

PROGRAM CHANGES
WEBER STATE UNIVERSITY

Submission Date:

College: _____ College of Science _____

Department: _____ Chemistry _____

Program Title: _____ Chemistry Minor _____

PROGRAM DESCRIPTION:

The Chemistry minor fulfills the requirements of WSU majors that require a minor. It provides a solid chemistry foundation that supports a broad range of studies. A minimum passing grade of "D-" will be accepted in any course used toward the minor.

Credit Hours Requirements: A minimum of 20 credit hour is required for the minor

Check all that apply:

___ New course(s) required for major, minor, emphasis, or concentration.

___ Modified course(s) required for major, minor, emphasis, or concentration.

X Credit hour change(s) required for major, minor, emphasis, or concentration.

___ Credit hour change(s) for a course which is required for the major, minor, emphasis, or concentration.

___ Attribute change(s) for any course.

___ Program name change.

___ Deletion of required course(s).

___ Other changes (specify) _____

If multiple changes are being proposed, please provide a summary. Use ~~strikeout~~ (strikeout) when deleting items in the program and highlight (highlight) when adding items.

Submit the original to the Faculty Senate Office, MC 1033, and an electronic copy to kbrown4 @weber.edu

JUSTIFICATION:

The last program review team (2008) indicated that the chemistry minor was too weak compared to peer institutions. An internet survey of several nearby universities supports this finding:

1. U of U – 20 credit hours, 2 upper division courses (at least 6 credit hours).
2. USU – 20 credit hours, 10 credit hours of 2000 level or higher.
3. UVU – 24 credit hours, including CHEM 3000.

4. SUU – 20 credit hours, 10 credit hours of 2000 level or higher.
5. ISU – 29 credit hours, including 4 credit hours upper division.
6. Boise State University – 21 hours, including their equivalent of CHEM 1210/1220, CHEM 2310/2320, and CHEM 3000.
7. BYU – 22 credit hours, including their equivalent of either CHEM 3000 or CHEM 2310/2320 and CHEM 3410/3420.
8. University of Wyoming – at least 21 credit hours, with their equivalent of CHEM 3000 plus 3 credit hours of upper division.

The new 20 credit-hour minor requirement would be essentially equivalent to that of USU. The WSU Pre-medical program supports this change to the minor requirement. The proposed changes apply only to the Chemistry Minor. Because the requirements for the Chemistry Minor and Chemistry BIS Emphasis will no longer be the same, a separate proposal for the Chemistry BIS Emphasis is being presented along with this proposal.

INFORMATION PAGE

Attach a copy of the present program from the current catalog and a revised version (exactly as you wish it to appear in the catalog).

See Attached.

Did this program change receive unanimous approval within the Department? Yes If not, what are the major concerns raised by the opponents?

Explain any effects this program change will have on program requirements or enrollments in other departments including the Bachelor of Integrated Studies Program. In the case of similar offerings or affected programs, **you should include letters from the departments in question stating their support or opposition to the proposed program.**

These changes affect students who use the Chemistry Minor to satisfy the minor requirements of their intended majors. These are primarily students in other disciplines housed in the College of Science and in Criminal Justice in the College of Social and Behavioral Sciences. The associated departments have been contacted. Please see their attached comments.

Indicate the number of credit hours for course work within the program. (Do not include credit hours for General Education, SI, Diversity, or other courses unless those courses fulfill requirements within the proposed program.)
20

Indicate the number of credit hours for course work within the current program. (Do not include credit hours for General Education, SI, Diversity, or other courses unless those courses fulfill requirements within the current program.) 18

APPROVAL PAGE

for:

(Program Title)

Approval Sequence:

Department Chair/Date (& BIS Director if applicable)

College Curriculum Committee/Date

Program Director or ATE Director (if applicable)/Date

Dean of College/Date

Courses required in programs leading to secondary undergraduate teacher certification must be approved by the University Council on Teacher Education before being submitted to the Curriculum Committee.

University Council on Teacher Education/Date

Master's program changes must be reviewed by the University Graduate Council before being submitted to the Curriculum Committee.

I have read the proposal and discussed it with the program director.

University Graduate Council Representative/Date

University Curriculum Committee/Date

Passed by Faculty Senate _____ Date

Effective Date (As per PPM 4-2a) Fall 2011

Chemistry

~~MINOR & BIS EMPHASIS~~

» **Grade Requirements:** A minimum passing grade of "D-" will be accepted in any course used toward the minor. ~~A minimum grade of "C" must be achieved in the BIS emphasis.~~

» **Credit Hours Requirements:** A minimum of ~~18~~ 20 credit hours is required for the **Chemistry Minor**, and 18 credit hours are required for ~~BIS emphasis~~.

Course Requirements for ~~Minor/BIS~~ Emphasis

Chemistry Courses Required (10 credit hours)

- CHEM PS/SI1210 Principles of Chemistry I (5)
- CHEM SI1220 Principles of Chemistry II (5)

~~Minor Electives/BIS Electives (select at least 8 credit hours)~~ (Select at least 10 credit hours of **chemistry coursework numbered 2000 and above.**)

- ~~CHEM 2310 Organic Chemistry I (5)~~
- ~~CHEM 2320 Organic Chemistry II (5)~~
- ~~CHEM 2600 Laboratory Safety (1)~~
- ~~CHEM 2990 Chemical Technician Seminar (1)~~
- ~~CHEM 3000 Quantitative Analysis (4)~~
- ~~CHEM 3020 Computer Appl. in Chemistry (1)~~
- ~~CHEM 3050 Instrumental Analysis (4)~~
- ~~CHEM 3070 Biochemistry I (4)~~
- ~~CHEM 4550 Geochemistry (3)~~

Chemistry

MINOR

» **Grade Requirements:** A minimum passing grade of “D-” will be accepted in any course used toward the minor.

» **Credit Hours Requirements:** A minimum of 20 credit hours is required for the Chemistry Minor.

Course Requirements for Minor

Chemistry Courses Required (10 credit hours)

- CHEM PS1210 Principles of Chemistry I (5)
- CHEM 1220 Principles of Chemistry II (5)

Minor Electives (Select at least 10 credit hours of chemistry coursework numbered 2000 and above.)