Forensic Biochemistry (3)
- CHS 4544C Forensic Chemistry (3)

*Students may not count BOTH BCH 3023C and BCH 4033C towards the minor

**TOTAL CREDITS REQUIRED: 22-24**

**Transfer Notes and Acceptable Substitutes**

Transfer credits will ordinarily be accepted from regionally accredited institutions and evaluated for appropriate credit toward requirements in the student's degree program.