# Western Nevada College

Western Nevada College

## 2026-2027 Catalog

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# General Information

## Welcome to Western Nevada College (WNC), where educational excellence meets community engagement. Explore our comprehensive catalog to discover everything you need to know about our institution.

**Message from the President**

Read a heartfelt message from our President, Dr. J. Kyle Dalpe, Ph.D., outlining our commitment to fostering student success and community partnership.

**Mission & Themes**

Discover our mission to provide accessible, high-quality education that empowers students to achieve their academic and career goals. Explore our thematic pillars guiding our educational initiatives.

**Principles of Community**

Explore our shared principles that promote diversity, inclusion, and respect within our campus community.

**Board of Regents**

Learn about the governance and leadership overseeing Western Nevada College's strategic direction and academic policies.

**Accreditation**

Understand our commitment to academic quality and standards through accreditation by recognized bodies.

**Locations and Contacts**

Find information on our various campus locations and contact details to connect with our staff and faculty.

**FERPA**

Explore how we protect student privacy and rights under the Family Educational Rights and Privacy Act (FERPA).

**Student Code of Conduct**

Review our guidelines and expectations for student behavior and responsibilities within the WNC community.

**Title IX**

Learn about our commitment to providing a safe and inclusive environment, ensuring compliance with Title IX regulations.

**State Authorization Reciprocity**

Understand our participation in the State Authorization Reciprocity Agreement (SARA), ensuring regulatory compliance for offering online education to students across state lines.

General Information

# Message from the President

## President J. Kyle Dalpe, Ph.D.

On behalf of the Western Nevada College family, it is my pleasure to welcome you to WNC!

For over 50 years, WNC has been a cornerstone of our communities, contributing to the economic well-being and personal growth of the areas we serve. Our deep roots in Carson City, along with our expansions in Fallon in 1981 and Douglas County in 1997, reflect our commitment to helping students achieve their educational goals and dreams.

At WNC, we take pride in our rigorous academic standards, small class sizes, and personalized instruction provided by some of the best faculty in Nevada. Our goal is not only to ensure student success in the classroom but also to foster the development of well-rounded individuals who are prepared to excel in their fields and serve as leaders in their communities.

We are excited to support you on your educational journey!

**J. Kyle Dalpe, Ph.D.**
*President*

General Information

# Mission & Themes

## *Mission and Themes*

***Our Vision***
WNC embraces a future of greater opportunity, where learners can thrive across changing educational, geographic, technological, and economic landscapes.

***Our Mission***
WNC is a gateway to learning and opportunity: accessible to all, adaptable to change, and dedicated to supporting every learner.

***Core Themes***
Centering our core themes on the educational pathways we provide builds a framework focused directly on our students and their achievements. Transfer education and professional education pathways serve our students and the communities in which they live by advancing career opportunities and imparting skills to successfully navigate our increasingly complex and connected world. Lifelong learning is both a product of and a purpose for a community college, recognizing that educational opportunities outside of formal degree paths drive innovation and access for all populations of learners.

***Transfer Education***

Degrees that may be transferred to four-year institutions and applied toward the completion of a bachelor's degree:
Associate of Arts (AA)
Associate of Science (AS)
Associate of Business (AB) degrees

***Professional Education***

Professional Certificate programs that prepare students to enter the workforce or advance their careers:
Associate of Applied Science (AAS)
Bachelor of Applied Science (BAS)

***Lifelong Learning***

Continuing education or credit courses taken for personal enrichment, professional development, or skill enhancement.

General Information

# Principles of Community

## Principles of Community

Department: President's Office

Statement:
As members of the WNC community, we embrace an academic environment dedicated to fostering personal and professional integrity, civility, and acceptance. We are committed to lives of personal integrity and academic excellence. We will support responsible actions that lead to productive work, personal growth, and meaningful citizenship in an interconnected world.

We pledge to treat each other with civility. Recognizing there will be differences of opinion, we will engage in respectful dialogue, valuing freedom of expression and association.

We celebrate diversity. We encourage understanding and mutual respect among individuals of all cultures, orientations, and backgrounds within our safe and supportive educational community.

General Information

# Board of Regents

## Board of Regents

Western Nevada College is part of the Nevada System of Higher Education (NSHE).

NSHE is and governed by individuals elected to the NSHE Board of Regents
(https://nshe.nevada.edu/regents/current-regents/).

## Board of Regents

- CHAIR, STEPHANIE GOODMAN
- VICE CHAIR, CAROL DEL CARLO
- JOSEPH C. ARRASCADA
- AARON BAUTISTA
- PATRICK J. BOYLAN
- SUSAN BRAGER
- BYRON BROOKS
- HEATHER BROWN
- AMY J. CARVALHO
- JEFFREY S. DOWNS, PH.D.
- CARLOS D. FERNANDEZ
- PETE GOICOECHEA
- JENNIFER J. MCGRATH

Additional information about the Nevada System of Higher Education can be found at: **https://nshe.nevada.edu/**.

General Information

# Accreditation

## Western Nevada College is accredited by the Northwest Commission on Colleges and Universities

Accreditation of an institution of higher education by the Northwest Commission on Colleges and Universities indicates that it meets or exceeds criteria for the assessment of institutional quality evaluated through a peer review process. An accredited college or university is one that has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the Northwest Commission on Colleges and Universities is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

General Information

# Locations and Contacts

## Western Nevada College

**Carson City Campus**
2201 West College Parkway, Carson City, NV 89703
info_desk@wnc.edu
775-445-3000

**Fallon Campus**
160 Campus Way, Fallon, NV 89406
info_desk@wnc.edu
775-445-3379

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## College Directory

The Campus Directory provides information about Western Nevada College's faculty and staff. The purpose is to provide an easy to use, quick and "paperless" method of searching for people on campus.

**College Directory**

## Campus Tours

We love our campuses and would love to show you around. We offer easy-to-schedule campus tours for Carson City and Fallon campuses. Call to schedule a personalized tour, or start a virtual tour immediately.

**Take Virtual Tour**

**To learn more about campus tours contact:**

**Fallon: Desirae Blunt-Lamkey (775) 445-3382**
**Carson City: Heather Rikalo (775) 445-3241**

Please note: All WNC campus and center buildings are non-smoking. For classes held at public schools and most other government buildings, the entire campus is non-smoking.

## Carson City Campus Maps

- **Cedar Building Room Number Map [PDF]**
- **Bristlecone Room Number Map [PDF]**
- **Aspen Building Room Map [PDF]**
- **Reynolds Building Room Number Map [PDF]**
- **Joe Dini Jr. Library Room Number Map [PDF]**
- **Carson City Campus Map [PDF]**

## Douglas Campus Map

- **Douglas Campus Map [PDF]**

## Fallon Campus Maps

- **Fallon Campus Map [PDF]**
- **Virgil Getto Hall [PDF]**

General Information

# FERPA

## FERPA

In accordance with institutional policy and the U.S. Family Education Rights and Privacy Act of 1974 (FERPA), Western Nevada College vigorously protects the privacy of student educational records. FERPA was enacted to protect the privacy of educational records and to provide guidelines for the correction of inaccurate or misleading data.

No one shall have access to, nor will WNC disclose any non-directory information from a students educational records without the written consent of the student except to:

1. School officials including college staff, student employees, volunteers, contractors, consultants, etc. performing an assigned college function,
2. Officials of other institutions in which the student seeks to enroll,
3. Authorized representatives from federal and state agencies,
4. Accrediting agencies carrying out their accreditation functions,
5. Military recruiters as specified in the Soloman Amendment,
6. A student serving on an official committee such as a disciplinary or grievance committee,
7. Persons in compliance with a judicial order,
8. Officials providing student financial aid,
9. The audit firm retained by the Nevada System of Higher Education,
10. The data warehouse for NSHE or designated institutional research personnel,
11. A person or company with whom the institution has contracted as its agent to provide a service instead of using institutional employees or officials (such as an attorney, auditor, or collection agent), and l) Persons in an emergency to protect the health/and/or safety of students, or other persons.

WNC does not release information to parents of students regardless of dependence status without prior written consent of the student. A student is defined as an individual who has applied to WNC and who is or has been in attendance at WNC.

The institution does not release the records of individual students, such as grades and class schedules, without prior written consent of the student.

As permitted under federal law, an exception to the above practice is the release of directory information considered to be public in nature and not general deemed to be an invasion of privacy.

**At Western Nevada College, the following categories are defined as directory information:** student name, address including city and state, telephone number, Email address, full-time/part-time status, graduation date, major/field of study, degrees, honors and awards received, dates of attendance and whether currently enrolled, most recent educational agency or institutions attended, weight and height of members of athletic teams, and photographs from college sanctioned events.

Students have the right to request non-disclosure of directory information. If they do not restrict release of this information, the information may be released or disclosed. WNC assumes that failure to specifically request the withholding of directory information indicates individual approval for disclosure. Directory information may be provided for commercial purposes to businesses affiliated with the institution, honor societies, the alumni association and foundation, or other individuals for purposes that may be beneficial to students. WNC exercises discretion in responding to requests for directory information and may or may not provide such information when requested, depending on the intended purpose of the request. The institution does not sell or rent student information for a fee.

It is important for students to consider carefully the potential consequences of restricting the release of directory information. If a student restricts release for non-commercial purpose, the institution will be unable to place the students name in publications such as honors and graduation programs; to confirm graduation and dates of attendance to potential employers, to verify enrollment with organizations such as insurance companies; or to send notifications about specialized scholarships without the express written authorization of the student.

If, after due consideration, a student wishes to restrict the release of directory information, he/she may request this through myWNC or submit a Request for Confidential Status of Directory Information form and submit to Admissions and Records. A request for non-disclosure submitted to WNC or any NSHE institution will apply to all NSHE institutions. This directive will apply permanently to a students record, even after graduation, until the student reverses it by submitting a written authorization to Admissions and Records or changing the restriction in myWNC.

**FERPA provides a student with the following rights:**

1) The right to inspect and review information in his/her education records within 45 days of the day the institution receives a request for access.

WNC is not required to provide copies of such records to students

2) The right to seek to amend education records that the student believes to be inaccurate, misleading, or otherwise in violation of the students privacy rights under FERPA.

If a student disagrees with some information in his/her educational records, he/she may challenge that information. If the situation is not resolved to the students satisfaction, the student may request a hearing. Contact Admissions and Records for additional information.

3) The right to provide written consent before the institution discloses personally identifiable information from the students educational records, except to the extent that FERPA authorizes disclosure without consent.

**Request for Non-Disclosure of Directory Information**

**WNC Protects Student Privacy**

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects student privacy. Personally identifiable information is not released without student consent and signature. To review or pick up academic records in person, a valid government or WNC issued photo ID that includes signature is mandatory. The colleges registration system requires students to create a password to access their WNC account. The password is considered the equivalent of a signature.

General Information

# Student Code of Conduct

## Student Code of Conduct

Student Code of Conduct

Policy 3-4-4

Western Nevada College hereby adopts Board of Regents Handbook, Title 2, Chapter 10 as its policy governing the rules of conduct and procedures for students and any amendments to that chapter as may be adopted by the Board of Regents from time to time, along with the qualifications to the chapter set forth below.

System, as that term is used in Title 2, Chapter 10, shall mean Western Nevada College.

Student conduct officer or coordinator shall mean the WNC Dean of Students or an alternate student conduct officer or coordinator appointed by the president.

Student conduct hearing board shall mean the Academic Standards and Student Conduct Committee or another committee appointed by the president.

Hearing officer shall mean a member of the Academic Standards and Student Conduct Committee or another person appointed by the president.

This policy is amended as follows: The Academic Standards and Student Conduct Committees determination shall be in the form of a recommendation to the Vice President for Academic and Student Affairs, who will review the recommendation along with any evidence presented at the hearing, and issue a decision. The decision of the Vice President for Academic and Student Affairs may be appealed to the President.

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|---|---|
| **References**<br>**Please note: that not all WNC Policies will be referenced in these documents.* | **WNC ByLaws**<br>**NSHE Board of Regents Handbook**<br>**Nevada Revised Statutes (NRS)**<br>**Nevada Administrative Code (NAC)** |

General Information

# Title IX

## Anti-Discrimination Statement

The Nevada System of Higher Education is guided by the principle that there shall be no difference in the treatment of persons because of race, religion, color, age, sex (including a pregnancy related condition), sexual orientation, military status or military obligations, disability (whether actual or perceived by others to have a disability including veterans with service connected disabilities, or national origin, and that equal opportunity and access to facilities shall be available to all. This extends to individuals who experience discrimination (including antisemitism) based on their actual or perceived: (i) shared ancestry or ethnic characteristics; or (ii) citizenship or residency in a country with a dominant religion or distinct religious identity. Similarly, there shall be no difference in the treatment of persons who file charges of discrimination or harassment, participate in a discrimination or harassment proceeding, or otherwise oppose discrimination or harassment. This principle is applicable to every member of the Nevada System of Higher Education community, both students and employed personnel at every level, and to all units, facilities, and services of the Nevada System of Higher Education.

Western Nevada College (WNC) and the Nevada System of Higher Education (NSHE) are committed to providing a place of work and learning free of discrimination on the basis of a person's age (40 or older), disability, whether actual or perceived by others (including service-connected disabilities), sex (including pregnancy or related conditions), military status or military obligations, sexual orientation, gender identity or expression, genetic information, national origin, race (including hair texture and protective hairstyles such as natural hairstyles, afros, bantu knots, curls, braids, locks and twists), color, or religion. Discrimination on the basis of a protected class, including unlawful harassment, which is a form of discrimination, is illegal under federal and state law. Where unlawful discrimination is found to have occurred, WNC will act to stop the unlawful discrimination, to prevent its recurrence, to remedy its effects, and to discipline those responsible.

