NEVADA STATE UNIVERSITY
SCHOOL OF LIBERAL ARTS, SCIENCES, & BUSINESS
Data Science, B.A.

COLLEGE CORE CURRICULUM (31-43 CREDITS)

Unless otherwise noted, please refer to the Nevada State catalog for full list of Core requirements. Classes in the major requirements may be used to satisfy the Core requirements; consult an Academic Advisor for details. Note: A single course cannot fulfill more than one core requirement.

☐ ENGLISH   3-8 CREDITS

Nevada State students can be placed into English courses by submitting ACT or SAT scores or by completing the Directed Self Placement survey to better guide their placement. Students who complete Composition II will satisfy the Core Curriculum Composition requirement. Typically, students take Composition I during their first semester at the college and Composition II during the second semester.

☐ English Composition I (ENG 100, 101, or 116)   3-5
☐ English Composition II   3

☐ STUDY AND TECHNOLOGY SKILLS   0-3 CREDITS

Transfer students with 30 or more transferrable college credits or Nevada State students who complete the Nepantla Summer Bridge Program with an average GPA of 3.0 or greater will be able to waive the Study and Technology Skills Core Requirement.

☐ College Success (CEP 123 or ALS 101N)   2-3

☐ MATHEMATICS   3-4 CREDITS

Nevada State students can be placed into Math courses by submitting ACT or SAT scores or by completing the Math Directed Self-Placement survey to better guide their placement. Classes in the major may satisfy this requirement. Please see your degree outline and/or consult an Academic Advisor regarding your specific major requirements.

☐ NATURAL SCIENCES   7-8 CREDITS

Students are required to take two science courses, at least one of which must include an associated laboratory component.

☐ Natural Science Core   3-4
☐ Natural Science Core with Lab   4

☐ SOCIAL SCIENCES   3 CREDITS

☐ FINE ARTS   3 CREDITS

☐ HUMANITIES   6 CREDITS

Classes in the major may satisfy this requirement. Please see your degree outline and/or consult an Academic Advisor.

☐ Humanities Core   3
☐ Humanities Core   3

☐ CONSTITUTION   3-6 CREDITS

Completion of US and NV Constitutions required. Complete either one US Constitution course and one NV Constitution course or complete one course that fulfills both US and NV Constitutions (CH 203 or PSC 101).

☐ Nevada Constitution   0-3
☐ United States Constitution   0-3

☐ CULTURAL DIVERSITY   3 CREDITS

For a full breakdown of requirements for the Data science major, please refer to accompanying "Major Degree Checklist"

MAJOR REQUIREMENTS (46-48 CREDITS)

MINOR REQUIREMENTS (18 CREDITS)

ADDITIONAL GENERAL ELECTIVES (11-25 CREDITS)

TOTAL CREDITS FOR DEGREE (120 CREDITS)

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All courses used to fulfill major requirements must be completed with a minimum C-. Grades below a C- carry no credit towards major requirements.

MAJOR REQUIREMENTS (46-48 CREDITS)

MATHEMATICS AND STATISTICS CORE   10-12 CREDITS
- ☐ **MATH 126** | Pre-calculus Mathematics I   3
- ☐ **MATH 127** | Pre-Calculus Mathematics II   3
- ☐ **STAT 152** | Introduction to Statistics   3
- ☐ **DATA 330**** | Statistical Methods for Data Science   3

Note: STAT 152 may be used to meet the college core curriculum. MATH 181 may be substituted for MATH 126 and MATH 127

COMPUTER SCIENCE AND DATA SCIENCE CORE   18 CREDITS
- ☐ **CS 138** | Programming for Data Science in Python I   3
- ☐ **CS 238**** | Programming for Data Science in Python II   3
- ☐ **DATA 101** | Introduction to Data Science   3
- ☐ **DATA 210**** | Introduction to SQL for Data Science   3
- ☐ **DATA 220**** | Research Methods for Data Science   3
- ☐ **DATA 310**** | Data Visualization   3

PROFESSIONAL SKILLS   9 CREDITS
Select any three courses from the following list of electives:
- ☐ **COM 102** | Intro to Interpersonal Communication   3
- ☐ **COM 315** | Small Group Communication   3
- ☐ **COM 329**** | Business and Professional Speaking   3
- ☐ **COM 404** | Principles of Persuasion   3
- ☐ **COM 434** | Communication and Conflict Resolution   3
- ☐ **ENG 204**** | Intro to Professional Writing   3
- ☐ **ENG 407A**** | Fundamentals of Business Writing   3
- ☐ **ENG 407B**** | Fundamentals of Technical Writing   3
- ☐ **MGT 415**** | Business and Society   3

CAPSTONE OR INTERNSHIP   3 CREDITS
Select one of the following courses:
- ☐ **DATA 480**** | Data Science Capstone   3
- ☐ **DATA 490**** | Internship   1-3

ELECTIVES   6 CREDITS
Courses may be used as electives if they are not used to fulfill other requirements towards the major:
- ☐ Any other 300+ level DATA course   3
- ☐ Any other 300+ level DATA, MATH, STAT, or CS course   3

MINOR REQUIREMENTS (18 CREDITS)
Select and complete any academic minor other than a Data Science Minor. Note: A second major meets this requirement as well.

TOTAL CREDITS FOR DEGREE (120 CREDITS)

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CREDIT REQUIREMENTS

Summary of credit requirements for the Bachelor of Arts in Data Science

☐	**College Core Curriculum**	31-43
☐	**Major Requirements**	46-48
☐	**Required minor**	18
☐	**General Electives**	11-25

ADDITIONAL GRADUATION REQUIREMENTS

				CREDITS COMPLETED	CREDITS REMAINING
☐	**120 CREDITS**	| *College credits earned (minimum; must be 100 level or above)*	**120**	_____	_____
☐	**RESIDENCY RULE**	| *Upper division credits from Nevada State (minimum)*	**30**	_____	_____

ADVISOR NOTES

STUDENT NOTES