NEVADA STATE COLLEGE

SCHOOL OF LIBERAL ARTS & SCIENCES

MATHEMATICS, B.S.

COLLEGE CORE CURRICULUM (33-44 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

8 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.

4 CREDITS □ MATHEMATICS

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 Mathematics major within the Core Mathematics requirement:

☐ MATH 181** | Calculus | 4

□ NATURAL SCIENCES

The following is required as a Mathematics major within the Core Natural Science requirement. Please complete 8 credits, from 1 of the following combinations:

Intro to Cell and Molecular Biology ☐ BIOL 190** † | Intro to Organismal Biology ☐ **BIOL 191** †

☐ CHEM 121** † | General Chemistry | 4 ☐ CHEM 122** † | General Chemistry II 4

OR

□ PHYS 151** †	General Physics I	4
□ PHYS 152** †	General Physics II	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 (47 CREDITS)

ADDITIONAL GENERAL ELECTIVES (29-40 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

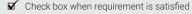
SCHOOL OF LIBERAL ARTS & SCIENCES

MATHEMATICS, B.S.

MAJOR REQUIREMENTS (47 CREDITS)

MATH CORE 35	CREDITS			
☐ CS 135 Computer Science I	3			
☐ MATH 182** Calculus II	4			
☐ MATH 283** Calculus III	4			
■ MATH 301** Introduction to Proofs: Logic, Sets, and	l			
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			
Choose one of the following: ☐ MATH 430** Linear Algebra II OR ☐ MATH 454** Abstract Algebra II	3			
OR ☐ MATH 458** Introduction to Real Analysis II	3			
UPPER DIVISION MATHEMATICS ELECTIVES 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):				
 □ MATH or STAT** MATH or STAT Upper Division Ele □ MATH or STAT** MATH or STAT Upper Division Ele □ MATH or STAT** MATH or STAT Upper Division Ele □ MATH or STAT** MATH or STAT Upper Division Ele 	ctive 3 ctive 3			

TOTAL CREDITS FOR DEGREE (120 CREDITS)



^{**}Indicates a prerequisite and/or corequisite is required. Please refer to the catalog or speak to an advisor about these requirements.

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SCAN HERE FOR MORE PROGRAM INFORMATION INCLUDING **COURSE DESCRIPTIONS AND** PREREQUISITES.

NAME & NSHE ID #:	

2021-2022 CATALOG **DEGREE OVERVIEW & NOTES PAGE**

NEVADA STATE COLLEGE

SCHOOL OF LIBERAL ARTS & SO	JIENUES		
MATHEMATICS.	B.S.		
CREDIT REQUIREMENTS			
Summary of credit requirements for the Bachelor of Science in N	lathematics		
 □ College Core Curriculum □ Major Requirements 	33-44 47		
TOTAL CREDITS	120		
ADDITIONAL GRADUATION REQUIREMENTS □ 120 CREDITS	e (minimum) 3		CREDITS REMAINING
ADVISOR NOTES	STUDENT	NOTES	