NAME & NSHE ID #: _____

NEVADA STATE UNIVERSITY
SCHOOL OF LIBERAL ARTS, SCIENCES, & BUSINESS
MATHEMATICS, B.S.

COLLEGE CORE CURRICULUM (33-44 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 be used to fulfill this Core 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**

☐ 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 Mathematics major, please refer to accompanying "Major Degree Checklist"

MAJOR REQUIREMENTS (54 CREDITS)

ADDITIONAL GENERAL ELECTIVES (22-33 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.

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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 (54 CREDITS)

MATH CORE — 42 CREDITS

☐	**MATH 181****	Calculus I	4
☐	**MATH 182****	Calculus II	4
☐	**MATH 283****	Calculus III	4
☐	**MATH 301****	Introduction to Proofs: Logic, Sets, and Functions	3
☐	**MATH 330****	Linear Algebra I	3
☐	**MATH 352****	Probability and Statistics	3
☐	**MATH 427****	Differential Equations	3
☐	**MATH 453****	Abstract Algebra	3
☐	**MATH 457****	Introduction to Real Analysis I	3
☐	**MATH 489****	Advanced Mathematical Topics	3
☐	**STAT 152**	Introduction to Statistics	3

Choose one of the following:

☐	**CS 135**	Computer Science I	3
	OR		
☐	**CS 138**	Programming For Data Science in Python I	3

Choose one of the following:

☐	**MATH 430****	Linear Algebra II	3
	OR		
☐	**MATH 454****	Abstract Algebra II	3
	OR		
☐	**MATH 458****	Introduction to Real Analysis II	3

UPPER DIVISION MATHEMATICS RELATED ELECTIVES — 12 CREDITS

Students must take 12 additional units of MATH or STAT courses at the 300 or 400 level. Any combination of the following courses (NOTE: MATH 491 can be repeated for up to 3 units):

- Any 300+ MATH or STAT course not counted in the required core or DATA 320 or DATA 330
- School of Education Dual MATH/MATH Education Majors are required to take EDSC 453, MATH 381, and MATH 455

☐	Upper Division Elective	3
☐	Upper Division Elective	3
☐	Upper Division Elective	3
☐	Upper Division Elective	3

OPTIONAL CONCENTRATIONS

Optional concentrations are available in mathematics education and statistics and applied mathematics

TOTAL CREDITS FOR DEGREE (120 CREDITS)

NEVADA STATE UNIVERSITY

SCHOOL OF LIBERAL ARTS, SCIENCES, & BUSINESS

MATHEMATICS, B.S.

CREDIT REQUIREMENTS

Summary of credit requirements for the Bachelor of Science in Mathematics

☐ **College Core Curriculum**	33-44	
☐ **Major Requirements**	54	
☐ **General elective credit**	22-33	

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