



**NEVADA
CONNECTIONS
ACADEMY**

**Dual Enrollment Course Catalog
2022-2023 School Year**

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How to Use this Course Catalog:

Each subject has the course offerings and within each course offering is a description of that course, the prerequisite (if applicable), and the High School credit it replaces. It is important to confirm whether there is a prerequisite for the course you would like to take. The prerequisite is a course that you must take prior to taking that course. It is also important to understand the high school credit you will be replacing. For instance, Political Science 101 replaces the required High School US Government course so not only will you be earning 3 college credits, but you will also be earning the high school credit for the US Government course required to graduate.

Anthropology (ANTH)

ANTH 102 – Introduction to Physical Anthropology (3 College Credits)

Genetics, heredity, diversity, and the origins and evolution of humans. Examines basic evolutionary biology, including natural selection, and the relevant history, science, and methods in this field.

Prerequisite - NONE

High School Credit It Replaces - Science

Art (ART)

ART 101 – Drawing I (3 College Credits)

An introductory studio course emphasizing a disciplined foundation in drawing concepts based on visual observations.

Prerequisite - NONE

High School Credit It Replaces - Humanities

ART 102 – Drawing II (3 College Credits)

Further development of the fundamental drawing skills acquired in ART 101. Emphasis on extending visual concepts, exploring alternate materials, and developing compositional devices. Study of various applications of life drawing included.

Prerequisite – ART 101

High School Credit It Replaces – Humanities

Cisco Certified (CSCO)

CSCO 120 – CCNA – Introduction to Networks (4 College Credits)

Introduction to Networks (ITN) covers the architecture, structure, functions and components of the Internet and other computer networks. Students achieve a basic understanding of how networks operate and how to build simple local area networks (LAN), perform basic configurations for routers and switches, and implement Internet Protocol (IP).

Prerequisite - NONE

High School Credit It Replaces - Elective

CSCO 121 – CCNA Switching, Routing, and Wireless Essentials (4 College Credits)

Switching, Routing, and Wireless Essentials (SRWE) covers the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts. Students learn how to configure and troubleshoot routers and switches for advanced functionality using security best practices and resolve common issues with protocols in both IPv4 and IPv6 networks.

Prerequisite – CSCO 120

High School Credit It Replaces - Elective

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CSCO 220 – CCNA Enterprise Networking, Security, and Automation (4 College Credits)

Enterprise Networking, Security, and Automation (ENSA) describes the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies. The course emphasizes network security concepts and introduces network virtualization and automation. Students learn how to configure, troubleshoot, and secure enterprise network devices and understand how application programming interfaces (API) and configuration management tools enable network automation.

Prerequisite – CSCO 121

High School Credit It Replaces - Elective

Communications (COM)

COM 101 – Oral Communication (3 College Credits)

Theory and practice in extemporaneous speaking and other prepared speaking experiences.

Prerequisite - NONE

High School Credit It Replaces - Elective

COM 102 – Introduction to Interpersonal Communication (3 College Credits)

Theory and practice in effective interpersonal communication with written and real-world applications. Topics may include perception, using verbal and nonverbal symbols, listening, self-disclosure, interpersonal conflict, developing and maintaining relationships.

Prerequisite – ENG 101

High School Credit It Replaces – Elective

Computer Information Technology (CIT)

CIT 173 – Introduction to Linux (3 College Credits)

An introduction to the Linux Operating System. Topics include Linux origins, file system, user commands and utilities, graphical user interfaces, editors, manual pages, and shells. Students are expected to have basic computer literacy prior to enrolling in this course.

Prerequisite - NONE

High School Credit It Replaces - Elective

CIT 174 – Linux System Administration (3 College Credits)

This course covers a variety of topics: installing and configuring a Linux Server, managing users and groups, securing the system and much more. Students should complete CIT 173 or have a knowledge of Linux fundamentals before attending this course.

Prerequisite - NONE

High School Credit It Replaces - Elective

Computer Office Technology (COT)

COT 101B – Computer Keyboarding I (3 College Credits)

Mastery of computer alpha-numeric keyboard and introduction of 10-key pad. Not for students who have previously had typing.