(B/R 8/24)

WNC does not discriminate on the basis of sex in any education program or activity that it operates. Non-discrimination on the basis of sex is mandated by Title IX of the Education Amendments of 1972 (20 U.S.C. 1681 et seq.) and the corresponding implementation regulations (34 C.F.R. Part 106). The college's commitment to nondiscrimination in its education programs and activities extends to applicants for admission and employment.

Inquiries concerning the application of these provisions and/or questions as to how to file a complaint of unlawful discrimination and harassment may be referred to WNC's Title IX Coordinator:

Melody Duley at **TitleIX@wnc.edu** or (775) 445-4235
Western Nevada College
2201 West College Parkway
Bristlecone Building, Room 157
Carson City, NV 89703

AND/OR the **U.S. Department of Education**, Office of Civil Rights, 1-800-421-3481.

For more information, visit the **Equal Opportunity & Title IX page**.

(Rev. 10/24)

## Policy Against Unlawful Discrimination and Harassment

To ensure compliance with Title IX and other federal and state civil rights laws, Western Nevada College hereby adopts the policy found in the Board of Regents Handbook, **Title 4, Chapter 8, Section 14** as its non-discrimination policy prohibiting unlawful discrimination by employees, students, or third parties.

Information pertaining to the college's grievance procedures and grievance process, including how to report or file a complaint of unlawful discrimination, how to report or file a formal complaint of sexual harassment, and how the college will respond can be found in the Board of Regents Handbook, **Title 4, Chapter 8, Section 14.**

## Title IX Training

Title IX training, including the prevention of sex discrimination, sexual harassment, and sexual assault, is required of all WNC employees every two years and is offered to WNC students each fall and spring semester.

Employees may contact Human Resources (**humanresources@wnc.edu**) for more information. Title IX training for students is offered to students through an online training platform.

Students are not required to complete the training, but doing so is the best way for students to understand their rights and responsibilities under Title IX. Students may contact Heather Rikalo (**Heather.Rikalo@wnc.edu**) to request the training.

## Title IX Coordinator

### Melody Duley

| | |
|---|---|
| **Title** | Chief HR Officer \| Chief of Staff \| Title IX Coordinator |
| **Department** | Western Nevada College |
| **Email** | **melody.duley@wnc.edu** |
| **Phone** | 775-445-4235 |
| **Office** | Carson City Bristlecone Building, Room 157 |

## Title IX Officials With Authority (OWAs) - Obligated Reporters

OWAs at WNC include the Title IX Coordinator and any official of the institution who has authority to institute corrective measures on behalf of the institution. When a complainant or other person reports an incident of unlawful discrimination or harassment to an OWA, they have the right to expect the institution to take prompt and appropriate steps to investigate what happened and to resolve the matter promptly and equitably.

OWAs must report to the Title IX Coordinator all relevant details about the alleged unlawful discrimination or harassment shared by the reporting individual and that the institution will need to determine what happened including the name(s) of the complainant, respondent(s) and any witnesses, and any other relevant facts, including the date, time and specific location of the alleged incident. To the extent possible, information reported to an OWA will be shared only with people responsible for handling the institution's response to the report.

The following individuals are OWAs at WNC:

### Melody Duley

| | |
|---|---|
| **Title** | Chief HR Officer \| Chief of Staff \| Title IX Coordinator |
| **Department** | Western Nevada College |
| **Email** | **melody.duley@wnc.edu** |
| **Phone** | 775-445-4235 |
| **Office** | Carson City Bristlecone Building Room 157 |

### Kyle Dalpe

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|---|---|
| **Title** | President, WNC |
| **Email** | **kyle.dalpe@wnc.edu** |
| **Phone** | 775-445-4431 |
| **Office** | Carson City Bristlecone Building  Room 165 |

### Heather Rikalo

| | |
|---|---|
| **Title** | Student Life Coordinator and Assistant to the President |
| **Department** | President Office |
| **Email** | **heather.rikalo@wnc.edu** |
| **Phone** | 775-445-3241 |
| **Office** | Carson City Joe Dini Library and Student Center  Room 108 |

## Dana Ryan

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|---|---|
| **Title** | Vice President of Academic & Student Affairs |
| **Department** | Academic & Student Affairs |
| **Email** | **dana.ryan@wnc.edu** |
| **Phone** | 775-445-4454 |
| **Office** | Carson City Bristlecone Building  Room 165 |

## Coral Lopez

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|---|---|
| **Title** | Chief Financial Officer |
| **Department** | Western Nevada College |
| **Email** | **coral.lopez@wnc.edu** |
| **Phone** | 775-445-4230 |
| **Office** | Carson City Bristlecone Building Room 167B |

## Niki Gladys

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|---|---|
| **Title** | Chief Advancement Officer |
| **Department** | Advancement |
| **Email** | **niki.gladys@wnc.edu** |
| **Phone** | 775-445-3239 |
| **Office** | Carson City Bristlecone Building  Room 147 |

## Counselors - Confidential Resources

WNC Counselors are not required to report any information about an incident to the Title IX Coordinator without a complainant's permission. Visit the **Academic Advising and Access** page for contact information.

## Training Materials

Title IX Personnel and other faculty have completed the following training:

- **Title IX Coordinator Level 1**
- **Title IX Coordinator Level 2**
- **Title IX Investigator Level 1**
- **Title IX Investigator Level 2**
- **Title IX Investigator Level 3**
- **Title IX Hearing Officer & Decision Maker 2020**
- **Title IX Hearing Officer & Decisions Maker 2021**
- **Rationale Writing Workshop for Decisions Makers & Investigators**
- **Align Your Title IX Policy and Procedures to the New Law**
- **Review of the Title IX Coordinator Role**
- **The Hearing Process and Disciplinary Actions**
- **Ongoing Training Needs for Investigators and Decision Makers**
- **Officials with Authority and Responsible Employees: Helping Mandatory Reporters Comply with New Title IX Regulations** [Website]
- **Assessing Credibility in Title IX Cases** [Presentation]
- **Solutions for Managing Intake, Jurisdiction and Dismissal in the Title IX Grievance Process** [Website]
- **Investigation Report Writing** [Website]
- **Informal Resolution: Foundations** [Website]
- **Hearings and Sanctions** [Website]
- **Responding to Title IX Disclosures: Training for Faculty and Staff** [Website]
- **2023 Title IX Regulations Implementation for Higher Education Overview, Nuances & Best Practices** [Website]
- **5 Essentials to Title IX Investigations** [Website]
- **Mitigating and Responding to Bias in Your Title IX Process** [Website]
- **Conducting Trauma-Informed Investigations for Sexual Misconduct Cases** [Website]
- **Overcoming Bias in Your Title IX Investigative Process** [Website]

## ADA 504 Coordinators

### Susan Trist, Coordinator for Students

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|---|---|
| **Title** | Disability Support Services Director |
| **Department** | Western Nevada College |
| **Email** | **susan.trist@wnc.edu** |
| **Phone** | 775-445-4459 |
| **Office** | Carson City Cedar Building Room 208 |

### Melody Duley, Coordinator for Employees

| | |
|---|---|
| **Title** | Chief HR Officer \| Chief of Staff \| Title IX Coordinator |
| **Department** | Western Nevada College |
| **Email** | **melody.duley@wnc.edu** |
| **Phone** | 775-445-4235 |
| **Office** | Carson City Bristlecone Building Room 157 |

### Jeffrey Erickson, Coordinator for College Facilities

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|---|---|
| **Title** | Interim Director of Facilities, Planning & Construction |
| **Department** | Western Nevada College |
| **Email** | **jeffrey.erickson@wnc.edu** |
| **Phone** | 775-445-4259 |
| **Office** | Carson City Bristlecone Building Room 120 |

## Additional Resources

- **WNC Human Resources Office**
- **U.S. Department of Education**, Office of Civil Rights

General Information

# State Authorization Reciprocity

## WNC State Authorization Reciprocity for Distance Education

The Nevada System of Higher Education (NSHE) Board of Regents Specifies the constitutional authority under which it was created in Article 1 Section 1, and the institutions under NSHE include Western Nevada College (WNC). The **entire NSHE handbook is available online**.

**View State Requirements on the WNC website**

WNC is a degree-granting institution that is accredited by the Northwest Commission on Colleges and Universities (NWCCU), which is recognized by the U.S. Secretary of Education. Furthermore, the state of Nevada is a member of the State Authorization Reciprocity Agreement (SARA) and Western Nevada College is an approved SARA institution. SARA is an agreement that establishes a common set of standards for offering post-secondary distance education among member states. **Learn more about SARA and the benefits to students**.

Pursuant to the United States Department of Education (USDOE) State Authorization Regulations, the following information is provided to all current and prospective students.

## The Complaint Process:

Western Nevada College aims to resolve all student complaints in an expedient and fair manner. Students wishing to file a complaint with online learning, must file initially with WNC.

WNC is committed to excellence. In an effort to better understand potential obstacles at WNC, we have provided this form to be utilized by students, faculty or visitors.

Please click the links below to file a complaint with the appropriate departments regarding:

**Title IX**
**Grade Disputes**
**Student Conduct**
**Academic Misconduct**
**ADA Concerns**

**SARA Complaint Form**

If a student does not feel their online learning complaint is properly resolved by WNC, they can file a complaint with **Nevadas SARA Portal Entity, the Nevada System of Higher Education (NSHE)**.

### Definitions

**Complainant**: The Student filing a complaint according to this policy.

**Director**: A unit director or supervisor who is authorized to investigate a complaint.

**Respondent**: The individual against whom a complaint is filed, or a designated representative of a unit or department against whom a complaint is filed.

**State Authorization Reciprocity Agreement (SARA)**: An agreement among member states (including Nevada) establishing comparable national standards for postsecondary distance education.

**Student**: An individual (or their legal guardian, if the individual is under age 18 or is otherwise under the care of a legal guardian) who is currently enrolled (full- or part-time), or who was enrolled at the time the events or circumstances underlying the complaint first occurred.

**Working Day**: For the purposes of the Student Complaint Policy, a Working Day is Monday through Friday when college classes are scheduled and in session.

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### Deceptive Trade Practices and Acts of Fraud Prohibited

Deceptive trade practices and other acts of fraud are prohibited including, but not limited to the following:

1. To intentionally and materially represent falsely, directly or by implication any statement or representation, oral, written, or visual, in connection with the offering of educational services, including but not limited to statements or representations relating to recruitment and marketing information; tuition, fees and other charges; and admissions information;

2. To adopt a name, trade name, or trademark that represents falsely, directly or by implication, the quality, scope, nature, size, or integrity of the institution or its educational services;

3. To represent, directly or by implication, that students who successfully complete a course or program of instruction may transfer the credits earned to any institution of higher education;

4. To intentionally and materially represent falsely, directly or by implication, in its advertising or promotional materials or in any other manner, the size, location, facilities, or equipment of the institution; the number or educational experience qualifications of its faculty; the extent or nature of any approval received from any state agency; or the extent or nature of any accreditation received from any accrediting agency or association; or

5. To provide prospective students with testimonials, endorsements, or other information that materially misleads or deceives prospective students or the public regarding current practices of the institution.

**Nevada State SARA Portal**

Terina Caserto
Senior Analyst, Academic and Student Affairs
**tcaserto@nshe.nevada.edu**
Phone: (775) 784-3442
Nevada System of Higher Education
2601 Enterprise Rd
Reno, NV 89512

The contact information for WNCs accrediting body can be found here: **NWCCU**.

# Admission Information

WNC has varying admissions criteria that allows any adult who can benefit from instruction at the college to enroll. WNC does not require new students to provide transcripts of previous educational experiences. General admission, however, does not necessarily guarantee admission into specific programs or classes.

Any adult may enroll as a non-degree seeking student.

WNC has admissions criteria for students who declare their education objective to seek a degree or certificate of achievement. Students who have graduated from high school or have obtained a high school equivalency diploma such as the GED, HISET or TASC will satisfy admissions requirements.

Students may be admitted as degree/certificate seeking under alternate criteria by satisfying one of the providing criteria:

1. Provide evidence of placement test scores at levels that demonstrate college readiness; or
2. Provide official transcripts from a regionally accredited institution demonstrating successful completion of six college units in English, math, or other general education course, or take the equivalent at WNC.

All new degree or certificate seeking students who have never attended any college will be required to attend a new student orientation session, take placement tests, and meet with a counselor before enrolling for classes. For information regarding academic programs or classes, contact a counselor or the appropriate academic division.

Any student who has not taken a credit class in the last two years will need to submit an application for admission prior to registering for a class. Please allow 1-3 business days for the application to be processed. Students will receive emails with their student ID number and password to login to **myWNC**. Students who do not receive emails within five business days should not apply again. Please contact Admissions and Records.

If assistance is needed, contact Admissions and Records at 775-445-3277, or e-mail **admissions.records@wnc.edu**.

***New Students***

All new students who apply for admission are assessed a one-time $15 application fee when they register for their first credit/unit class. This fee is not deferrable or refundable, even if the courses are full, dropped, or canceled.

New students are advised to read the WNC catalog and schedule to become familiar with programs, services, policies, procedures, and deadline information. New students are also encouraged to take placement exams, attend a new student orientation and meet with a counselor for academic planning. Further information can be found on the New Student Checklist.

# Early Admission and High School Students

**Jump Start College**

Jump Start College is a partnership between Western Nevada College and 13 western Nevada high schools. It offers high-achieving junior and senior students the opportunity to earn up to 60 college credits prior to their high school graduation.

**Enrollment for High School Students**

High school freshmen, sophomores, juniors and seniors may enroll with consent from an official at their high school who can verify the student is in good standing. High school students are required to submit a high school authorization form each academic year prior to registering. A parental signature is required on the form. To help ensure high school students are ready for the academic rigor of college, a WNC Counselor must approve all high school students for enrollment. A student's high school academic performance, test scores, WNC courses the student plans to take, and the recommendation of a high school official are some of the factors that may be used to determine approval.

