

NEVADA STATE UNIVERSITY

SCHOOL OF LIBERAL ARTS, SCIENCES, & BUSINESS

Data Science, B.S.

Year 1

FALL SEMESTER

14-17 CREDITS

- ENG 100 or 101 or 116** | English Composition I 3-5
- Study and Technology Skills Core** 2-3
- STAT 152**** | Intro to Statistics 3
- MATH 181**** | Calculus I 4
- DATA 101** | Introduction to Data Science 3

SPRING SEMESTER

18-19 CREDITS

- ENG 102**** | English Composition II 3
- MATH 182**** | Calculus II 4
- DATA 220**** | Research Methods for Data Science 3
- Required Minor Course** 3
- Fine Arts Core** 3
- General Elective***** 3-4

SUMMER SEMESTER

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

Year 2

FALL SEMESTER

15-17 CREDITS

- CS 138** | Programming for Data Science in Python I 3
- Professional Skills Course** 3
- Required Minor Course** 3
- Natural Sciences Core** 3-4
- General Elective***** 3-4

SPRING SEMESTER

15-16 CREDITS

- CS 238**** | Programming for Data Science in Python II 3
- MATH 330**** | Linear Algebra I 3
- Professional Skills Course** 3
- Natural Sciences Core** 3-4
- Required Minor Course** 3

SUMMER SEMESTER

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

Year 3

FALL SEMESTER

15-18 CREDITS

- DATA 210**** | Introduction to SQL for Data Science 3
- DATA 320**** | Introduction to Mathematical Modeling 3
- Professional Skills Course** 3
- Required Minor Course** 3
- Constitution Core** 3-6

SPRING SEMESTER

15-16 CREDITS

- DATA 310**** | Data Visualization 3
- MATH 352**** | Probability and Statistics 3
- OR
- DATA 320**** | Introduction to Mathematical Modeling 3
- OR
- DATA 410**** | Exploratory Data Analysis 3
- Required Minor Course** 3
- Humanities Core** 3
- General Elective***** 3-4

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

15-17 CREDITS

- DATA 330**** | Statistical Methods for Data Science 3
- Required Minor Course** 3
- Humanities Core** 3
- General Elective***** 3-4
- General Elective***** 3-4

SPRING SEMESTER

15-17 CREDITS

- DATA 480**** | Data Science Capstone 3
- Social Science Core** 3
- Cultural Diversity Core** 3
- General Elective***** 3-4
- General Elective***** 3-4

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.

*** 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.