Prerequisite - NONE

High School Credit It Replaces - Elective

COT 127B – Microsoft Office for Offices (3 College Credits)

Includes the beginning features of Word, Excel, Access, and PowerPoint, the main programs in Microsoft Office. Emphasis on creating and editing office documents.

Prerequisite - NONE

High School Credit It Replaces - Elective

COT 209B – Tablet Computer, Voice, and Handwriting II (3 College Credits)

Covers more about Tablet computers and their capabilities, techniques, and shortcuts. Improve voice and handwriting recognition skills to create and edit documents and emails and perform Internet tasks. Use other current programs for note taking and reminders.

Prerequisite - NONE

High School Credit It Replaces - Elective

Criminal Justice (CRJ)

CRJ 104 – Introduction to Administration of Justice (3 College Credits)

This course is designed to introduce students to the American criminal justice system. This includes the development and components of the system in addition to the procedures that ensure due process. This course is the foundation of the formal study of criminal justice.

Prerequisite - NONE

High School Credit It Replaces - Elective

CRJ 106 – Introduction to Corrections (3 College Credits)

Survey of correctional science. Historical development, current concepts and practice, and study issues that impact the sentencing and management of offenders.

Prerequisite – CRJ 104

High School Credit It Replaces - Elective

CRJ 130 – Survey of Criminal Law (3 College Credits)

An introduction to criminal law, its common law origins, basic concepts, and applications in legal proceedings.

Prerequisite – CRJ 104

High School Credit It Replaces - Elective

Dance (DAN)

DAN 101 - Dance Appreciation (3 College Credits)

A multicultural exploration of the world's first and most universal art form. Ballet history, sex and social dance, the politics of dance and twentieth century self-expression among others are investigated through lecture, video, and demonstration.

Prerequisite - NONE

High School Credit It Replaces - Humanities

Early Childhood Education (ECE)

ECE 250 – Introduction to Early Childhood Education (3 College Credits)

An introduction to the field of early childhood education for children ages 3 - 8 years. Emphasis on the diverse physical, cognitive, social/emotional, and unique educational need of young children.

Prerequisite - NONE

High School Credit It Replaces - Elective

ECE 251 – Curriculum in Early Childhood Education (3 College Credits)

Study of curriculum models, planning, and implementation in early childhood programs.

Prerequisite – ECE 250 with a grade of C- or higher

High School Credit It Replaces - Elective

ECE 252 – Infant/Toddler Curriculum (3 College Credits)

Study of curriculum for children aged 0-2 1/2 years emphasizing physical, emotional, social, and cognitive development through daily routines and planned activities.

Prerequisite - NONE

High School Credit It Replaces - Elective

ECE 260 – Children’s Literature (3 College Credits)

Survey of children’s literature and poetry for teachers and parents. Emphasis on developing literacy and strategies for integrating children’s literature into school and home environments.

Prerequisite - NONE

High School Credit It Replaces - Elective

Education (EDU)

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EDU 214 – Preparing Teachers to Use Technology (3 College Credits)

Overview of uses of computers in education, including the use of the computer as a teacher utility, the use of application programs, and the selection and use of educational software.

Prerequisite - NONE

High School Credit It Replaces - Elective

EDU 220 – Principles of Educational Psychology (3 College Credits)

The psychology of learning, motivation, growth and development, personality, dynamics, and social adjustment.

Prerequisite – ECE 250 or EDU 201 or EDU 203

High School Credit It Replaces – Elective

English (ENG)

ENG 101 – Composition I (3 College Credits)

ENG 101 is designed to strengthen college-level writing skills, with particular attention to audience, purpose, and rhetorical situation focusing on the writing process and introducing research.

Prerequisite – English Placement Test

High School Credit It Replaces – English 11

ENG 102 – Composition II (3 College Credits)

ENG 102 is a continuation and extension of ENG 101 and equivalents with attention to analytical reading and writing, critical thinking, and research methodologies, while emphasizing interpretation, analysis, synthesis, and argument.

Prerequisite – ENG 101

High School Credit It Replaces – English 12

Environmental Science (ENV)

ENV 101 – Introduction to Environmental Science (3 College Credits)

A survey of basic ecological principles and an examination of selected environmental issues including overpopulation, pollution, and energy alternatives.