High School students who have been officially excused from compulsory school attendance on the condition of equivalent instruction outside of the schools (home school students) may be approved on a case-by-case basis for enrollment if the student is a high school junior or senior, or if deemed academically talented if the student is a high school freshman or sophomore.

Students below the age of 14 will need to submit an official middle school or high school transcript to verify they are a high school freshman or higher grade level. Permission from the instructor of each class the student wishes to enroll in must be obtained. Approval by a WNC Counselor and by the Director of Admissions and Records or her/his designee must also be granted. Students must submit an Enrollment Request form to enroll.

Students below the high school freshman level may enroll in some non-credit continuing education classes.

# International Students

International students enjoy affordable quality education at WNC. Persons wishing to apply for an F-1 Student Visa, either as an initial applicant or as a change to their existing visa status, must apply with Admissions and Records for an I-20 Certificate of Eligibility. International student application packets and a complete list of admission requirements are available in Admissions and Records. Applicants for the I-20 Certificate must complete and file all required documentation with Admissions and Records at least 16 weeks prior to the beginning of the semester in which they intend to begin their study. Students who have submitted all required documentation and have been approved will be issued the I-20 document with which they may then apply for a Student Visa.

To enroll for classes, approved international students must report to Admissions and Records with a current passport, visa, I-94 (port of entry document) and the I-20. Students must meet with an academic advisor and may be required to take English and math placement tests before registering. Based on test results, the student may be required to take additional related courses.

WNC is authorized under federal law to enroll nonimmigrant alien students. Enrollment limitations differ with respect to the type of visa a student holds. It is the student's responsibility to learn and adhere to United States Immigration regulations pertaining to particular visas.

Students holding F-1 visas must be aware of the following regulations:

1. Full-time enrollment is required for each semester during the student's entire program of study. At Western, 12 units constitutes full-time enrollment.
2. Financial obligations must be met in a timely manner.
3. Employment may not be accepted without prior authorization from Admissions and Records and the U.S. Citizenship and Immigration Service. Students on these visas, even when authorized, may not work more than 20 hours per week.
4. Address and phone number information must be kept current in **myWNC** and the U.S. Citizenship and Immigration Service.

Passports and I-20's must be kept current.

5. A tax return must be filed
6. The student must sign up and pay for an approved designated health insurance policy for the duration of enrollment.
7. It is the student's responsibility to contact Admissions and Records for detailed information regarding any and all of the above information.

# Readmission Policy

Western Nevada College has an open door admissions policy. Students who were previously admitted remain active in the system for two years past their last course registration. Students returning to school after a two year break can reapply and they will be readmitted with the same academic status. Click on "Apply" at the top of any page on the website page and fill out the admissions application.

Service members returning to school after a service-related absence over two years should reapply and will be readmitted with the same academic status. Service members are also encouraged to contact the Veterans Resource Center for additional support and assistance. 775-445-3301

Admissions & Records

# Student Record Information

## Transcripts

Admissions and Records will accept only official transcripts from other colleges, universities, high schools, and educational testing sources; unofficial copies will not be accepted. A transcript must be sent directly to Admissions and Records by mail or electronically from the applicable institution to be considered official; faxed copies will not be accepted. A transcript that is hand carried in a sealed envelope to Admissions and Records that was mailed to the student directly from the applicable institution may be accepted as official provided the envelope has not been opened.

# Official Transcripts

All students may order official transcripts through the National Student Clearinghouse for $5.10 per transcript plus a $2.90 handling fee per address. Transcripts may be sent as an electronic PDF for an additional 50 cents. A credit card and email address is required. To order a transcript through the National Student Clearinghouse, click on the following link:

***Request Transcripts***

Transcripts sent to institutions within the Nevada System of Higher Education (NSHE) will be sent to the Admissions and Records/Registrars office at no cost to the student, NSHE Institutions that qualify for free delivery include:

- College of Southern Nevada (CSN)
- Great Basin College (GBC)
- Nevada State College (NSC)
- Truckee Meadows Community College (TMCC)
- University of Nevada, Las Vegas (UNLV)
- University of Nevada, Reno (UNR)

Please note: To qualify for free delivery, students must check the box yes during the ordering process when asked, Are you sending your transcript only to an NSHE (Nevada) school? Students who neglect to check this box and are charged will not receive a refund. Students who wish to have their transcript mailed to a specific department (other than Admissions and Records/Registrars office) at an NSHE institution are not eligible for free delivery.

The processing time for official transcripts is approximately three to five business days. During peak periods such as registration and final examinations there may be some delay. Official transcripts cannot be issued until holds preventing release of transcripts are removed, including payment of all debts to any Nevada System of Higher Education institution.

Students will receive an email from the National Student Clearinghouse confirming receipt of a transcript order, and another email confirming that the transcript has been sent or is ready for pick-up.

Transcripts ordered for pick-up will be available in Admissions and Records in Carson City. When ordering through the National Student Clearinghouse, students may request that another person may pick up a transcript under processing option, Special Instructions. **All individuals must have a government issued or WNC issued student photo ID to pick up a transcript.**

# Unofficial Transcripts

Current students or any student with an active myWNC account may access an unofficial transcript free of charge through myWNC.

# High School Transcripts

Credit from high school courses are not applicable towards a degree or certificate of achievement.

High school transcripts from a home school must clearly display the following information:

1. Students name (first, middle, last) and date of birth
2. For each course completed, the following must be listed:
    - Specific course title
    - Units or credits for each

    - Time frame or semester in which it was completed
    - Grade received
3. Description of grading system used such a grade scale or grade key
4. Cumulative credits/units earned and grade point average
5. Graduation date (month/day/year) indicating completion of secondary school or high school education
6. The following statement, or one very similar, is to appear above the home school administrator/parent signature line:
    - I, the undersigned, do hereby self-certify and affirm that this is the official transcript and record of _(name of student) academic studies of (years attended home school).
7. Signature of school administrator/parent and date.

A copy of a Nevada Receipt of Notice of Intent to Home school or a letter from the applicable school board approving the student as home schooled must also be submitted in order for the transcript to be considered official.

## Release Of Transcripts From Other Institutions

When a transcript from another institution is received by Admissions and Records, the transcript becomes the official property of Western Nevada College. Admissions and Records does not release or provide copies of a students official transcript from another institution to third parties or to students.

Upon request, students may view their transcript from another institution and take notes in regards to classes, semester, and grades, but may not have a copy.

Exceptions to the policy are at the discretion of the registrar, and are granted only in extreme cases, such as:

1. The institution housing the original records has been destroyed and WNC has the only known existing transcript, or
2. International transcripts that the student is unable to obtain.

## Enrollment Status

**Full-time students** are defined as those who are enrolled in 12 or more credits/units (6 or more credits/units for summer);

**Three-quarter time students** are enrolled in 9-11 credits/units;

**Half-time students** are enrolled in 6-8 credits.

## Enrollment Verifications

The National Student Clearinghouse is the authorized agent for WNC for providing enrollment and degree verifications. Students may obtain enrollment verifications by accessing the Clearinghouse through wnc.edu/anywhere. Employers or background screening firms requesting enrollment and/or degree verifications may obtain a verification through the Clearinghouse at **www.degreeverify.com.**

## Course Withdrawal

Classes dropped after the 100 percent refund period that are not “even exchanged” will remain on a student transcript with a grade of “W”.

## Student Responsibility

Students are encouraged to read the college catalog and schedule for important policy, procedure, and deadline information. Students are required to add and drop courses through myWNC, ensure they have fulfilled all course prerequisites, verify the accuracy of their enrollment, keep their address, phone number and email address current in myWNC, and pay for classes by the published deadline. Unpaid students may be removed from class rosters throughout the semester and will not receive a final grade or credits regardless of attendance and completion of course work.

## Storage of Student Records

The policy for retention of records is outlined in Title IV, Chapter 1, of the Board of Regents Handbook.

WNC follows the Nevada System of Higher Education's **Record Retention Policy**.

Educational records are kept by Admissions and Records permanently:

- Final grade rosters and grade change forms
- Schedule of classes
- Files of student graduates

The following records are kept for a minimum of five years for students who attend WNC:

- Admission applications
- Incoming transcripts or other credit sources

- Personal identification data change forms
- Residency applications
- Enrollment forms

## Student Grades

Students may view their grades online at myWNC. Final grades are available no later than approximately two weeks after the end of the semester. Check the dates and deadlines page for more information.

The college does not send grade mailers; students may view grades through myWNC.

## Instructions for checking grades using myWNC

- Log in to your account through **myWNC** by entering your student ID number as your user name and password
- Click on the line in the center box, myWNC Student Information Center
- Click on Other Academic under the Academics section.
- Select Official Grades for final grades.

## Grading Scale:

**A** Superior 4.0
**A-** 3.7
**B+** 3.3
**B** Above Average 3.0
**B-** 2.7
**C+** 2.3
**C** Average 2.0
**C-** 1.7
**D+** 1.3
**D** Below Average 1.0
**D-** 0.7
**F** Failure 0.0
**P** Pass
**I** Incomplete
**R** Repeat
**AD** Audit
**W** Withdrawal
**S** Satisfactory
**U** Unsatisfactory

**The following grading policies apply to WNC:**

- It is at the discretion of individual faculty to use the Plus and Minus grading scale.
- All grades are awarded according to faculty members judgments. Students may repeat failed courses.
- **Withdrawal "W" Grade:** Withdrawal indicates the student withdrew from the course and did not complete it. Classes dropped after the 100 percent refund period that are not even exchanged will remain on a student transcript with a grade of W.
- The course syllabus shall contain a clear explanation of the grading scale to be used by the instructor. Students may not appeal the format an instructor chooses.
- **Incomplete "I" Grade**: An Incomplete grade may be given by the instructor when a **student has completed 75 % of the course with a grade of at least C**, but where there is some **verifiable, compelling reason for the lack of completion**. College regulations limit the amount of time the student has to make up assignments or examinations. **The I (Incomplete) must be made up within 120 days of the end of the semester**. **Failure to do so will result in the I grade being changed to an F.** A student seeking to complete the work for a course in which he/she received an Incomplete **must make arrangements with the instructor** who issued the incomplete grade. A grade change from the instructor is due to Admissions and Records within 120 days of the end of the applicable semester.
- **Satisfactory/Unsatisfactory S/U Grades:** Although most classes are set up for a letter grade (A,B,C,D,F), some classes are set up for a satisfactory/unsatisfactory grade. Students may not choose their grading option. S/U grades do not affect student grade point averages (GPAs). An S grade is considered passing, a U grade is not passing. Students will be able to utilize the repeat adjustment policy regardless of letter or S/U grade. *Contact Financial Aid for guidance related to Financial Aid & Veteran Benefits implications. 775-445-3264*

## Financial Aid, Scholarship and Veteran Benefit Implications

Students must maintain Satisfactory Academic Progress requirements for all federal, state, and institutional grant, work study and loan programs. S/U grades may impact Financial Aid Satisfactory Academic Progress GPA requirements. S grades will not have a positive or negative impact on the GPA calculation.

S/U grades are still considered attempted credits and will be used in the calculation towards the maximum units attempted. A U grade is not a passing grade and will affect Financial Aid Satisfactory Academic Progress semester and cumulative completion rate requirements.

S/U grades may affect Veteran Benefits GPA requirements.

S/U grades may affect the GPA and credit completion requirement for certain scholarships, including the Governor Guinn Millennium Scholarship and certain WNC Foundation Scholarships.

## Grade Appeal

A grade appeal is the process for students who believe the grade that they received for a course is incorrect.

**Policy 3-5-1: Grade Appeal**

**Section 1: Activation**

1. Prior to activation of the formal grade appeal process it is recommended that the student discuss his/her complaint with the faculty member who issued the grade to attempt an informal resolution.

**Section 2: Written Notice**

1. If the student cannot reach the faculty member or if a resolution is not reached, the student must file a written notice to appeal the grade with the appropriate Academic Director within 25 business days of the published date for grade to be posted for full-term classes, or within 25 business days after the last class date for short-term classes. The Director will determine if a meeting between the student and the faculty member is recommended and will set up such a meeting if warranted.

**Section 3: Unresolved Grade Appeal**

1. If the grade appeal is still unresolved, the student must submit details in writing to the Vice President of Academic and Student Affairs within 10 business days of the meeting with the Academic Director and faculty member or within 10 business days of written notice from the Academic Director that a meeting is not warranted.
2. The vice president in return will notify the faculty member, student, Academic Director and the Student Relations Officer by WNC email of the formal grade appeal.

**Section 4: Hearing Committee**

1. Within 25 business days of the notice of the formal grade appeal, the Student Relations Officer will arrange for a Student hearing Committee to meet to hear the grade appeal; every effort will be made to schedule the hearing as soon as possible. The Committee will consist of a minimum of two (2) faculty members and one student.
2. The faculty member and the student who is appealing his/her grade will be invited to present their case during the Student Hearing Committee meeting.
3. Hearings shall be recorded and maintained for a five-year time-period.

**Section 5: Final Action on Grade Appeal**

1. The written recommendation of the Student Hearing Committee will be forwarded to the Vice President for Academic and Student Affairs who will act on the grade appeal within 20 business days of being notified.

## Academic Probation

Degree/certificate seeking students who have a cumulative grade point average (GPA) less than a 2.0 are placed on academic probation and must meet with a WNC Counselor before they can enroll for classes. Students will continue to be an academic probation until their GPA reaches a 2.0 or higher.

## Repeat Adjustment Request

A student may repeat a course and have only the highest grade counted as part of his/her total grade point average; all grades will remain on the student transcript. Students will not receive duplicate credit for repeated courses unless the course is designated as repeatable for credit. Students may repeat courses provided they have fulfilled current course prerequisites and met criteria established for courses with selective readmissions criteria.

