

NAME & NSHE ID: _____

**2024-2025
CORE CURRICULUM &
GRADUATION
REQUIREMENTS
CHECKLIST**

NEVADA STATE UNIVERSITY
SCHOOL OF LIBERAL ARTS, SCIENCES & BUSINESS

CORE CURRICULUM & GRADUATION REQUIREMENTS

CORE CURRICULUM

Please refer to the **Nevada State (NS) catalog** for the full list of courses that can satisfy each of the Core Curriculum requirements below.

ENGLISH.....3-8 CREDITS

NS students can be placed into English courses by submitting ACT or SAT scores OR by completing the English Directed Self-Placement survey. Students often take Composition I during their first semester at NS and Composition II during the second semester. Students who complete Composition II will satisfy the full Core English requirement.

- _____ | Composition I Course.....Credits: _____
- ENG 102 | Composition II Course.....Credits: 3

STUDY AND TECHNOLOGY SKILLS.....0-3 CREDITS

Transfer students with 30+ transferable college credits or NS students who complete the Nepantla Summer Bridge Program with a 3.0+ average GPA can waive this requirement.

- _____ | College Success Course.....Credits: _____

MATHEMATICS.....3-4 CREDITS

NS students can be placed into Core Math courses by submitting ACT or SAT scores OR by completing the Math Directed Self-Placement survey. Please see your degree outline and/or consult an Academic Advisor regarding your specific major requirements.

- _____ | Math Core Course.....Credits: _____

NATURAL SCIENCES.....7-8 CREDITS

Two science courses are required, at least one of which must include an associated laboratory (often a co-requisite 1-credit course).

- _____ | Natural Science Core Course.....Credits: _____
- _____ | Natural Science Core + Lab Course(s).....Credits: _____

SOCIAL SCIENCES.....3 CREDITS

- _____ | Social Sciences Core Course.....Credits: 3

FINE ARTS.....3 CREDITS

- _____ | Fine Arts Core Course.....Credits: 3

HUMANITIES.....6 CREDITS

- _____ | Humanities Core Course.....Credits: 3
- _____ | Humanities Core Course.....Credits: 3

CONSTITUTION.....3-6 CREDITS

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).

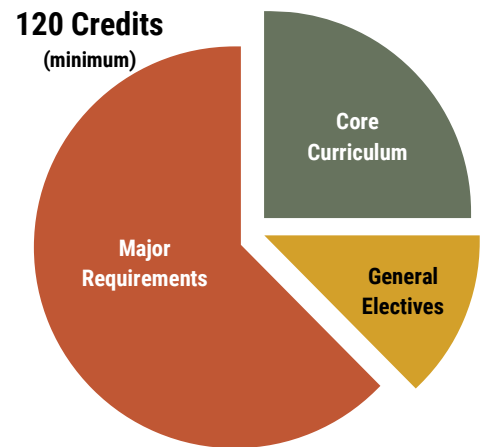
- _____ | NV Constitution Course.....Credits: _____
- _____ | US Constitution Course.....Credits: _____

CULTURAL DIVERSITY.....3 CREDITS

- _____ | Cultural Diversity Core Course.....Credits: 3

Certain Core and Graduation requirements may be satisfied by completing classes in your major.

However, a single course cannot fulfill more than one **Core** requirement. Please ask an Academic Advisor for details.



GRADUATION REQUIREMENTS

General elective courses may be needed to complete the graduation requirements if they are not met once the Core Curriculum and Major requirements are satisfied.

- NS GPA** | Minimum 2.0 GPA from NS courses is required. For students with transfer credits, minimum 2.0 cumulative GPA (NS + Transfer) is required.

- RESIDENCY RULE** | At least 30 upper division credits completed at Nevada State
CREDITS COMPLETED: _____

CREDITS REMAINING: _____

- 120 CREDITS** | At least 120 credits from 100 level courses or above are required
CREDITS COMPLETED: _____

CREDITS REMAINING: _____

*Indicates a required prerequisite and/or corequisite. Please refer to the catalog or speak to an advisor for details. This sample degree checklist is a planning tool for the current academic year. Each student's situation is unique and your degree may differ from this sample. It is recommended that students review the Academic Requirements report in your Student Center and meet regularly with an Academic Advisor to verify degree progression.



SCAN OR CLICK HERE FOR MORE INFORMATION ON THE CORE CURRICULUM INCLUDING A FULL LIST OF ELIGIBLE COURSES

NEVADA STATE UNIVERSITY

SCHOOL OF LIBERAL ARTS, SCIENCES & BUSINESS

BIOLOGY B.S. Cell & Molecular Biology Concentration

MAJOR REQUIREMENTS (80 CREDITS)

All courses used to fulfill major requirements must be completed with a minimum C-. Grades below a C- carry no credit towards major requirements.