Prerequisite - NONE

High School Credit It Replaces - Science

Fire Science Technology (FT)

FT 101 – Principles of Emergency Services (3 College Credits)

This course provides an overview to fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics; life safety initiatives. FESHE Core Course.

Prerequisite - NONE

High School Credit It Replaces - Elective

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FT 105 – Fire Behavior and Combustion (3 College Credits)

This course explores the theories and fundamentals of how and why fires start, spread, and are controlled. FESHE Core Course.

Prerequisite - NONE

High School Credit It Replaces - Elective

FT 121 – Fire Prevention (3 College Credits)

This course provides fundamental knowledge relating to the field of fire prevention.

Topics include history and philosophy of fire prevention; organization and operation of a fire prevention bureau; use and application of codes and standards; plans review; fire inspections; fire and life safety education; and fire investigation. FESHE Core Course.

Prerequisite - NONE

High School Credit It Replaces - Elective

FT 125 – Building Construction for Fire Protection (3 College Credits)

This course provides the components of building construction related to firefighter and life safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies. FESHE Core Course.

Prerequisite - NONE

High School Credit It Replaces - Elective

FT 131 – Hazardous Materials Chemistry (3 College Credits)

This course provides basic chemistry relating to the categories of hazardous materials including recognition, identification, reactivity, transportation, awareness, and health hazards encountered by emergency services. FESHE Non-Core Course. This course qualifies the student to take the State Fire Marshal Hazardous Materials Awareness and Operations State Exam.

Prerequisite – FT 101

High School Credit It Replaces - Elective

FT 152 – Legal Aspects of Emergency Services – (3 College Credits)

This course will address the Federal, State, and local laws that regulate emergency services and include a review of national standards, regulations, and consensus standards. FESHE Non-Core Course.

Prerequisite – FT 101

High School Credit It Replaces - Elective

FT 154 – Principles of Fire and Emergency Services Safety and Survival (3 College Credits)

This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services. FESHE Core Course.

Prerequisite – FT 101

High School Credit It Replaces - Elective

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FT 224 – Fire Protection Systems (3 College Credits)

This course provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers. FESHE Core Course.

Prerequisite - NONE

High School Credit It Replaces - Elective

FT 291 – Fire and Emergency Services Administration (3 College Credits)

This course introduces the student to the organization and management of a fire and emergency services department and the relationship of government agencies to the fire service. Emphasis is placed on fire and emergency service, ethics, and leadership from the perspective of the company officer. FESHE Non-Core Course.

Prerequisite – FT 101

High School Credit It Replaces - Elective

Geography (GEOG)

GEOG 103 – Physical Geography (3 College Credits)

Physical geography examines the spatial relationships between humans and the environment. A comprehensive and integrating science, physical geography allows the integration of earth systems such as weather, land formations, and earth patterns. Continuous integration of maps, atlases, internet, and geographic information system technology.

Prerequisite - NONE

High School Credit It Replaces - Science

GEOG 117 – Meteorology/Climatology (3 College Credits)

Studies the composition, structure, and dynamics of the Earth's atmosphere that influences global weather patterns. Meteorology defines weather concepts that provide the basis for forecasting, weather analysis and understanding atmospheric phenomena such as hurricanes, tornadoes, and extreme weather. Discussion on human impact of the atmosphere, ozone depletion, greenhouse effect and air pollution.

Prerequisite - NONE

High School Credit It Replaces - Elective

Math (MATH)

MATH 116 – Technical Mathematics (3 College Credits)

Concepts that will allow students to become proficient in the mathematics used in technical fields are the focal point of this course. Topics include fundamental operations with signed numbers; measurement systems; exponents; order of operations; scientific notation; algebraic expressions; linear equations and inequalities; an introduction to graphing; simple geometric figures, logarithms; and fundamentals of trigonometry. MATH 091 is strongly recommended prior to enrollment.

Prerequisite - NONE

High School Credit It Replaces - Elective

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MATH 120 - Fundamentals of College Mathematics (3 College Credits)

Topics include probability, statistics, geometry, and consumer mathematics. It may include problem solving, sets, logic, mathematical systems, numeration, and measurement. Course is broad in scope, emphasizing applications.