Students may petition to repeat up to 12 units with an adjustment to the previous grade(s). If approved, the original grade will be reflected as an “R” for repeat. The “R” will only be used as a replacement if the repeated course earns a grade higher than the grade originally earned. Repeat adjustment may not be applied to W or AD grades.

A repeat adjustment request must be submitted to Admissions and Records no later than four weeks past the published date on which grades are posted, for the semester in which the course was repeated.

If a student requests a repeat adjustment for a course that is designated as repeatable for credit, he/she will not receive additional units for the repeated course.

## Academic Renewal

Students may petition to have an entire semester of course work be disregarded in all calculations regarding academic standing and grade point average. Eligibility for academic renewal is subject to the following conditions:

1. At the time the petition is filed, at least one year must have elapsed since the most recent course work to be disregarded was completed.

2. In the interval between the completion of the most recent course work to be disregarded and the filing of the petition, students shall have completed at least 12 acceptable units of course work at a regionally accredited institution of higher education with a grade-point average of at least 2.5 on all work completed during that interval. Courses taken during the interval may be repeats of previously attempted college work.
3. The students filed petition must specify the semester to be disregarded. A semester with only W grades may not be considered for academic renewal.
4. Academic renewal can occur only once during a students academic career.
5. Academic renewal can only be applied prior to graduation from the first degree or certificate. Once a student graduates, academic renewal cannot be retroactively applied.

If the petition is approved under this policy, the students permanent academic record will be suitably marked to indicate that no work taken during the disregarded semester, even if satisfactory, may apply toward graduation requirements, and the grades will not be calculated into the students grade point average. However, all course work will remain on the academic record, ensuring a true and accurate academic history. The original grades earned will be calculated toward satisfactory academic progress for financial aid.

## Dean’s List

**Students are eligible for the Dean's List in the Fall and Spring semesters if:**

1. At least 12 credits have been completed during the semester with grades on the ABCD scale, and
2. The semester grade point average is 3.50 or higher.

**Students are eligible for the Dean's List in the Summer semester if:**

1. At least 6 credits have been completed during the semester with grades on the ABCD scale, and
2. The semester grade point average is 3.50 or higher.

## WNC Protects Student Privacy

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects student privacy. Personally identifiable information is not released without student consent and signature. To review or pick up academic records in person, a valid government or WNC issued photo ID that includes signature is mandatory. The colleges registration system requires students to create a password to access their WNC account. The password is considered the equivalent of a signature.

## Student Right to Inspect Records

Students have a right to:

- Inspect and review information in his/her education records,
- Seek to amend education records, and
- Have some control over the disclosure of information from education records.

WNC is not required to provide copies of such records to students.

If a student disagrees with some information in his/her educational records, he/she may challenge that information.

If the situation is not resolved to the student’s satisfaction, the student may request a hearing. If the student disagrees with the results of that hearing, he/she may submit explanation statements for inclusions in his/her file.

Contact Admissions and Records for additional information.

# Advising and Registration

Advising & Registration

## How to Schedule an Advisement Appointment

***WNC currently offers in-person and virtual (Zoom/Google Hangouts) appointments!***

Schedule now by callling:

- 775-445-3267 for the Carson City Campus
- 775-445-3379 for the Fallon Campus
  ***Please be prepared with your WNC student ID number.***

### Academic Advising and Access is here to help!

Students are highly encouraged to meet with an Academic Advisor on an ongoing basis. Advisors will assist students to stay on track with their academic plan.

WNC offers a variety of counseling services as an integral part of each students educational experience, including the following:

- Assist students in developing educational plans for certificate of achievement and degree programs
- Monitor students academic progress each semester by determining classes completed verses classes needed for program completion
- Link to **career resources**

- Provide information about **transferring** to other colleges
- Assist with personal counseling and resources
- Explain college policies and procedures
- Review **Financial Aid Appeal Form and Academic Plan**
- Review Excess Credit Fee Appeal Form
- Assist with completion of **Veterans Data Form** (required each semester)
- Encourage and support goal fulfillment

## Assist students in identifying and attaining their educational goals.

This includes:

- Explaining the mission of the college and the differences between the **degrees and certificates** the college offers.
- Helping the student assess which **degree or certificate** may be the most appropriate for them.
- Providing accurate information about degree requirements and course sequences of the curriculum.
- Assisting the student with course selection and/or registration.
- Monitoring a students academic progress and producing degree progress reports which allows the student to see which requirements have been met for the degree or certificate and which requirements still need to be completed.
- Assist with **transferring** to other academic institutions.
- Using career assessments to interpret potential career paths for the student.
- Help with locating occupational and/or career information.

## Maintain appropriate counseling approach and ethics.

This includes:

- Remaining aware of the advisors limitations and advising only about matters of which they have knowledge. If the advisor does not know the answer to a question or does not possess knowledge of the information a student is seeking, the advisor should find out the answer and follow-up with the student.
- Creating an atmosphere of openness and trust, remaining non-judgmental and maintaining confidentiality of shared information.
- Promptly returning student phone calls and email messages.
- Not making decisions for students. Advisors are not expected to and should not make decisions for students; instead, their role is to provide information, ask questions and listen to what the student wants and needs so the student can make the decision that is right for him/her.

## Orientation Information

All first-time degree and certificate seeking students must attend an orientation. The purpose of the Wildcat Welcome Orientation is to help students make a successful transition to the college environment and promote academic excellence as well as social interaction.

Orientation also provides pertinent information related to academic expectations, campus resources and services. Our orientation is designed to promote the completion of educational goals and student success.

To sign up for an upcoming orientation, please fill out our online sign up form at https://wnc.edu/advising.

For further questions, please contact Advising at 775-445-3267.

Advising & Registration

# Transfer Information

**Transfer to WNC**

Students declared as degree/certificate seeking may request to have transfer credits evaluated by submitting a **Petition for Transfer Credit Evaluation form** to Admissions and Records.

- **Students must also submit official transcripts or training records** and then allow up to **4-6 weeks** for the evaluation to be completed.
- **When completed, students will be able to view their transfer credit in myWNC** and can run a degree audit report to determine how transfer credits apply toward their intended degree or certificate program. An email will be sent to each student when the transfer evaluation is completed.
- In general, **only credits applicable to the students specified degree or certificate program listed on the Petition for Credit Evaluation form will be transferred to the students WNC record**. If a student later submits a Petition for Transfer Credit Evaluation form for a different degree or certificate, additional credits may be applied. Whatever credits were granted for the previous request will remain on a students record.

**Admissions and Records will accept only official transcripts** from other colleges, universities, high schools, and educational testing sources; unofficial copies will not be accepted.

- A transcript must be sent directly to Admissions and Records by mail or electronically from the applicable institution to be considered official
- faxed copies will not be accepted
- A transcript that is hand carried in a sealed envelope to Admissions and Records that was mailed to the student directly from the applicable institution may be accepted as official provided the envelope has not been opened.

**Regional Accreditation and Acceptance of Transfer Credits**

Credits earned in institutions of higher learning that are accredited by a Regional Accrediting Organization are normally transferable, provided the courses are comparable to those offered by WNC and are applicable towards degree requirements.

Regional Accrediting Organizations include:

- Accrediting Commission for Community and Junior Colleges (ACCJC) Western Association of Schools and Colleges
- Higher Learning Commission (HLC)
- New England Commission of Higher Education (NECHE)
- Northwest Commission on Colleges and Universities (NWCCU)
- Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)
- WASC Senior College and University Commission (WSCUC)

*Credits earned from schools that are not regionally accredited will be considered credit for prior learning.*

**Transfer Credit Evaluation**

- Only transfer credits that apply toward a requirement (including required electives) will be applied toward a degree or certificate.
- Credits earned in institutions of higher learning that are accredited by a Regional Accrediting Organization are normally transferable, provided the courses are comparable to those offered by WNC and are applicable towards degree requirements.
- Students must complete a minimum of 15 credits in residence at WNC that are applicable to the associate degree or certificate they are seeking (minimum of 30 credits for a bachelor's degree).
- The college will accept a maximum of 75 percent of the total credits for a degree or certificate of achievement.
- Grades are not transferable but may be utilized when determining eligibility for financial assistance and/or admission to special academic programs and to determine the minimum GPA required for graduation.
- Courses from NSHE institutions will be accepted for equivalent courses per common course numbering.
- NSHE courses with no equivalents and courses from other institutions will be evaluated on a case-by-case basis based on the course title, designator, credits, course numbering system used by the institution and course description if available. *Students may be asked to provide more information, such as a syllabus, to determine equivalency.*
- Upper division courses are generally not acceptable for general education requirements, but may apply towards emphasis requirements on a case by case basis.
- Graduate level courses are not accepted to fulfill degree and/or certificate requirements.
- WNC Faculty are consulted for input when needed to determine if a transfer course is equivalent to a WNC course and/or should fulfill a program requirement.

**Transfer Credit Appeals Process**

**If a student disagrees with a transfer credit evaluation**

- the student is encouraged to obtain and submit further written information about the course(s) in question such as a course outline or syllabus, and/or a course description if it was not originally available.

**If a student questions an evaluation from a non-traditional source**,

- the student is encouraged to obtain further written information about the training including number of hours of the training, information about the training source, accreditation, etc.

Admissions and Records will reconsider amending the original evaluation if such information is provided.

**If such information is not available, and/or if the student disagrees with the second evaluation**, **the student may file a Transfer Credit Evaluation Appeal.**

The Registrar will first view the appeal.

- **If the reason a course was not transferred in as requested is a result of a course not meeting policies** such as fulfilling the minimum number of credits required for a requirement, the course was developmental, the course was not completed at a regionally accredited institution, etc. the Registrar will make a final decision about course transferability.
- I**f the reason is not based on such a policy** then the appeal and all related information will be forwarded to the applicable department faculty and/or Division Director. The decision of the faculty/Division Director will be final.
- **If a request is denied**, the student will be given a reason for the denial via email.

**Students may request a review of a transfer credit evaluation by the NSHE Articulation Coordinating Committee if not satisfied with the final decision** from WNC by submitting a **Nevada System of Higher Education Transfer Credit Request for Review**.

**Credit for Prior Learning**

WNC recognizes that students accumulate a great deal of information and knowledge outside of the college environment from various training, non-traditional educational sources, and work experience. Therefore, WNC will consider awarding credit for prior experiential learning to students who have been accepted to the college and are declared as degree/certificate seeking.

- **Students may request to have non-traditional training and/or credits evaluated** by contacting Admissions and Records.
- S**tudents must submit official transcripts, training records, certificates or military forms** and then **allow 4 to 6 weeks** for the evaluation to be completed.
- **Once completed, students will be able to view their transfer credit in myWNC** and can run a degree audit report to determine how the transfer credits apply toward their intended degree or certificate program. An email will be sent to each student when the transfer evaluation is completed.

In general, only credits applicable to the students specified degree or certificate program will be transferred to the students WNC record.

- WNC follows the NSHE Board of Regents Handbook: Title 4, Chapter 14, Section 21. Credit for Prior Learning
- WNC Policy 3-3-5: Credit for Prior Learning

**Fractional Credits**

Quarter credits are worth 2/3 of a semester credit.

**Students who lack fractional credits in any area(s) of general educational or program requirements should see a counselor.**

- **If a student lacks fractional credits in any area(s) of general education requirements**, the student may satisfy the requirement(s) by completing other listed general education courses provided the student completes at least the minimum total requirements listed in the general education section for any degree or certificate.
- While an area or areas may be a fraction of a credit less than required, **the total general education credits may not be reduced.**
- While a specific program requirement can be satisfied with a fraction of a credit less than required, **the total program requirements can not be reduced.**

**International Colleges**

Credit may be awarded from some recognized colleges and universities outside of the country.

- Students must have a course by course evaluation completed by an approved transcript evaluation service.
- An official copy of the transcript and English translation might also be required depending on the transcript evaluation service used.
- Credit for English/communications requirements is accepted only from institutions located in the following countries: Australia, Canada, England, Ireland and New Zealand.

Contact Admissions and Records for further information.

**Credit For Military Service**

Veteran students and students who are active military and declared as degree/certificate seeking are encouraged to submit a copy of their military transcript, JST or Air Force, and their DD214 and records of approved examinations (if applicable) to determine if credit may be awarded for military service and/or training. **This is required for veterans receiving military benefits.**

**Military Transcripts Accepted at WNC:**
Students can use the following links to order **official military transcripts** to be sent directly to WNC Admissions and Records for evaluation**:**

- **Joint Service Transcript (JST)** includes Army, Marines, Navy and U.S. Coast Guard.
- **Community College of the Air Force (CCAF)** includes U.S. Air Force and Air Force Reserve or Air Guard.
- **Air University (AU)** includes U.S. Air Force and Air Force Reserve or Guard.

- **Only transfer credits that apply toward a requirement** (including required electives) will be applied toward a degree or certificate.
- **Credits earned in institutions of higher learning that are accredited by a Regional Accrediting Organization** are normally transferable, provided the courses are comparable to those offered by WNC and are applicable towards degree requirements.
- **Veterans who have completed more than one year of active duty and were honorably discharged** may be granted non-traditional credit from a DD214, up to a maximum of 4 credits in physical education.
- **Students must complete a minimum of 15 credits in residence at WNC** that are applicable to the associate degree or certificate they are seeking (minimum of 30 credits for a bachelor's degree).
- **WNC will consider recommendations from ACE**, the American Council of Education, when granting military credit. Further information can be found in **ACE's Military Guide**.
- **WNC Faculty are consulted** for input when needed to determine if a transfer course is equivalent to a WNC course and/or should fulfill a program requirement.

