NEVADA STATE COLLEGE

SCHOOL OF LIBERAL ARTS & SCIENCES

INTERDISCIPLINARY DATA SCIENCE, B.S.

COLLEGE CORE CURRICULUM (31-43 CREDITS)

Unless otherwise noted, please refer to the NSC catalog for full list of core requirements. Note: A single course cannot be used to fulfill both a major and core curriculum requirement. Additionally, a single course cannot fulfill more than one core requirement.

☐ ENGLISH — 3-8 CREDITS

NSC students can be placed into English courses by submitting ACT or SAT scores, or by completing the Directed Self Placement questionnaire. Students who complete Composition II will satisfy the Core Curriculum 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 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.

☐ MATHEMATICS — 3 CREDITS

NSC students can directly self-place into Mathematics, however it is recommended that students place according to their ACT/SAT scores or complete EdReady to better guide their placement. All degree programs require MATH 120 or higher to fulfill the Mathematics Core Curriculum (please see your degree outline for specific course requirements).

The following is required as a Inderdisciplinary Data Science major within the Core Mathematics requirement:

- ☐ **STAT 152**** | Intro to Statistics — 3

☐ 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

- ☐ 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 Interdisciplinary Data Science major, please refer to accompanying "Major Degree Checklist"

MAJOR REQUIREMENTS (47 CREDITS)

MINOR REQUIREMENTS (18 CREDITS)

ADDITIONAL GENERAL ELECTIVES (12-24 CREDITS)

TOTAL CREDITS FOR DEGREE (120 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.

This sample degree checklist is a planning tool intended for the current academic year. Each student's situation is unique and your degree may differ from the sample presented here. It is recommended that current NS students review the Academic Requirements report in their Student Center to monitor progress toward their degree and graduation requirements. It is also strongly recommended that you meet regularly with your Academic Advisor to verify degree progression.

SCAN HERE FOR MORE INFORMATION ON THE COLLEGE CORE CURRICULUM INCLUDING A FULL LIST OF ELIGIBLE COURSES

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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 (47 CREDITS)

MATHEMATICS AND STATISTICS CORE — 14 CREDITS
- ☐ **MATH 181**** | Calculus I — 4
- ☐ **MATH 182**** | Calculus II — 4
- ☐ **MATH 330**** | Linear Algebra I — 3
- ☐ **DATA 330**** | Statistical Methods for Data Science — 3

Note: STAT 152 is used to meet the college core curriculum.

COMPUTER SCIENCE AND DATA SCIENCE CORE — 18 CREDITS
- ☐ **CS 135**** | Computer Science I — 3
- ☐ **CS 202**** | Computer Science 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 216** | Survey of Communication Studies — 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 212**** | Intro to Writing Studies — 3
- ☐ **ENG 231**** | World Literature I — 3
- ☐ **ENG 407A**** | Fundamentals of Business Writing — 3
- ☐ **ENG 407B**** | Fundamentals of Technical Writing — 3
- ☐ **MGT 415**** | Business and Society — 3

ELECTIVES — 3 CREDITS
Select any course from the following list of electives:
- ☐ **MATH 352**** | Probability and Statistics — 3
- ☐ **DATA** | ANY 300+ DATA Course — 3
- ☐ **DATA 320**** | Introduction to Mathematical Modeling — 3
- ☐ **DATA 410**** | Exploratory Data Analysis — 3
- ☐ Any Professional Skills Course listed above not used to satisfy requirement — 3

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

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 Science in Interdisciplinary Data Science

☐ **College Core Curriculum**	31-43
☐ **Major Requirements**	47
☐ **Required Minor**	18

ADDITIONAL GRADUATION REQUIREMENTS

			CREDITS COMPLETED	CREDITS REMAINING
☐ **120 CREDITS**	Total minimum earned credits (must be 100 level or above)	120	_____	_____
☐ **RESIDENCY RULE**	Upper division credits from Nevada State (minimum)	30	_____	_____
☐ **4-YEAR RULE**	Credits from a 4-year institution (minimum)	60	_____	_____

ADVISOR NOTES

STUDENT NOTES