NAME & NSHE ID #:

2022-2023 CATALOG **COLLEGE CORE CURRICULUM** CHECKLIST

## **NEVADA STATE COLLEGE**

SCHOOL OF LIBERAL ARTS & SCIENCES

# BIOLOGY. 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)

☐ English Composition II 3

3-5

4

#### ☐ 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.

#### **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 Biology major within the Core Mathematics requirement:

☐ MATH 181\*\* | Calculus |

#### **8 CREDITS** □ NATURAL SCIENCES

The following is required as a Biology major within the Core Natural Science requirement:

☐ CHEM 121\*\* † | General Chemistry | 4

☐ CHEM 122\*\* † | General Chemistry || 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

□ CULTURAL DIVERSITY **3 CREDITS** 

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

**MAJOR REQUIREMENTS (59 CREDITS)** 

**ADDITIONAL GENERAL ELECTIVES (17-28 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

† Indicates a lab is required.

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

# BIOLOGY. B.S

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 (59 CREDITS)**

	DLOGY CORE COU BIOL 190** †   BIOL 191 †   BIOL 209**	Intro to Cell and Molecular Bio Intro to Organismal Biology	21 CREDITS logy 4 4 3
	BIOL 220** OR	Intro to Ecological Principles	3
	ENV 220**	Intro to Ecological Principles	3
	BIOL 300** †	Principles of Genetics	4
	BIOL 415**	Evolution	3
	CHEM 241** +   CHEM 242** +   CHEM 474**   PHYS 151** +   PHYS 152** +   STAT 391**	Organic Chemistry II Biochemistry I General Physics I General Physics II	22 CREDITS 4 4 3 4 4 Il Sciences 3
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	BIOL 405L**	Molecular and Cell Biology Techniques	1
	BIOL 408**	Bioremediation	3
	BIOL 409**	Virology	3
	BIOL 414**	Endocrinology	3
	BIOL 416**	Bioinformatics	3
	BIOL 419**	Tropical Ecology	3
	BIOL 428**	Medical Gross Anatomy	4
	BIOL 433** †	Ornithology	4
	BIOL 437**	Entomology	4
	BIOL 440** †	Mammalian Physiology	3
	BIOL 441**	Field Ecology	4
	BIOL 447**	Comparative Animal Physiology	4
	BIOL 448**	Mammalian Physiology - Laboratory	1
	BIOL 450**	Special Topics	3
	BIOL 450L**	Special Topics Lab	1
	BIOL 453**	Immunology	3
	BIOL 457** †	Molecular and Cellular Immunology	4
	BIOL 460**	Microbial Physiology	3
	BIOL 461**	Global Health	4
	BIOL 462**	Microbial Ecology	3
	BIOL 470**	Topics in Applied Microbiology	3
	BIOL 472** †	Limnology	4
	BIOL 473**	Advanced Topics in Cell and	
		Molecular Biology	3
	BIOL 474**	History & Evolution of Medicine and	
		Medical Procedures	4
	BIOL 475**	Neurobiology	3
	BIOL 493**	Undergraduate Seminar	1
	BIOL 494**	Biology Colloquium	1
	BIOL 497**	Senior Thesis	3
	CHEM 456**	Medical Biochemistry	3
	CHEM 472**	Biochemistry Laboratory	2
	CHEM 475**	Biochemistry II	3
	NRES 360**	Environmental Instrumentation	4

## **TOTAL CREDITS FOR DEGREE (120 CREDITS)**

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

NAME & NSHE ID #:	

**2022-2023 CATALOG DEGREE OVERVIEW & NOTES PAGE** 

## **NEVADA STATE COLLEGE**

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# BIOLOGY, B.S.

CDENIT	DECILIDEMENTS	

CREDIT REQUIRE	MENTS					
Summary of credit	requirements for the Bachelor of Sci	ence in Biology.				
<ul><li>□ College Core Cu</li><li>□ Major Requirem</li></ul>		33-44 59				
	ELECTIVE REQUIREMENTS N CREDITS   Must be 300-400 level	9			CREDITS COMPLETED	CREDITS REMAINING
ADDITIONAL GRA  120 CREDITS  RESIDENCY RUL  4-YEAR RULE	ADUATION REQUIREMENTS    Total minimum earned credits ( LE   Upper division credits from Nev   Credits from a 4-year institution	vada State (minim		120 30 60	CREDITS COMPLETED	CREDITS REMAINING
ADVISOR NOTES			STUDENT	NOTES		