**Credit By Examination**

Demonstrated knowledge earned through an acceptable credit by examination process, may be accepted toward degree requirements. Credit earned by examination may not apply toward satisfying the minimum on-campus resident credit requirements.

The following examinations and transcript evaluation are permissible for determining credit by examination:

- College Board Advanced Placement Examination (CBAPE)
- College-Level Examination Program (CLEP)
- Excelsior College Exam
- International Baccalaureate (IB)
- Dantes Subject Standardized Tests (DSST)
- American Council on Education (ACE) Corporate Credit
- Challenge Examinations
- Other national testing organizations may be considered

**College Level Examination Program (CLEP):**

Credit may be granted for the satisfactory completion of the College Level Examination Program (CLEP) general examinations.

Credit may be granted for the general examinations with a score of 50 or above as follows:

| Examination | WNC Course Equivalent | Credit/Units Granted |
|---|---|---|
| College Composition | ENG 101 with a score of 50 to 63 | 3 |
| | ENG 101 and 102 with a score of 64 or higher | 6 |
| American Government | U.S. Constitution | 3 |
| History of the United States I | HIST 101 | 3 |
| History of the United States II | History Elective | 3 |
| Human Growth and Development | HDFS 201 | 3 |
| Introductory Psychology | PSY 101 | 3 |
| Introductory Sociology | SOC 101 | 3 |
| Principles of Macroeconomics | ECON 103 | 3 |
| Principles of Microeconomics | ECON 102 | 3 |
| Western Civilization I | HIST Elective | 3 |
| Western Civilization II | HIST Elective | 3 |
| Calculus | MATH 181 | 4 |
| Chemistry | CHEM 121* | 3 |
| College Algebra | MATH 126 | 3 |
| College Mathematics | MATH 120 | 3 |
| Precalculus | MATH 128 | 5 |
| Information Systems | IS 101 | 3 |

*Does not include Laboratory credit. CHEM 121 without lab is not applicable to WNC's nursing program.

A maximum of 3 to 6 semester credits/units may be granted for each subject examination.

In general, WNC will grant credit according to the standards determined by the University of Nevada, Reno. Credit is not granted for laboratory science and Nevada constitutions.

Contact Admissions and Records for specific information on how credit is granted for each test.

**College Board Advanced Placement Examinations (AP):**

Upon receipt of an official score report from the College Board, WNC can grant credit for Advanced Placement examinations with a score of 3 or higher for students matriculating to WNC in the summer 2016 or later. Prior to summer 2016, some examinations required a minimum score of 4 for credit.

Western Nevada College (WNC) awards credit for Advanced Placement tests as shown below. Students who matriculated to WNC prior to summer 2016 may require a score of 4 for some examinations

| **EXAMINATION** | | |
|---|---|---|
| **ART** | **SCORE REQUIRED** | **WESTERN NEVADA COLLEGE COURSE CREDIT** |
| History | 3, 4, or 5 | ART 160 (3 cr.) |
| Studio Art (2-D design, 3-D Design, or Drawing) | 3, 4, or 5 | Art Elective (3 cr.) |
| **BIOLOGY** | **SCORE REQUIRED** | **WESTERN NEVADA COLLEGE COURSE CREDIT** |
| Biology | 3 | BIOL 100* Lecture (3 cr.) |
| | 4 or 5 | BIOL 190* Lecture (3 cr) and BIOL 191* Lecture (3 cr) |
| **BUSINESS & PERSONAL FINANCE** | **SCORE REQUIRED** | **WESTERN NEVADA COLLEGE COURSE CREDIT** |
| Business and Personal Finance | 3, 4, or 5 | BUS 101 (3 cr.) and FIN 101 (3 cr.) |
| **CHEMISTRY** | **SCORE REQUIRED** | **WESTERN NEVADA COLLEGE COURSE CREDIT** |
| Chemistry | 3 | CHEM 121* (3 cr.) |
| | 4 or 5 | CHEM 121* *(3 cr.) and CHEM 122** (3 cr.) |
| **COMPUTER SCIENCE** | **SCORE REQUIRED** | **WESTERN NEVADA COLLEGE COURSE CREDIT** |
| Computer Science A | 3, 4, or 5 | CS 135 (3 cr.) |
| Computer Science Principles | 3, 4, or 5 | CIT 129 (3 cr.) |
| Cybersecurity | 3, 4, or 5 | CS Elective (3 cr.) |
| **ECONOMICS** | **SCORE REQUIRED** | **WESTERN NEVADA COLLEGE COURSE CREDIT** |
| Microeconomics | 3, 4, or 5 | ECON 102 (3 cr.) |
| Macroeconomics | 3, 4, or 5 | ECON 103 (3 cr.) |
| **ENGLISH** | **SCORE REQUIRED** | **WESTERN NEVADA COLLEGE COURSE CREDIT** |
| English Language & Composition | 3 | ENG 101 (3 cr.) |
| | 4 or 5 | ENG 101 (3 cr.) and ENG 102 (3 cr.)*** |
| English Literature & Composition | 3 | ENG 101 (3 cr.) |
| | 4 or 5 | ENG 101 (3 cr.) and ENG 102 (3 cr.)*** |
| **ENVIRONMENTAL SCIENCE** | **SCORE REQUIRED** | **WESTERN NEVADA COLLEGE COURSE CREDIT** |
| Environmental Science | 3, 4, or 5 | ENV 101 (3 cr.) |
| **FOREIGN LANGUAGE** | **SCORE REQUIRED** | **WESTERN NEVADA COLLEGE COURSE CREDIT** |
| Any AP foreign language exam in a language that WNC offers in courses numbered 111 &112 | | |
| Language and Culture | 3 | 111 (4 cr.) and 112 (4 cr.) |
| | 4 | 111 (4 cr.), 112 (4 cr.) and 211 (3 cr.)*** |
| | 5 | 111 (4 cr.), 112 (4 cr.) 211 (3 cr) and 212 (3 cr) *** |
| OR | | |
| Spanish Literature and Culture | 3 | SPAN 211 (3 cr) and SPAN 212 (3 cr) |
| | 4 | SPAN 211 (3 cr), SPAN 212 (3 cr) and SPAN Elective (3 cr) |
| | 5 | SPAN 211 (3 cr), SPAN 212 (3 cr) and SPAN Elective (6 cr)*** |
| **GEOGRAPHY** | **SCORE REQUIRED** | **WESTERN NEVADA COLLEGE COURSE CREDIT** |
| Human Geography | 3, 4, or 5 | GEOG 106 (3 cr.) |
| **HISTORY** | **SCORE REQUIRED** | **WESTERN NEVADA COLLEGE COURSE CREDIT** |
| **United States** | 3, 4 or 5 | HIST 101 (3 cr.) and Social Science elective (3 cr.)*** |
| European | 3, 4 or 5 | HIST 105 (3 cr.) and HIST 106 (3 cr.)*** |
| World: Modern | 3, 4, or 5 | HIST 208 (3 cr) and HIST 209 (3 cr)*** |
| **MATHEMATICS** | **SCORE REQUIRED** | **WESTERN NEVADA COLLEGE COURSE CREDIT** |
| Precalculus | 3 or 4 | MATH 126 (3 cr) |
| | 5 | MATH 128 (5 cr)*** |
| Calculus AB (or AB subscore on BC exam) | 3, 4, or 5 | MATH 181 (4 cr.) |
| Calculus BC | 3, 4, or 5 | MATH 181 (4 cr.) and MATH 182 (4 cr.)*** |
| Statistics | 3, 4, or 5 | STAT 152 (3 cr.) |
| **MUSIC** | **SCORE REQUIRED** | **WESTERN NEVADA COLLEGE COURSE CREDIT** |
| Theory | 3 or 4 | Music Elective (4 cr.)*** |
| | 5 | Music Elective (8 cr.)*** |

| PHYSICS | SCORE REQUIRED | WESTERN NEVADA COLLEGE COURSE CREDIT |
|---|---|---|
| Physics 1 | 3, 4, or 5 | PHYS 151* (3 cr.)*** |
| Physics 2 | 3, 4, or 5 | PHYS 152* (3 cr.)*** |
| Physics C: Mechanics | 3, 4, or 5 | PHYS 180* (3 cr.)*** |
| Physics C: Electricity & Magnetism | 3,4 or 5 | PHYS 181* (3 cr)*** |
| **POLITICAL SCIENCE** | **SCORE REQUIRED** | **WESTERN NEVADA COLLEGE COURSE CREDIT** |
| Government and Politics | 3, 4, or 5 | US Constitutions (3 cr) |
| Comparative Government & Politics | 3, 4, or 5 | PSC 211 (3 cr) |
| **PSYCHOLOGY** | **SCORE REQUIRED** | **WESTERN NEVADA COLLEGE COURSE CREDIT** |
| Psychology | 3, 4, or 5 | PSY 101 (3 cr.) |
| *** Does not include Laboratory credit. CHEM 121 and/or BIOL 190 without lab is not applicable to WNC's nursing program.** | | |
| ***** The test credits awarded for this exam will change in the 2027-2028 catalog. Please see your academic advisor for more information.** | | |

**Credit by Challenge Examinations:**

Current WNC students may be eligible to earn credit by successfully completing a challenge examination for certain courses. Challenge examinations are offered only with the required approvals and are not available for all courses. WNC reserves the right to deny any request for Challenge Examination.

## How to Request a Challenge Examination

Students should first review the policies associated with **credit for prior learning.** **Students who believe they might qualify should:**

1. **Reach out to Admissions and Records to request a challenge examination. admissions.records@wnc.edu**
2. Admissions and Records will connect the student to the appropriate academic division/faculty.
3. **Student should speak with a full-time instructor in the appropriate subject area and fill out the Challenge Examination Request Form.** *If a full-time instructor is unavailable, a part-time instructor may be authorized to administer the exam with approval from the division director.*
4. **If the instructor approval is obtained**, students must submit the signed form to Admissions and Records.
5. **If approved by Admissions and Records**, students must pay the required challenge examination fee at the Cashier's Office and submit the payment receipt and completed Challenge Examination Request Form to Admissions & Records.
6. **The instructor will then be able to administer the exam.** It is the students responsibility to work with the instructor to schedule the exam.
7. **The student will have until the end of the semester** in which the challenge exam is requested to complete the exam.
8. **Once the examination is complete,** the instructor will forward the exam with results to Admissions and Records for final processing**.**

**Students are responsible for** obtaining all required approvals, arranging to complete the exam with the instructor, and requesting the official score be posted on the challenge exam form and sent to Admissions and Records for final processing.

***Transfer from WNC***

For students who plan to continue their education at a four-year university, A variety of available services make transferring from WNC to a four-year university as easy and efficient as possible. College catalogs from most U.S. colleges are available.

**For assistance on transferring, contact Academic Advising and Access:**

advising@wnc.edu
**775-445-3267**
wnc.edu/advising

## Transfer Resources:

- **Information for Students Transferring to 4-year Institutions**
- **Student Transfer Rights and Responsibilities**
- **Transfer Checklist**

**Transfer Agreements**

- **Great Basic College (GBC): Transfer Agreements (Website)**
- **University of Nevada Reno (UNR): Transfer Agreements (Website)**
- **Nevada State University: Transfer Agreements (Website)**

***UNR Transfer Admissions Program (TAP)***

The Transfer Admissions Program (TAP) is offered at Western Nevada College. The program allows students to stay connected with the University of Nevada, Reno by receiving monthly reminders on application deadlines, financial aid, transfer events and more. The University of Nevada, Reno visits WNC at least once a month to go over the application process and academic advising.

***TAP features and benefits***

- Stay connected with University of Nevada, Reno faculty and advisors
- Be reminded of deadlines, such as the February 1st scholarship deadline
- Be able to receive academic advising while attendingWNC
- Stay connected to the University while still enrolled at WNC

# Disability Support Services

Our philosophy is to empower students to be successful in obtaining their educational goals. By providing necessary support, we help students to attain their academic, vocational and personal goals at WNC. Disability Support Services(DSS)provides qualified students with disabilities equal access to higher education through academic support services, technology and advocacy in order to promote their independence, retention and graduation.

WNC is committed to serving the College community in the following areas:

- Serving as an advocate and liaison
- Providing appropriate accommodations and services
- Giving guidance and training on disability matters
- Fostering self-sufficiency
- Acting as a resource regarding areas of compliance.

# Getting Needed Accommodations and Services

Reasonable accommodations and implementation of services are determined by the DSS program director after consultation and discussion with the student.

In order to be connected with the Disability Support Services (DSS) office and receive accommodations you will need to first complete and submit an application **here**.

Once registered with the DSS office, students will attend an intake appointment, provide written proof of their disability when they meet with the DSS program director. At the end of the intake appointment, the program director determines accommodations, which may include:

- Extended time for testing
- Note taking assistance
- Distraction reduced testing room
- Assistive technology
- Academic coaching
- Auxiliary aides
- ASL interpreters/captioning

## HOW TO REQUEST ACCOMMODATIONS: https://wnc.edu/dss/index.php

## Exam Scheduling

It is the students responsibility to make an appointment with DSS when planning to take an exam in the DSS office. DSS requires a minimum of:

1. **3 working days** advance notice before exams or quizzes are to be administered in the DSS office
2. **7 working days** if exams must be converted to an alternative format (e.g., Braille, large print, etc.)
3. **7 working days** for readers, scribes and/or assistants

Generally, students with disabilities take exams at the same time as the rest of the class unless there are time conflicts, in which case an alternate exam time is assigned with the instructors approval.

DSS administers exams from 8:00 a.m. until 5:00 p.m.

**Note:** Exams will not be administered after 3:15pm unless after hour arrangements have been made 1 week in advance.

## HOW TO SCHEDULE AN EXAM: https://wnc.edu/dss

## Requesting Alternative Text

If an accessible PDF version of your text is available in the campus bookstore or other online source, you will need to purchase it in that format instead of the physical copy because we may not be able to obtain it for you.