Concentrations are optional for the biology major. If students complete one of the four biology concentrations options (Cell & Molecular Biology, Evolution & Ecology, Physiology, or PharmD Track with Roseman University), the courses will count towards the 16 upper division biology electives credits required for the degree.

BIOLOGY CORE COURSES.....21 CREDITS

- BIOL 190A* | Intro to Cell & Molecular Biology (Lec)..... Credits: 3
- BIOL 190L* | Intro to Cell & Molecular Biology (Lab)..... Credits: 1
- BIOL 191A* | Intro to Organismal Biology (Lec)..... Credits: 3
- BIOL 191L* | Intro to Organismal Biology (Lab)..... Credits: 1
- BIOL 209* | Cell Processes..... Credits: 3
- BIOL 220/
ENV 220* | Intro to Ecological Principles..... Credits: 3
- BIOL 300A* | Principles of Genetics (Lec)..... Credits: 3
- BIOL 300L* | Principles of Genetics (Lab)..... Credits: 1
- BIOL 415* | Evolution..... Credits: 3

RELATED MATH/SCIENCE COURSES.....34 CREDITS

- CHEM 121A* | General Chemistry I (Lec)..... Credits: 3
- CHEM 121L* | General Chemistry I (Lab)..... Credits: 1
- CHEM 122A* | General Chemistry II (Lec)..... Credits: 3
- CHEM 122L* | General Chemistry II (Lab)..... Credits: 1
- CHEM 241* | Organic Chemistry I (Lec)..... Credits: 3
- CHEM 241L* | Organic Chemistry I (Lab)..... Credits: 1
- CHEM 242* | Organic Chemistry II (Lec)..... Credits: 3
- CHEM 242L* | Organic Chemistry II (Lab)..... Credits: 1
- CHEM 474* | Biochemistry I..... Credits: 3
- MATH 181* | Calculus I..... Credits: 4
- PHYS 151A* | General Physics I (Lec)..... Credits: 3
- PHYS 151L* | General Physics I (Lab)..... Credits: 1
- PHYS 152A* | General Physics II (Lec)..... Credits: 3
- PHYS 151L* | General Physics II (Lab)..... Credits: 1
- STAT 391* | Applied Statistics for Biological Sciences..... Credits: 3

UPPER DIVISION ELECTIVES.....9 CREDITS

Complete 9 credits of Upper Division course work from any department.

- _____ | Upper Division Elective..... Credits: _____
- _____ | Upper Division Elective..... Credits: _____
- _____ | Upper Division Elective..... Credits: _____

CONCENTRATION.....16 CREDITS

Concentrations are optional for the biology major. If students complete one of the four biology concentrations options (Cell & Molecular Biology, Evolution & Ecology, Physiology, or PharmD Track with Roseman University), the courses will count towards the 16 upper division biology electives credits required for the degree.

NOTE: At least one course must be a 4-credit course that has a lab/field experience. No more than 6 total hours can come from: BIOL 399, BIOL 491, BIOL 492.

CELL & MOLECULAR BIOLOGY CONCENTRATION

- BIOL 405* | Molecular Biology..... Credits: 3
- BIOL 453* | Immunology..... Credits: 3

Select 10 credits from the following courses: BIOL 306/CHEM 306*, BIOL 330A*, BIOL 330L*†, BIOL 351A*, BIOL 351L*†, BIOL 405L*†, BIOL 409*, BIOL 414*, BIOL 416*, BIOL 437*†, BIOL 440*, BIOL 448*†, BIOL 457*†, BIOL 460*†, BIOL 470*, BIOL 473*, BIOL 475*, BIOL 493*, BIOL 494/ENV 494*, BIOL 497*/CHEM 496*, CHEM 380*, CHEM 456*/BCH 456*, CHEM 472*†, or CHEM 475*

† Indicates a course with a lab/field experience.

- _____ | Cell & Molecular Biology Elective..... Credits: _____
- _____ | Cell & Molecular Biology Elective..... Credits: _____
- _____ | Cell & Molecular Biology Elective..... Credits: _____
- _____ | Cell & Molecular Biology Elective..... Credits: _____
- _____ | Cell & Molecular Biology Elective..... Credits: _____
- _____ | Cell & Molecular Biology Elective..... Credits: _____
- _____ | Cell & Molecular Biology Elective..... Credits: _____

GENERAL ELECTIVES.....5-28 CREDITS

General elective courses are taken to complete the minimum 120 credits needed for graduation. General elective courses cannot double-dip with any major requirements but can be fulfilled by minor requirements. If you declare a minor or additional major, please check with your academic advisor about related policies.

GENERAL ELECTIVE CREDITS COMPLETED: _____

GENERAL ELECTIVE CREDITS REMAINING: _____

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SCAN OR [CLICK HERE](#) FOR MORE PROGRAM INFORMATION INCLUDING COURSE DESCRIPTIONS AND PREREQUISITES.

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NOTES

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