

NEVADA STATE UNIVERSITY

SCHOOL OF LIBERAL ARTS, SCIENCES, & BUSINESS

CHEMISTRY (Professional Chemistry Concentration) B.S.

Year 1

FALL SEMESTER

15-18 CREDITS

- ENG 100 or 101 or 116** | English Composition I 3-5
- CHEM 121** †** | General Chemistry I 4
- Study and Technology Skills Core** 2-3
- General Elective***** 3
- General Elective***** 3

SPRING SEMESTER

14-16 CREDITS

- ENG 102**** | English Composition II 3
- CHEM 122** †** | General Chemistry II 4
- MATH 181**** | Calculus I 4
- Constitution Core** 3-6

SUMMER SEMESTER

If needed, complete additional courses to reach 30 earned credits.

Year 2

FALL SEMESTER

15 CREDITS

- CHEM 241** †** | Organic Chemistry I 4
- MATH 182**** | Calculus II 4
- PHYS 180** †** | Physics for Scientists and Engineers I 4
- Social Science Core** 3

SPRING SEMESTER

15 CREDITS

- CHEM 242** †** | Organic Chemistry II 4
- CHEM 330**** | Analytical Chemistry 3
- PHYS 181** †** | Physics for Scientists and Engineers II 4
- MATH 283** †** | Calculus III 4

SUMMER SEMESTER

If needed, complete additional courses to reach 60 earned credits.

Year 3

FALL SEMESTER

13 CREDITS

- CHEM 421** †** | Physical Chemistry I 5
- CHEM 447**** | Advanced Synthesis Laboratory 2
- CHEM 455**** | Instrumental Analysis 3
- STAT 391**** | Applied Statistics for Biological Sciences 3

SPRING SEMESTER

15 CREDITS

- CHEM 474**** | Biochemistry I 3
- CHEM 422**** | Physical Chemistry II 3

Select one of the following:

- CHEM 497**** | Independent Study 1-3

 OR

- CHEM 498**** | Undergraduate Research 1-3

- Upper Division Chemistry Elective***** 3

- Humanities Core** 3

SUMMER SEMESTER

If needed, complete additional courses to reach 90 earned credits.

APPLY FOR GRADUATION!

Once you have earned 90 credits, consider applying for graduation.

Year 4

FALL SEMESTER

14 CREDITS

- CHEM 431**** | Advanced Inorganic Chemistry 3
- CHEM 495**** | Senior Thesis in Chemistry I 3
- Upper Division Chemistry Elective***** 3
- Fine Arts Core** 3

SPRING SEMESTER

15 CREDITS

- CHEM 496**** | Senior Thesis in Chemistry II 3
- Upper Division Chemistry Elective***** 3
- Upper Division Chemistry Elective***** 3
- Upper Division Chemistry Elective***** 3
- Humanities Core** 3

SUMMER SEMESTER

If needed, complete additional courses to reach 120 earned credits.

 Check box when requirement is satisfied

**Indicates a prerequisite and/or corequisite is required. Please refer to the catalog or speak to an advisor about these requirements.

† Indicates a lab is required.

*** General elective course credits are taken if needed to complete credit requirements for graduation. General electives may be any course from any subject area of any level; prerequisites must be met for courses chosen; additional credit will not be awarded for retakes of previously passed courses. Upper division electives can be any subject, must be 300 or 400 level, and all prerequisites must be met.

This sample 4-year map is a planning tool intended for the current academic year. Each student's situation is unique and your 4-year plan and progression may differ from the sample presented here. It is also strongly recommended that you meet regularly with your Academic Advisor to verify degree progression.