There are many databases and inventories of electronic books and materials, so you may be able to locate an existing electronic copy on your own. **Please be sure to check these external sources prior to submitting your request form**. If you need assistance locating these websites or setting up accounts, please schedule an appointment with the DSS office to do so.

Alternative format options may include:

- Digital: A digital version of the requested book in either EPUB or Adobe PDF, depending upon availability.
- Large Print: An enlarged copy of the requested title. Paper size is 11" x 17," and font size is based on student preference.
- Braille: The universal system of writing and printing for the blind.

**Note:** Book requests can take up to six (6) weeks to be filled.

**HOW TO REQUEST ALTERNATIVE TEXT:**
**https://wnc.edu/dss**

## CREST

Disability Support Services College Readiness Education for Students in Transition (CREST) program is for transition age students (16-22) with disabilities. It is a free program that introduces students to the college experience giving them practical skills to succeed.

**DOWNLOAD CREST BROCHURE:**
**https://wnc.edu/dss**

### Behavioral Intervention Team

**LEARN MORE: https://wnc.edu/bit**

Advising & Registration

# Registration Information

***Preparing for Enrollment***

New students or those who have not taken a WNC credit course in the past two years should submit an application for admission at least four business days before planning to register for classes.

All students will be issued a NSHE ID number which will be a student's official identification number at WNC and at all other Nevada System of Higher Education schools. Students are provided with the number and a password to access myWNC online registration system when their application for admission is processed.

Students should ensure that their educational objective is correct and up to date in MyWNC. Students may declare only one degree or certificate of achievement. Degree/certificate students should attend an orientation, take placement tests, and meet with a counselor.

High school students must submit a high school authorization form before they can register for classes.

***Semesters and Student Involvement***

The dates of each semester are published under the section "**dates and deadlines**" on the WNC website. Full-term classes meet throughout the entire semester. A short-term class is defined as a class that is not scheduled to meet for the entire semester (16 weeks for fall and spring, eight weeks for summer). Full-term online classes are available to students on the first day of the semester. Students are encouraged to contact their instructors as early as the first day of the semester regarding class material, etc. Instructors may, at their discretion, accept class work through the last day of the semester.

***Registering for Classes***

Students registering at the beginning of a semester registration period should check their student center in **myWNC** for their online enrollment appointment. Students can register any time after their enrollment appointment is active.

Students may add full-term courses through the first week of instruction; short-term classes may be added until the first day of class.

To add classes, students first add classes to their shopping cart in **myWNC** under "Enroll." Students need to ensure they finish the enrollment process (step 3 under "Enroll" in **myWNC**). A message will inform students if their enrollment was successful or if an error occurred.

Students who encounter holds that prevent them from registering should review the hold information in their student center for details. Holds from other NSHE institutions will not affect enrollment or any transaction at Western Nevada College unless the hold has been placed because the student has a past due balance at another NSHE institution.

Only students who have completed the registration process may attend classes for which they have registered for. Individuals may not attend or "sit in" any class they are not officially registered in.

***Paying for Classes***

Students should pay fees after registering for classes (no later than the published deadlines). Students who do not pay 100 % of all classes by payment deadlines or 100% of the first installment of a payment plan (when applicable) may be dropped from 100% of their classes. Students are ultimately responsible to drop their classes if they no longer choose to be enrolled. Students who do not drop their classes by refund deadlines may be responsible for payment, regardless of whether or not they attended classes, and may end up with an "F" grade on their transcript.

Invoices are emailed to students who register well in advance of the semester start date. Students can also view their charges through myWNC. Students are responsible for payment regardless of whether an invoice is received. It is the student's responsibility to be aware of all semester deadlines, including refunds and fee payments. Students who do not pay fees by published deadlines may be removed from class rosters. However, if a payment is made to a student's account for a previously registered class, or from any other source such as financial aid, a scholarship, a third party, etc. the student may not be removed from class rosters.

***Dropping Classes***

Students drop (withdraw from) classes using the enroll function in myWNC. Deadlines to drop classes are as follows:

- Full-term classes by the Friday (or Thursday if Friday is a holiday) of the ninth week of the semester.
- Short-term classes that meet four weeks or longer no later than the date that 60% of instruction has occurred.
- Short-term classes that meet less than two weeks but more than two days no later than the first day of class.
- Short-term classes that meet two days or less no later than the day before the first class.

Students should drop from classes by the published deadline if they are unable to attend or complete them. Students who do not withdraw themselves are subject to receive a grade issued by the instructor which could be a failing F grade.

Courses dropped by the student after the 100% refund period will remain on a student transcript with a grade of W. A W grade does not affect grade point average but may affect financial aid and scholarship eligibility.

Refund dates vary by length and type of class. Information about refunds can be found at **wnc.edu/admissions/fees**

Some math and English classes are not eligible to be dropped. The Nevada System of Higher Education has a policy that requires all degree seeking students to be continuously enrolled in English and math until they have completed college level English and math classes. Students enrolled in these classes can switch to a different section by submitting an Even Exchange Enrollment Request form to Admissions and Records. Students with a compelling reason to drop may meet with a WNC Counselor to request permission to drop.

***Auditing A Class***

Auditing a class is a process in which a student pays the fee, attends class sessions, receives all the instruction, and generally does the assignments and the work of a regularly enrolled student. However, he/she does not receive a grade or credit. The student is not required to take examinations.

Deadlines to change to credit to audit or audit to credit are classes are as follows:

- Full-term classes by the Friday (or Thursday if Friday is a holiday) of the ninth week of the semester.
- Short-term classes that meet four weeks or longer no later than the date that 60% of instruction has occurred.
- Short-term classes that meet less than two weeks but more than two days no later than the first day of class.
- Short-term classes that meet two days or less no later than the day before the first class.

After the semester begins, students who wish to change their credit/audit status for full-term classes may make the change through myWNC using the “edit” function under “enroll.” Students who wish to change their credit/audit status for a short-term class must submit an Enrollment Request Special Circumstances form to Admissions and Records.

***Classes with Prerequisites***

Students should check the course catalog to ensure they have met the prerequisites for the classes they intend to enroll in; it is the student’s responsibility to ensure that prerequisites are met.

Students currently enrolled at WNC in a class that fulfills a prerequisite may enroll in the subsequent class. If the prerequisite class is not successfully completed, the student may be dropped from the subsequent class that required the prerequisite.

***Enrollment Limits***

Students may register for up to 18 units for the fall and spring semesters and up to 12 units for the summer semester through myWNC. Additional registration requires approval by a WNC counselor; the maximum number of units that may be approved for one semester is 21 units for degree/certificate seeking students. Enrollment in more than 21 units (15 for summer term) requires the approval of the Director of Admissions & Records.

***Course Load***

The number of classes taken by a student, excluding courses taken for audit, makes up the total unit load. The load of a student receiving veterans benefits or financial assistance may have restrictions which affect the classes that apply to his/her course of study. Full-time students are defined as those who carry 12 or more units (six or more for summer); three-quarter-time students carry 9-11 units; half-time students carry six-eight units.

According to the Northwest Commission on Colleges and Universities guidelines, a three-unit lecture class usually requires three hours of class time per week; and a one-unit lecture class usually requires one hour of class time per week. A one-unit laboratory class usually requires three hours of class time per week.

***Late Registration***

Students may register late by submitting a Late Registration Enrollment Request form with instructor signature/approval during the second week of classes. After the second week of the semester, students must pay for a class in full plus a $25 late payment fee before a class will be added using the Late Registration Request. The last day to pay for and submit a request to add a full-term class is the Friday of the fourth week of the semester.

Submission of a Late Registration form does not guarantee the request will be processed. Students are responsible to check to see if their request was granted and to verify the accuracy of their course schedule through myWNC. If not pre-paid, students must pay for courses approved for late registration immediately.

***Even Exchanges***

Requests to exchange one full-term class for another with the same amount or more credits must be submitted after the first week of the semester, with an Even Exchange Enrollment Request form, by the end of the second week of the semester. An instructor’s signature must be submitted for any class to be added. Even exchange of class/credit will remove the dropped class completely from a student’s transcript. Classes dropped after the 100 percent refund period that are not “even exchanged” will remain on a transcript with a grade of “W,” and may affect student financial aid.

Submission of an Even Exchange form does not guarantee the request will be processed. Students are responsible for checking to see if their request was granted and to verify the accuracy of their course schedule through myWNC.

***Concurrent Registration***

A student who plans to enroll for one or more courses at another college while enrolled at WNC should consult with a counselor prior to enrollment. The counselor will help the student select courses at a college as they relate to degree requirements at WNC. Courses taken at another college must be transferred and evaluated for credit if the student wishes to use them in meeting WNC degree requirements. Veterans, international students and students receiving financial aid must indicate to the appropriate agency which institution is the school of primary enrollment.

***Books***

After registering for classes, students can locate information on required and recommended books for their classes through myWNC, by visiting the bookstore website at https://wncbookstore.com/.

***Class Cancellation***

Western Nevada College reserves the right to cancel classes in which there is insufficient enrollment.

***Attendance***

Students are expected to attend all classes for which they have registered. An instructor may fail any student when the student has an excessive number of absences as identified in the course syllabus. In general, if a student misses a number of hours greater than the number of units to be earned in the course, this may be considered excessive.

***Name and Contact Information***

Students are encouraged to keep their email address, address and phone number current in myWNC. A change or correction to a name, birthdate, or Social Security number requires submission of a Personal Identification Change form with documentation to Admissions and Records.

***Student Responsibility***

Students should periodically check their class schedule in myWNC throughout the semester to make sure that fees have been paid and they are still correctly registered. This is the student's responsibility.

Students are responsible for all costs associated with registration, regardless of any invoice that may or may not have been received, and regardless of attendance or class participation unless classes are dropped within the 100 percent refund period.

# Financial Assistance

Financial Assistance

## Types of Aid

## Grants

### Federal Pell Grant

- Pell Grant program is federally funded with the purpose of helping financially needy students meet the cost of postsecondary education.
- This program is centrally administered by the federal government and is typically the foundation of a students aid package. Students must demonstrate financial need to qualify.
- A Federal Pell Grant, does not have to be repaid.
- The Financial Assistance Office uses the Pell award as the foundation of the students financial aid package. Therefore, students requesting financial assistance during their enrollment are required to establish Federal Pell Grant eligibility before additional determination of funds eligibility is made and/or awarded.
- In order to determine eligibility for any federal financial aid program, students must file a Free Application for Federal Student Aid (FAFSA) and have the results sent to WNC, by providing the WNC School Code on the FAFSA (013896).
- Federal Pell Grant award amounts are based on the Federal Pell Grant Payment and Disbursement Schedules provided by the U.S. Department of Education. You can learn more about the PELL Grant at **https://studentaid.ed.gov/sa/node/6**.
- Students are notified of the amount of their Pell Grant through a financial aid offer letter. Students are directed to view their offer letters on myWNC.
- The Pell Grant amount will be adjusted just prior to the disbursement of aid based on a students enrollment level and enrollment intensity. Enrollment levels are defined in the following manner:
    - 12+ credits = Full Time Enrollment
    - 9-11 credits = 3/4 Time Enrollment
    - 6-8 credits+ 1/2 Time Enrollment
    - Under 6 credits = Less than 1/2 Time Enrollment
- Students could owe money back for all or part of your Federal Pell Grant if they do not complete classes. The amount a student may owe will be calculated based on the drop date, the number of credits that you did not earn and the last day that you attended classes. Review the **Return of Title IV Policy** page (**https://wnc.edu/financial/important-policies.php**) for more information.

### Federal Supplemental Education Opportunity Grant (FSEOG)

- This federal program provides limited grant funding on a first-come, first-serve basis to students who meet the April 1 priority filing deadline. If funds remain after April 1, those funds will be awarded on first-come, first serve basis.
- FSEOG, similar to a Pell Grant, does not have to be repaid.
- Recipients must be:
    - Eligible for a Pell Grant
    - Be enrolled in at least six units
    - Demonstrate financial need
- Award amounts are based on remaining financial need and begin at $600 per semester.

### Silver State Opportunity Grant (SSOG)

- The Silver State Opportunity Grant Program (SSOG) is a state-supported financial aid program created by the 2015 Legislature pursuant to Senate Bill 227 (Chapter 387,*Statutes of Nevada 2015*).
- Under SSOG, need based grants will be awarded to eligible low income student who are college-ready to pay for a portion of the cost of education at a community college or state college within the Nevada System of Higher Education (NSHE).
- This unique program is built on a shared responsibility model and guided by a philosophy for awarding grant aid based on the total cost of attendance (tuition and fees, books and supplies, room and board, and other living expenses) being shared by partners (the state, federal government, family, and the student).

- To be eligible for an SSOG award, a student must:
    - Be enrolled in a program of study leading to a degree or certificate;
    - Enroll in at least 15 credit hours that apply to the students chosen program of study;
    - Be college ready based on placement or completion of entry-level, college-level mathematics and English*;
    - Be classified as a resident for tuition purposes;
    - Meet institutional Title IV financial aid satisfactory academic progress requirements; and
    - Complete the Free Application for Federal Student Aid (FAFSA) and have an Student Aid Index (SAI) of 8500 or less.

*To be considered college-ready for the purpose of SSOG Program eligibility, a student must be 1) currently or previously enrolled in a 100 or above level mathematics and English course, 2) placed into a college-level course under institutional placement policies for placement into at least Math 120 and English 101, or 3) previously successfully completed remedial coursework (evident by a C or better in Math 96 and/or English 98).

