NAME & NSHE ID #:		
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2023-2024 CATALOG **COLLEGE CORE CURRICULUM CHECKLIST**

NEVADA STATE UNIVERSITY

SCHOOL OF LIBERAL ARTS, SCIENCES, & BUSINESS

BIOLOGY. B.S.

COLLEGE CORE CURRICULUM (19-44 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.

- 3-5 ☐ English Composition I (ENG 100, 101, or 116) 3
- ☐ English Composition II

☐ 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)
- □ MATHEMATICS **3-5 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 satisfy this requirement. Please see your degree outline and/or consult an Academic Advisor.

□ NATURAL SCIENCES 7-8 CREDITS

Students are required to take two science courses, at least one of which must include an associated laboratory component. Classes in the major may satisfy this requirement. Please see your degree outline and/or consult an Academic Advisor.

- □ Natural Science Core 3-4
- □ Natural Science Core with Lab

□ 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 Biology major, please refer to accompanying "Major Degree Checklist"

MAJOR REQUIREMENTS (71 CREDITS)

ADDITIONAL GENERAL ELECTIVES (9-30 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.

NAME & NSHE ID #:	
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2023-2024 CATALOG **MAJOR DEGREE CHECKLIST (PAGE 2)**

NEVADA STATE UNIVERSITY

SCHOOL OF LIBERAL ARTS, SCIENCES, & BUSINESS

BIOLOGY (Physiology Concentration), 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 (71 CREDITS)

BIOLOGY CORE COUR		21 CREDITS
□ BIOL 190** †		ogy 4
□ BIOL 191 †	Intro to Organismal Biology	4
□ BIOL 209**	Cell Processes	3
BIOL 220**	Intro to Ecological Principles	3
□ OR		
ENV 220**	Intro to Ecological Principles	3
□ BIOL 300** †	Principles of Genetics	4
□ BIOL 415**	Evolution	3
RELATED MATH/SCIE	NCE REQUIREMENTS	34 CREDITS
	NCE REQUIREMENTS General Chemistry I	34 CREDITS
□ CHEM 121** †		
□ CHEM 121** † □ CHEM 122** †	General Chemistry I	4
□ CHEM 121** † □ CHEM 122** †	General Chemistry I General Chemistry II	4
□ CHEM 121** † □ CHEM 122** † □ CHEM 241** †	General Chemistry I General Chemistry II Organic Chemistry I	4 4 4
□ CHEM 121** † □ CHEM 122** † □ CHEM 241** † □ CHEM 242** †	General Chemistry I General Chemistry II Organic Chemistry I Organic Chemistry II	4 4 4
□ CHEM 121** † □ CHEM 122** † □ CHEM 241** † □ CHEM 242** † □ CHEM 474**	General Chemistry I General Chemistry II Organic Chemistry I Organic Chemistry II Biochemistry I	4 4 4 4 3
□ CHEM 121** † □ CHEM 122** † □ CHEM 241** † □ CHEM 242** † □ CHEM 474** □ MATH 181**	General Chemistry I General Chemistry II Organic Chemistry I Organic Chemistry II Biochemistry I Calculus I	4 4 4 4 3 4

Concentrations are optional for the biology major. If students complete one of the three biology concentrations options (physiology, cellular & molecular biology, evolution & ecology), the courses will count towards the 16 upper division biology electives credits required for the degree.

At least one elective must be a 4-credit course that has a lab/field experience component. No more than 6 total hours can come from: BIOL 399, BIOL 491,

CONCENTRATION IN	PHYSIOLOGY 16 CREI	DITS
☐ BIOL 405**	Molecular Biology	3
□ BIOL 440** †	Mammalian Physiology	3
☐ BIOL 448**	Mammalian Physiology - Laboratory	1
□ BIOL 414 **	Endocrinology	3
Please complete 6 additi	onal credits of the following:.	
☐ BIOL 306/CHEM	306** Intro to Scientific Ethics	1
□ BIOL 319** †	Vertebrate Biology	4
□ BIOL 405L**	Molecular and Cell Biology Techniques	1
☐ BIOL 409**	Virology	3
☐ BIOL 447**	Comparative Animal Physiology	4
☐ BIOL 453**	Immunology	3
☐ BIOL 461**	Global Health	4
☐ BIOL 473**	Advanced Topics in Cell and Molecular	
	Biology	3
□ BIOL 475**	Neurobiology	3
☐ BIOL 493**	Undergraduate Seminar	1
☐ BIOL 494/ENV 49	94** Biology Colloquium	1
□ BIOL 497**	Senior Thesis	3
☐ CHEM 456**	Medical Biochemistry	3
☐ CHEM 475**	Biochemistry II	3

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.

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2023-2024 CATALOG DEGREE OVERVIEW & NOTES PAGE

NEVADA STATE UNIVERSITY

SCHOOL OF LIBERAL ARTS, SCIENCES, & BUSINESS

BIOLOGY. B.S.

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CREDIT REQUIREMENTS				
Summary of credit requirements for the Bachelor of Science in Biology				
□ College Core Curriculum 19-54				
☐ Major Requirements 71				
☐ General elective credit 9-30				
UPPER DIVISION ELECTIVE REQUIREMENTS □ UPPER DIVISION CREDITS Must be 300-400 level		9	CREDITS COMPLETED	CREDITS REMAINING
ADDITIONAL GRADUATION REQUIREMENTS ☐ 120 CREDITS College credits earned (minimum; must be 100 lev	el or above)	120	CREDITS COMPLETED	CREDITS REMAINING
□ RESIDENCY RULE Upper division credits from Nevada State (minimum	n)	30		
ADVICED NOTES				
ADVISOR NOTES	STUDEN	IT NOTES		
	-			