



NEVADA STATE UNIVERSITY ❖ SCHOOL OF EDUCATION
2024-2025 BACHELOR OF SCIENCE IN EDUCATION,
SECONDARY EDUCATION WITH A CONCENTRATION IN MATHEMATICS

College Core Curriculum (33-44 credits)

English (3-8 credits)

ENG 100-Composition I Enhanced (5) **OR**
ENG 116-Composition for Multilingual Students (5) **OR**
ENG 101-Composition I (3) **AND**
ENG 102-Composition II (3)

Study and Technology Skills (0-3 credits)

CEP 123-College and Career Success (2) **OR**
ALS 101N-College Success (3)

Mathematics (4 credits)

MATH 181-Calculus I (4)

Natural Sciences (8 credits)

Select one of the following combinations:

BIOL 190A-Introduction to Cell & Molecular Biology
Lecture (3)
BIOL 190L-Introduction to Cell & Molecular Biology Lab (1)
BIOL 191A-Introduction to Organismal Biology Lecture (3)
BIOL 191L-Introduction to Organismal Biology Lab (1)

OR

CHEM 121A-General Chemistry I (3)
CHEM 121L-General Chemistry Laboratory I* (1)
CHEM 122A-General Chemistry II (3)
CHEM 122L-General Chemistry Laboratory II* (1)

OR

PHYS 151A-General Physics I - Lecture (3)
PHYS 151L-General Physics I Laboratory (1)
PHYS 152A-General Physics II - Lecture (3)
PHYS 152L-General Physics II Laboratory (1)

Social Sciences (3 credits)

Select one course from the following:

ANTH 101-Introduction to Cultural Anthropology (3)
COM 216-Survey of Communication Sciences (3)
COU 300-Introduction to Human Services & Counseling (3)
CRJ 104-Introduction to Administration of Justice (3)
DATA 101-Introduction to Data Science (3)
ECON 103-Principles of Macroeconomics (3)
PSC 231-World Politics (3)
PSY 101-General Psychology (3)
SOC 101-Principles of Sociology (3)
SOC 102-Contemporary Social Issues (3)

Fine Arts (3 credits)

Select one course from the following:

ART Course (3): ART 100, ART 101, ART 141/VIS 150, ART
160, ART 216, ART 240, ART 265, ART 271, ART 289, or ART
475
FILM 100-Introduction to Film (3)
FILM 110-Language of Film (3)
MUS 121-Music Appreciation (3)
MUS 122-Survey of Jazz (3)
MUS 132-Masterworks of Music (3)

MUS 134-Jazz Appreciation (3)
THTR 100-Introduction to the Theatre (3)
THTR 105-Introduction to Acting I (3)

Humanities (6 credits)

EDU 250-Foundations of Education (3)
Select one course from the following:
AM 140-American Sign Language I & II (6)
AM 145-American Sign Language I (3)
AM 146-American Sign Language II (3)
AM 254-Deaf History (3)
CH 201-Ancient and Medieval Cultures (3)
CH 202-The Modern World (3)
COM 101-Oral Communication (3) **(RECOMMENDED)**
COM 110-Power, Culture and Society (3)
COM 250-News Gathering and Writing (3)
ENG Course (3): ENG 131, ENG 203, ENG 231, ENG 232,
ENG 241, ENG 242, ENG 251, ENG 268, ENG 270, ENG 277,
ENG 298, ENG 301, ENG 305, ENG 307, or ENG 477A/FILM
495
History Course (3): HIST 101, HIST 102, HIST 217, HIST 227,
HIST 228, HIST 229, HIST 276, HIST 293, HIST 307, HIST
371, HIST 401, HIST 403, HIST 424, HIST 426, HIST 432,
HIST 436, HIST 444, or HIST 452B
Philosophy Course (3): PHIL 101, PHIL 102, PHIL 135, PHIL
207, PHIL 210, PHIL 245, PHIL 311
Spanish Course (3): SPAN 113, SPAN 114, SPAN 226 or
SPAN 227

Constitution (3-6 credits)

**Students are required to complete U.S. and Nevada
constitution. Complete one course that fulfills both U.S.
and Nevada constitution. (1 course, 3 credits)**

CH 203-American Experience & Constitutional Change (3)
PSC 101 (from an NSHE institution) (4)

**Or complete either one US constitution and one NV
constitution course (2 courses, 6 credits):**

US Constitution

Complete one of the following US constitution courses:
HIST 101-US History to 1877 (3)
PSC 101 (equivalent from out-of-state)

NV Constitution

Complete one of the following NV constitution courses:
HIST 102-US History Since 1877 (3)
HIST 217-Nevada History (3)
PSC 100-Nevada Constitution (1)

Cultural Diversity (3 credits)

EDU 280 Valuing Cultural Diversity (3)

Major Requirements (89 credits)

Required Mathematics Core (41 credits)

CS 135-Computer Science I (3)
MATH 182-Calculus II (4)

MATH 283-Calculus III (4)
MATH 301-Intro to Proofs: Logic, Sets and Functions (3)
MATH 330-Linear Algebra I (3)
MATH 381-Methods of Discrete Mathematics (3)
MATH 427-Differential Equations (3)
MATH 453-Abstract Algebra (3)
MATH 455-Elementary Theory of Numbers (3)
MATH 457-Introduction to Real Analysis I (3)
MATH 489-Advanced Mathematical Topics (3)
STAT 152 - Introduction to Statistics (3)

Select one course from the following:

MATH 430-Linear Algebra II (3)
MATH 454-Abstract Algebra II (3)
MATH 458-Introduction to Real Analysis II (3)

Additional Mathematics Electives (6 credits)

Any combination of the following courses:

- Any 300+ MATH or STAT course not counted as the require core.
 - Note: MATH 491 can be repeated for up to 3 units

MATH 314-History of Mathematics (3)
MATH 459-Elementary Complex Analysis (3)
MATH 475- Euclidean and Non-Euclidean Geometry (3)
MATH 483-General Topology I (3)
MATH 491-Problem Solving Workshop** (1-3)
(*Can be repeated for up to 3 units)
*MATH 430 Linear Algebra II
*MATH 454 Abstract Algebra II
*MATH 458 Introduction to Real Analysis II
STAT 391-Applied Statistics for Biological Sciences
(*Can only be used as a Math Elective if it is not used to meet the Math Core)

Secondary Education Courses (42 credits)

EDRL 471-Theory and Practice for Academic English Language Development (3)
EDRL 474-Methods and Curriculum for Teaching English Language (3)
EDRL 475-Assessment and Evaluation English Language Learners (3)
EDSP 411-Students with Disabilities in General Education Settings (3)
EDSP 432-Parent Involvement and Family Engagement for Students with/without Disabilities (3)
EDU 220 Principles of Educational Psychology (3)

Select one course from the following:

EDU 214-Preparing Teachers to Use Technology (3)
EDUC 399-Foundations of Educational Technology (3)

**The following courses require
Teacher Preparation Program admission:**

EDRL 477-Policies, Critical Issues and Best Practices for ELLS - Practicum (3)
EDSC 325- Differentiated Instruction and Assessment for Diverse Learners (3)

EDSC 453-Teaching Secondary Mathematics (3)

Student Teaching

EDSC 483-Secondary Supervised Teaching Internship (9)
EDU 283 Community and Advocacy in Education (3)

Summary of Credit Requirements

College Core Curriculum (33-44 credits)
Major Requirements (89 credits)
Total Credits (122 credits)

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