## Nevada Resident Award and Nevada Student Grant

- These two state programs provide limited funding to Nevada residents on a first-come, first-serve basis to students who meet the April 1 priority filing deadline. If funds remain after April 1, those funds will be awarded on first-come, first serve basis.
- To be eligible for these programs, students must:
    - Be a Nevada resident
    - Have a complete financial aid file
    - Demonstrate financial need
    - Enroll at least six units
- Award amounts are based on remaining financial need and begin at $600 per semester.

## Grant in Aid

- This state program provides limited funding to Nevada residents on a first-come, first-serve basis to students who meet the April 1 priority filing deadline. If funds remain after April 1, those funds will be awarded on first-come, first serve basis.
- To be eligible for a GIA award, a student must:
    - Have a complete financial aid file
    - Demonstrate financial need
    - Enrolled at least six units
    - Have a Student Aid Index (SAI) of less than 200.
- Award amounts are based on remaining financial need and begin at $600 per semester.

## Western Nevada Award

- This institutional funded grant program provides limited funding to students on a first-come, first-serve basis to students who meet the April 1 priority filing deadline. If funds remain after April 1, those funds will be awarded on first-come, first serve basis.
- To be eligible for this programs, students must:
    - Have a complete financial aid file
    - Demonstrate financial need
    - Enroll at least six units
- Award amounts are based on remaining financial need and begin at $600 per semester.

## Wildcat Award

- This institutional funded grant program provides limited funding to students on a first-come, first-serve basis to students who meet the April 1 priority filing deadline. If funds remain after April 1, those funds will be awarded on first-come, first serve basis.
- To be eligible for this programs, students must:
    - Have a complete financial aid file
    - Demonstrate financial need
    - Enroll at least six units
    - This award targets students with and SAI of 3500 to 10000.  However the EFC range could be expanded based on available funding and student need.
- Award amounts are based on remaining financial need and begin at $1000 per semester.

# Scholarships

## William N. Pennington CTE Scholarship

WNC Foundation and Financial Assistance Office are thrilled to announce the opening of the 2024-2025 William N. Penntington CTE Scholarship Application! The William N. Pennington Foundation Career and Technical Scholarship has been created to support students that are pursuing careers in fields that are in high demand with local employers. This scholarship aims to improve the well-being of our community by offering students, with financial need, the opportunity to redefine their careers and ultimately their lives by learning the skills necessary to obtain meaningful employment in northern Nevada.

WILLIAM N. PENNINGTON CTE APPLICATION

## WNC Foundation Scholarships

Each year, WNC Foundation awards scholarships to students on the basis of academic criteria or any combination of academics, field of study, financial need, activities, community service, and other criteria.

**General Eligibility Criteria**

In general, in order to be selected for a campus-based WNC Foundation Scholarship, a student must:

- Meet the specific selection criteria for a particular scholarship program
- Be enrolled in a minimum of six units, unless otherwise requested by the donor
- Have a minimum cumulative grade point average (GPA) of 2.0, unless otherwise requested by the donor
- Some scholarships require students to have a financial need. To be more likely to receive a financial need based scholarship, please make sure to complete the Free Application for Federal Student Aid (FAFSA). For information on how to do this visit **https://studentaid.gov/h/apply-for-aid/fafsa**

**Award Details**

- Students awarded a scholarship will receive a unique communication from WNC AwardSpring Software with instructions specific to their scholarship award.
- Student will also receive a Financial Assistance Offer letter that includes their scholarship awards and any other forms of aid the student maybe eligible for.
- Scholarships of $500 and more will be disbursed in two equal payments (Fall/Spring) unless otherwise requested by the donor.
- Students must meet the minimum GPA criteria for a scholarship in order to receive the Spring disbursement.
- Students awarded a scholarship will have their award disbursed to their student account only when a thank you card has been received for the donor and in accordance with semester disbursement dates.

## Career Path Scholarships

- This scholarship is for students enrolled in specific courses of study: Automotive Mechanics, Machine Tool Technology, Advanced Manufacturing, Healthcare, Construction, Computer Information Technology, Truck-Driving (CDL) and Welding.
- You do not need to be a current student to apply for this scholarship. If you do not have a WNC Student ID Number you can still complete the application.
- **Applicants should ue the code *WILDCAT to apply for the CAREER PATH* SCHOLARSHIP**
- The funds for this scholarship is grant funding that has been received from the Nevada Department of Employment Training and Rehabilitation (DETR), U.S. Department of Education, WINN Nevada Governors Office of Economic Development and SNAP/ENT.

Scholarship Application: **https://wnc.awardspring.com/**

## Governor Guinn Millennium Scholarship

In 1999, Gov. Kenny Guinn Millennium Scholarship initiative was enacted into law by the Nevada Legislature. Each Millennium Scholarship is worth up to $10,000 over the lifetime of the award. There is no application for students to complete, however students should become familiar with the policies and procedures related to the **Millennium Scholarship program:** https://www.nevadatreasurer.gov/GGMS/GGMS_Home/.

**Steps to Secure your Millennium Scholarship**

1. Acknowledging your Millennium Scholarship Award on the State Treasure's Website: **https://www.nevadatreasurer.gov/GGMS/GGMS_Home/**
2. Enroll om Courses

- Students must enroll in a minimum of **9** degree applicable credits and can receive funding for up to **15** degree applicable credits. Students will receive a maximum of $40 per credit hour for lower-division credits (100-200 level) and $60 per credit hour for upper division credits (300-400 level). Enrollment in courses under the 100 level are counted towards the minimum enrollment requirement of 9 credits, however these course are not eligible for funding.
- Maintaining your Millennium Scholarship Eligibility
    - To remain eligible for the Millennium Scholarship each semester, students are required to complete at least 9 credits and maintain a SEMESTER GPA 2.75 .

**Questions regarding your Millennium Scholarship**

Temple Campana
WNC Scholarship and Student Employment Coordinator
775-445-3260
**temple.campana@wnc.edu**

### Nevada Promise

The Nevada Promise Scholarship is a last-dollar scholarship that was established by the Nevada State Legislature in 2017. The scholarship incorporates service learning and mentorship with academics, with the goal of increasing enrollment in higher education and improving overall student achievement, by eliminating financial barriers and allowing students to place greater emphasis on their education. This scholarship provides coverage of tuition and other mandatory fees not met by federal or state aid for up to three years. There are no income or high school GPA requirements, and it is open to all Nevada high school students graduating between August 1 and June 15 who begin classes at WNC in the fall immediately following graduation.

***Visit the WNC Nevada Promise Scholarship page: https://wnc.edu/advising/promise.php to learn how to qualify!***

### Outside Scholarships

Western Nevada College does not post links for external scholarships at this time. We do encourage students to explore scholarship opportunities by using free scholarship sites such as:

**www.fastweb.com**

**www.scholarships.com**

There are many other similar search sites just make sure you never pay money to apply and avoid searches that want to link to your social media or ask for private personal information such as your social security number, as these are often scams.

Big companies and large corporations often offer scholarships so its a good idea to search those sites too! Other places to check out include your or your parents places of employment as well as local financial institutions.

We do support known local organizations who offer scholarships and often have hard copy applications in the Financial Assistance Office. Applications are in our lobby or posted on our lobby bulletin board.

## Student Employment/Work-Study

Student Employee programs help students earn funds to help with part of their college expenses while attending school. These are on-campus jobs that are located on the Carson City, Fallon and Douglas campuses. The hours worked are arranged around the students class schedule, not to exceed 20 hours per week. Students must be enrolled at least half-time to be eligible for these programs.

***To be considered for the majority of student employment funds, complete the Free Application for Federal Student Aid (FAFSA).***

- Student Employment positions can be found on the **Student Employee Job Board: https://wnc.edu/human-resources/jobs.php**
- Supervisors and Students Employees should consult the **Student Employment Handbook** for more details.

**Types of Work-Study**

- **Federal Work-Study Program** is a federally funded program designed to help provide employment for qualified students who demonstrate a financial need as determined by the FAFSA.
- **Nevada Student Employment Program** is a state-funded program based on financial need as determined by the FAFSA. Students must be a Nevada resident and enrolled at least half-time.
- **Western Student Employment Program** is a Nevada access employment program for students who have demonstrated financial need as determined by the FAFSA and is designed to help provide employment for qualified students who demonstrate a financial need.
- **Regents Service Program** is a state funded program based on criteria established by the Nevada System of Higher Education Board of Regents. To be eligible, Nevada residents must be enrolled at least half-time and must meet at least one of the following criteria:
    - Head of household.
    - Single parent who has never attended college or has had a break in enrollment of two years or more.
    - First person in their immediate family to pursue a certificate or degree beyond high school.
    - Not receiving support from parents or family.
    - Have unusual financial circumstances.

## Student Loans

- Student loans are money that must be repaid and are legal obligations.
- Students are required to repay ALL student loans regardless of whether they didnt like the education received, ability to get a job in a preferred field of study, or financial difficulty.
- The Financial Assistance Office at WNC supports the Nevada Attorney Generals Office with regards to college student loan conduct. Please read the **WNC College Student Loan Code of Conduct** for more information.

*Before taking out a student loan, it is wise to think about the amount of money being borrowed and the amount of money to be repaid over the years, with interest. Be conservative. Only borrow what is absolutely needed.*

**Steps to Apply for a Federal Direct Loan**

***Please Note: The 2023-2024 Loan Request Form will open May 1.***

1. Complete and submit the Free Application for Federal Student Aid (FAFSA).
2. Complete your WNC financial aid file.
3. Complete a Master Promissory Note (MPN) at **www.studentloans.gov**. Sign in with your FSA ID and choose Complete MPN from the menu on the left side of the page.
4. Complete the Entrance counseling at: **www.studentloans.gov**. Sign in with your FSA ID and choose Complete Entrance Counseling from the menu on the left side of the page. ENCOURAGED TO COMPLETE EVERY YEAR.
5. Log on to the National Student Loan Data System (NSLDS) at **https://nslds.ed.gov/nslds/nslds_SA/** using your FSA ID and print a summary report of your financial aid history. You **must** attach your financial aid history summary to your Loan Request Form. If this is the first time you have requested financial aid, you must attach a printout of the NSLDS web page proving you have accessed your NSLDS account.
6. Complete and submit the **Student Loan Request Form**.
7. Must complete the Exit counseling at: **https://studentloans.gov** in the **last** semester you are in attendance at WNC or drop below 6 credits.
8. If you decide to cancel your loan(s), you need to submit to the Financial Assistance office a completed **Loan Revision Request** form and/or return the loan funds to your lender. To avoid penalty, you must cancel your loans as soon as possible or no later than 14 days after disbursement of funds.

**FOR MORE INFORMATION ON DIRECT FEDERAL LOANS GO TO:https://studentaid.ed.gov/sa/**

Financial Assistance

# Student Rights and Responsibilities

**You Have The Right To:**

- Know what financial aid programs are available;
- Know the deadline for submitting applications for each of the programs available;
- Be informed of financial aid policies and procedures;
- Know how your financial eligibility was determined and what resources (such as your income, assets, parental contribution and other resources) were considered in the calculation of need;
- Know what portion of your financial aid must be repaid, and what portion is gift or aid received from work;
- Know how the Financial Assistance Office determines whether you are making satisfactory academic progress and what the consequences are if you are not;
- Request an explanation of the various programs in your financial aid package;
- Know the terms of any loans you receive, and your deferment, cancellation and forbearance rights.

**You Have The Responsibility To:**

- Maintain satisfactory academic progress.
- Complete all application forms accurately and submit them on time;
- Provide correct information. Misrepresentation of information on financial aid applications is a violation of federal law and may be a criminal offense (see section on Fraud);
- Report any change in the information used to determine your eligibility, including name, family size, or financial resources;
- Return all documentation, verification, corrections, and/or new information requested by either the Financial Assistance Office or the agency to which you submitted your application, in a timely manner;
- Read and understand all forms that you are asked to sign and keep copies of them;
- Accept responsibility for all agreements that you sign;
- Perform the work that is agreed upon in accepting a Federal Work-Study award in a satisfactory manner;
- Notify the Financial Assistance Office immediately if you withdraw from school or reduce enrollment below six units.
- Be aware of repayment procedures;
- Complete Loan Exit Counseling if you graduate, drop below six units, or leave Western Nevada College;
- If you are a recipient of a student loan, notify your lender and the Financial Assistance Office of changes in your enrollment status;
- Repay all loans including the interest on those loans;
- File all required student loan deferment forms on time.

Financial Assistance

# Statement of Ethical Principles

**The Financial Assistance Office shall:**

- Be committed to removing financial barriers for those students who wish to pursue a college education.
- Educate students and families through quality outreach financial aid information.
- Respect the dignity and protect the privacy of students and assure the confidentiality of student records and personal circumstances.
- Assure equity by applying all need analysis formulas consistently among student financial aid applicants.
- Recognize the need for professional development and continuing educational opportunities.
- Commit to the highest level of ethical behavior.
- Maintain the highest level of professionalism, reflecting a commitment to the goals of the National Association of Student Financial Aid Administrators.

Financial Assistance

# Receiving Your Aid

## Financial Aid Disbursements

WNC begins disbursements of Grants and Scholarship 10 days prior to each semester. WNC begins disbursements of Loans during the 3rd week of school and after confirmation of academic engagement. During the week before school and the first week of school, disbursements and refunds are completed Monday-Friday. Beginning with the second week of school disbursements and refunds are processed on a weekly basis. In general, the disbursement and refund batch jobs are ran on Wednesday.

Financial Aid refund checks will be mailed by the WNC Controller's Office, to the address that is on a student's myWNC account. If the student has signed up for direct deposit, funds will be directly deposited into their bank account. It is the student's responsibility to update any changes of address or changes in bank account information through their myWNC account.

## Financial Aid Census Date

Enrollment Levels and Degree declarations are locked on the Financial Aid Census date, which is the last day of the 100% Refund Period.