Prerequisite – Satisfactory ACT/SAT/Placement Test Score

High School Credit It Replaces – Mathematics (Cannot Replace Algebra 1 or Geometry)

MATH 122 – Number Concepts for Elementary School Teachers (3 College Credits)

Mathematics needed by those teaching the new-content curriculum at the elementary school level, emphasizing number concepts. This course does not satisfy the general education core requirements.

Prerequisite – Satisfactory ACT/SAT/Placement Test Score

High School Credit It Replaces - Elective

MATH 126 – Precalculus I (3 College Credits)

A rigorous discussion of algebra concepts necessary for calculus is the focal point of this course. Topics include an in-depth investigation of algebraic functions and their graphs and solutions of systems of equations.

Prerequisite – Satisfactory ACT/SAT/Placement Test Score

High School Credit It Replaces – Mathematics (Cannot Replace Algebra 1 or Geometry Does count towards Millennium Scholarship and Advanced Diploma)

MATH 127 – Precalculus II (3 College Credits)

Topics include an in-depth investigation of trigonometric functions and their graphs, analytic trigonometry, solutions of triangles, vectors, and analytic geometry.

Prerequisite – MATH 126

High School Credit It Replaces – Mathematics (Cannot Replace Algebra 1 or Geometry Does count towards Millennium Scholarship and Advanced Diploma)

Philosophy (PHIL)

PHIL 101 – Introduction to Philosophy (3 College Credits)

A study of philosophy as an interpretation of human experience and an examination of concepts and assumptions fundamental in human thought.

Prerequisite - NONE

High School Credit It Replaces - Elective

PHIL 102 – Critical Thinking and Reasoning (3 College Credits)

Introduction to the analysis and evaluation of actual arguments, to the practice of constructing logically sound arguments, and to logic as the theory of argument.

Emphasizes arguments of current or general interest.

Prerequisite - NONE

High School Credit It Replaces - Elective

Political Science (PSC)

PSC 101 – Introduction to American Politics (4 College Credits)

A survey of the United States, national, state, and local governments with emphasis on the cultural aspects of the governing process. (Satisfies the legislative requirement for the United States and Nevada Constitutions.)

Prerequisite - NONE

Real Estate (RE)

RE 101 - Real Estate Principles (3 College Credits)

A course that covers most subjects required for successful passing of the state real estate exam. Satisfies requirements of the Nevada State Real Estate Commission Salesman's exam.

Prerequisite - NONE

High School Credit It Replaces - Elective

RE 103 – Real Estate Law and Practice (3 College Credits)

A law course specifically designed for the field of real estate including agency, contracts, deeds, instruments, easements, estates in land, zoning, restrictions, tenancy, liens, foreclosures, transfers of title, leases, and court decisions. One of two courses required by the Nevada Real Estate Commission to take the Salesperson's License exam.

Prerequisite - NONE

High School Credit It Replaces – Elective

Sociology (SOC)

SOC 101 – Principles of Sociology (3 College Credits)

An overview of the sociological principles that shape the development, structure and function of societies, cultures, human interactions, groups, self-image, and social change.

Prerequisite - NONE

High School Credit It Replaces - Humanities

SOC 102 – Contemporary Social Issues

An examination of selected social issues and problems, their causes, and proposed solutions.

Prerequisite - NONE

High School Credit It Replaces – Humanities

Statistics (STAT)

STAT 152 – Introduction to Statistics (3 College Credits)

Basic probability and statistical methods with applications (possibly with computers and the internet); correlation, descriptive statistics, experiments, graphical presentation of data, hypothesis and significance testing, linear regression, point and interval estimation, sampling, and/or other related and special topics.

Prerequisite – MATH 126; or Satisfactory ACT/SAT/Placement Test score

High School Credit It Replaces - Mathematics

Women's Studies (WMST)

WMST 113 – Gender, Race, and Class (3 College Credits)

Interdisciplinary, cross-cultural survey of the ways in which gender interacts with race, age, class, and sexuality to shape human consciousness and determine the social organization of human society.

Prerequisite - NONE

High School Credit It Replaces - Elective