

**NEVADA STATE COLLEGE**

## SCHOOL OF LIBERAL ARTS &amp; SCIENCES

**INTERDISCIPLINARY DATA SCIENCE, B.S.****COLLEGE CORE CURRICULUM (31-44 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 Psychology 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

## NEVADA STATE COLLEGE

## SCHOOL OF LIBERAL ARTS &amp; SCIENCES

## INTERDISCIPLINARY DATA SCIENCE, B.S.

## MAJOR REQUIREMENTS (43-45 CREDITS)

## MATHEMATICS AND STATISTICS CORE

14 CREDITS

- |                                     |                                      |   |
|-------------------------------------|--------------------------------------|---|
| <input type="checkbox"/> MATH 181** | Calculus I                           | 4 |
| <input type="checkbox"/> MATH 182** | Calculus II                          | 4 |
| <input type="checkbox"/> MATH 330** | Linear Algebra I                     | 3 |
| <input type="checkbox"/> 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

- |                                     |                                      |   |
|-------------------------------------|--------------------------------------|---|
| <input type="checkbox"/> CS 135**   | Computer Science I                   | 3 |
| <input type="checkbox"/> CS 202**   | Computer Science II                  | 3 |
| <input type="checkbox"/> DATA 101   | Introduction to Data Science         | 3 |
| <input type="checkbox"/> DATA 210** | Introduction to SQL for Data Science | 3 |
| <input type="checkbox"/> DATA 220** | Research Methods for Data Science    | 3 |
| <input type="checkbox"/> DATA 310** | Data Visualization                   | 3 |

## PROFESSIONAL SKILLS

9 CREDITS

Select any three courses from the following list of electives:

- |                                     |                                       |   |
|-------------------------------------|---------------------------------------|---|
| <input type="checkbox"/> COM 102    | Intro to Interpersonal Communication  | 3 |
| <input type="checkbox"/> COM 216    | Survey of Communication Studies       | 3 |
| <input type="checkbox"/> COM 315    | Small Group Communication             | 3 |
| <input type="checkbox"/> COM 329**  | Business and Professional Speaking    | 3 |
| <input type="checkbox"/> COM 404    | Principles of Persuasion              | 3 |
| <input type="checkbox"/> COM 434    | Communication and Conflict Resolution | 3 |
| <input type="checkbox"/> ENG 204**  | Intro to Professional Writing         | 3 |
| <input type="checkbox"/> ENG 212**  | Intro to Writing Studies              | 3 |
| <input type="checkbox"/> ENG 231**  | World Literature I                    | 3 |
| <input type="checkbox"/> ENG 407A** | Fundamentals of Business Writing      | 3 |
| <input type="checkbox"/> ENG 407B** | Fundamentals of Technical Writing     | 3 |

## ELECTIVES

3 CREDITS

Select any course from the following list of electives:

- |                                     |                                       |   |
|-------------------------------------|---------------------------------------|---|
| <input type="checkbox"/> MATH 352** | Probability and Statistics            | 3 |
| <input type="checkbox"/> DATA 320** | Introduction to Mathematical Modeling | 3 |
| <input type="checkbox"/> DATA 410** | Exploratory Data Analysis             | 3 |

Students may also select:

- Any other 300+ level DATA course
- Any "Professional Skills" course listed above not used to satisfy the requirement

## CAPSTONE OR INTERNSHIP

3 CREDITS

Select one of the following courses:

- |                                     |                       |     |
|-------------------------------------|-----------------------|-----|
| <input type="checkbox"/> DATA 480** | Data Science Capstone | 3   |
| <input type="checkbox"/> 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)

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 PROGRAM  
INFORMATION INCLUDING  
COURSE DESCRIPTIONS AND  
PREREQUISITES.

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SCHOOL OF LIBERAL ARTS & SCIENCES

# INTERDISCIPLINARY DATA SCIENCE, B.S.

### 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
<input type="checkbox"/> 120 CREDITS	Total minimum earned credits (must be 100 level or above)	120	_____	_____
<input type="checkbox"/> RESIDENCY RULE	Upper division credits from Nevada State (minimum)	30	_____	_____
<input type="checkbox"/> 4-YEAR RULE	Credits from a 4-year institution (minimum)	60	_____	_____

### ADVISOR NOTES

### STUDENT NOTES

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