## Degree Applicable Programs

Federal regulations require that federal financial assistance can only be provided to students for courses that apply toward their degree or certificate of achievement program. If students are enrolled in courses that do not count toward their degree or certificate of achievement, those courses cannot be used to determine financial aid enrollment status. Enrollment status is what is used to determine the amount of financial assistance that can be awarded to a student.

## Academic Engagement Requirements

WNC requires instructors to report academic participation/activity as of the Financial Assistance Census Date, WNC is not consider an attendance taking school and only confirms participation for the establishment of aid eligibility. ***T***he WNC Financial Assistance Census Date coincides with the last date students can drop full term classes for a 100% tuition refund. In order to maintain or establish eligibility for federal aid, students must establish Academic Attendance or have Attendance at an Academically-Related Activity as defined by under Academic Engagement in **34CFR 600.2**.

# Maintaining Your Aid

## Satisfactory Academic Progress Standards

Federal regulations require Western Nevada College (WNC) to establish and apply reasonable standards of satisfactory academic progress (SAP) for the purpose of the receipt of financial assistance under the programs authorized by Title IV of the Higher Education Act. The law requires WNC to develop policies regarding SAP. WNC must design criteria which outline the definition of student progress towards a degree and the consequences to the student if progress is not achieved. Students who wish to be considered for financial assistance must maintain satisfactory academic progress in their selected course of study as set forth in this policy. In general, financial aid students must maintain the following:

- **Grade Point Average:** Financial Assistance students must maintain a 2.0 cumulative GPA for all coursework regardless of whether or not assistance was received for previous course work.
- **Academic Completion Rate or Pace:** At a minimum, a student must satisfactorily complete 67% of all credits attempted each semester. In addition, a student must maintain a cumulative completion rate or pace of 67% or higher.
- **Maximum Timeframe:** For Financial Assistance purposes a student is limited to attempting 150% of the units required for their specific degree program.

*To learn more about the SAP policy, notifications, and appeal processes visit: **https://wnc.edu/financial/important-policies.php**.*

## Return of Title IV

A Return of Title IV (R2T4) of money occurs when a student receives all (or a combination of) F, I, W, EXP, AD, or U grades ***before*** completing more than 60 percent of the semester. If this happens to you, you ***will be*** required to return any unearned Federal funds (including Direct Loans and/or PLUS Loans). *To learn more about the R2T4 policy, notifications, and appeal processes visit: **https://wnc.edu/financial/important-policies.php**.*

# Other Important Financial Aid Policies

## Fraud

Any individual who fraudulently manipulates the financial aid programs or process for personal gain will be reported to the Department of Education any individual committing fraud on an application for financial aid.

Cases of suspected fraud, including knowingly misrepresenting family or financial application information, purposeful certification of false statements as true and correct, or intentional falsification or misrepresentation on, or alteration of documents used in the financial aid process that results in the receipt of aid, will be reported for possible collection of funds and/or prosecution.

## Special Circumstances

The Higher Education Act of 1992 allows financial aid administrators to make professional judgment decisions for special or unusual family or student circumstances. These circumstances must be documented and will be analyzed on a case-by-case basis.

The *FAFSA Simplification Act* distinguishes between different categories of professional judgment by amending section 479A of the HEA.

- **Special Circumstances** refer to the financial situations (loss of a job, etc.) that justify an aid administrator adjusting data elements in the COA or in the EFC calculation.
    - **Separation of Income**: Use this form in the event of a divorce, separation, or death.
    - **Special Circumstances**: Use this form in the event of a job loss or a significant loss of income.
    - **Increase for Cost of Attendance**: Use this form when you requesting an increase or review of your financial aid Cost of Attendance.
- **Unusual Circumstances** refer to the conditions that justify an aid administrator making an adjustment to a student's dependency status based on a unique situation (e.g., human trafficking, refugee or asylee status, parental abandonment, incarceration), more commonly referred to as a dependency override. Students must:
    - Submit the FAFSA.
    - Schedule appointment with the Financial Assistance Office at 775-445-3264.
    - Submit Dependency Override form with required documentation.

Please contact a Financial Aid Advisor to discuss your special circumstance at 775-445-3264.

# Veterans Educational Benefits

The determination of eligibility for veteran educational benefits rests with the Department of Veterans Affairs (VA). The Veterans Certifying Official helps veterans and other eligible students to access their benefits by certifying their enrollment each semester.

# Education Benefit Programs

- **Montgomery GI Bill®(Chapter 30)**
    - Chapter 30 is an educational program for individuals initially entering active duty on or after July 01, 1985 and for certain individuals on active duty before July 01, 1985. Certain other veterans may be eligible under other categories if they were voluntarily or involuntarily separated from the service as a result of a reduction in personnel.
- **Veterans Vocational Rehabilitation Program (Chapter 31)**
    - The VA administers the Vocational Rehabilitation program for veterans who have incurred or aggravated a service connected disability which entitles them to VA disability compensation; and are in need of vocational rehabilitation because their disability creates an employment handicap. Entitlement for vocational rehabilitation services is determined on an individual basis following an evaluation of the veterans interests, aptitudes, education, work experience, and vocational abilities.
- **Post-9/11 GI-Bill® (Chapter 33)**
    - The Post-9/11 GI Bill provides financial support for education and housing to individuals with at least 90 days of aggregate service on or after September 11, 2001, or individuals discharged with a service-connected disability after 30 days. You must have received an honorable discharge to be eligible for the Post-9/11 GI Bill.
- **Montgomery GI Bill® for Select Reserve (Chapter 1606)**
    - Chapter 1606 is an educational program for active members of the Select Reserve. Select Reserve components of the Ready Reserve include the Army Reserve, Naval Reserve, Air Force Reserve, Marine Corps Reserve, Coast Guard Reserve, Army National Guard, and Air National Guard. Chapter 1606 eligibility is determined by the Department of Defense or the Department of Transportation (Coast Guard), not by the VA. Basic eligibility requires a six year obligation to serve in the Select Reserve and Satisfactory participation in required Select Reserve Training.

For a detailed explanation of each of the programs, go to **VA Benefits Page (https://www.benefits.va.gov/gibill/)**.

***NOTE:** "**GI Bill®** is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at **http://www.benefits.va.gov/gibill**."*

## Getting Certified at WNC

If a student wishes to use VA Education Benefits at Western Nevada College, he or she must complete the following steps:

1. Complete the application for VA education benefits. This application can be completed through**VA Benefits Page** (**https://www.benefits.va.gov/gibill/**). After completing the application, if eligible for VA Education Benefits the Department of Veteran Affairs will generate a Certificate of Eligibility and mail to the applicant.
2. Complete the **WNC Application for Admission** (**https://wnc.edu/index.php**) and all required new student steps.
3. Send all transcripts from previous colleges and universities, including military transcripts, to WNC Admissions and Records. Once your transcripts have been sent, you must complete the **Petition for Transfer Credit Evaluation** (**https://wnc.edu/admissions/forms.php**). It is the student's responsibility to have transcripts sent to WNC. If a student does not have this done by the start of their second semester, they will not be certified again until all transcripts have been evaluated.
4. Meet with or contact the WNC VA School Certifying Official, located in the Financial Aid Office (Bristlecone Room 102 or at 775-445-3263). You will be required to submit your Certificate of Eligibility and DD214. You will also be required to complete the **Veterans Data Form (https://wnc.edu/financial/forms.php).**This form must be completed each semester in order to be certified for VA Education Benefits. Financial Aid Staff and the VA School Certifying Official are available to help you complete these requirements.
5. Meet with a counselor, located in Counseling Services (Bristlecone Room 103 or at 775-445-3267). Counselors are available to help students with degree selection, class schedules, and provide career counseling. A counselor signature is required on the **Veterans Data Form** (**https://wnc.edu/financial/forms.php**).
6. Meet with the Veterans Resource Center Director at the Veterans Resource Center (Cedar Room 302A or at 775-445-3302). Learn more about the VRC on their website (**https://wnc.edu/veterans-resource-center/index.php**).

## Veteran Satisfactory Academic Progress Requirements

In order to maintain Veteran Satisfactory Academic Progress (SAP) at Western Nevada College, students must maintain a cumulative GPA of at least 2.0. If a student fails to meet this standard, they will be placed on Academic Probation and VA education benefits may be suspended.

## WNC VA SAP Appeal Process

Students wishing to continue using VA education benefits at WNC while on Academic Probation, must meet with an Academic Counselor and file a VA SAP Appeal E-Form.

- If a student's appeal is approved, the school will resume the normal certification process for the student.
- If the appeal is denied students may continue.to take classes at WNC at their own expense. Once they reach a 2.0 cumulative GPA on their own, they will again qualify for certification of VA Education Benefits.

## Late Fees

Western Nevada College does not penalize students using VA Education benefit programs under Chapters 33 and 31 while waiting for payment from the Department of Veterans Affairs providing they submit a Certificate of Eligibility, a written request to use such entitlement (Veterans Data Form) and any additional information needed to certify enrollment.

Students will continue to have access to all WNC classes and services as outlined in our catalog. No late fees will be assessed and student accounts will be placed on hold to avoid classes being dropped for non-payment. Title 38 USC 3679 (e).

## Veteran Certifiting Official Contact Information

**Veteran Certifying Official - Rebekah Fillippini**
Bristlecone Building, Room 102
2201 West College Parkway, Carson City, NV 89703
rebekah.fillippini**@wnc.edu**
**775-445-3291**

# Veterans Resource Center

The Veterans Resource Center lives by its motto "Veterans Helping Veterans" and is home to many beneficial Veteran programs.

## VRC Services:

- Tutoring Services
- Peer to Peer Mentorship
- Academic Advising
- Veteran Advocacy
- Counseling Services
- Textbook Lending
- VA Benefits Advising
- A quiet place to study
- Computers with internet/printing access
- The home for the student vet club
- Community Resource Information
- Veterans Upward Bound

## VRC Contact

**Veterans Resource Center Director- Deb Conrad**
Cedar Building, Room 302A
2201 West College Parkway, Carson City, NV 89703
**deb.conrad@wnc.edu**
**775-445-3301**

# Fall 2026/Spring 2027 Fees

| | Lower-Division | Upper Division |
|---|---|---|
| Registration Fees | $136.25 | $226.00 per credit |
| Technology Fees | $8.50 per credit | $8.50 per credit |
| Student Association Fee | $3.00 per credit | $3.00 per credit |
| Student Support Activities Fee | $3.00 per credit | $3.00 per credit |
| Academic Success Fee | $25 Flat Fee | |

# Summer 2027 Fees

| | Lower Division | Upper Division |
|---|---|---|
| Registration Fees | $149.00 per credit | $247.50 per credit |
| Technology Fees | $8.50 per credit | $8.50 per credit |
| Student Association Fee | $3.00 per credit | $3.00 per credit |
| Student Support Activities Fee | $3.00 per credit | $3.00 per credit |
| Academic Success Fee | $25 Flat Fee | |

# Additional Fees May be assessed as follows:

**Non-Resident Fees 2026-27**

| | **Lower-Division** | **Upper Division** |
|---|---|---|
| **Non-Resident, part-time** | $149.75 per credit | $248.50 per credit |
| **Non-Resident, full-time (7 credits or more)** | $4775.00 flat fee per semester for lower or upper division | |
| **Non-Resident, WUE** | $68.25 per credit | $113.00 per credit |
| **Non-Resident, Distance Ed Only** | $68.25 per credit | $113.00 per credit |

**Other Course and Differential Fees**
Computer Lab Usage Fee - $10/credit
Web Enhanced Course Fee - $5/course
Online Course Fee - $5/credit
Interactive Video Course Fee - $20/credit
Nursing Differential Fee - $120/credit

**PLEASE NOTE:**

- Fees, tuition and other charges are subject to change without notice. Notwithstanding currently posted tuition and fees, all fees, tuition or other charges which students are required to pay each semester are subject to increase by action of the Board of Regents at any time before the commencement of classes (primarily due to budgetary shortfalls). The amount a student is charged at the time of registration is not a final bill and may be increased.
- Students are responsible for all costs associated with registration, regardless of any communication that may or may not have been received, and regardless of attendance or class participation, unless classes are dropped within the 100 percent refund period.

# High School Dual Enrollment Fees

For the purpose of this section, the term:

- "**Concurrent enrollment**" means a postsecondary course taught at a high school by a high school instructor mutually agreed upon by the NSHE institution and high school.
- "**Dual enrollment**" means a postsecondary course taught by an NSHE instructor on the high school campus or NSHE campus through a formally established dual enrollment program.

| **Fall 2026/Spring 2027** | | |
|---|---|---|
| **TYPE OF COURSE** | **RATE** | **OTHER FEES** |
| Concurrent enrollment courses | $110.00 per **course** | no additional student and/or course fees |
| Dual enrollment courses | $92.00 per **credit** | add technology fee and special course fees (lab fees) |
| Dual enrollment courses where student qualifies for reduced or free lunch (confirmed by school counselor) | $62.50 per **credit** | add technology fee and special course fees (lab fees) |
| Application fee of $15 is waived for all students meeting one of these criteria. | | |

** High School Dual Enrollment fees apply to Fall & Spring semesters only.*

# Explanation of Fees:

## Registration and Technology fees

Registration and technology fees are applied to all credit classes. The fees to audit are the same as the fee to register for credit. The technology fee is used to fund technology needs in computing, information delivery systems and enables WNC to stay abreast of the latest technological developments.

## Academic Success Initiative Fee

Promotes initiatives to enhance student academic success. This flat fee is charged to all students who enroll in one unit or more.

## Student Association Fee

This $3.00 per credit fee supports WNC's student government association, the Associated Students of Western Nevada (ASWN). It funds student organizations, leadership opportunities, scholarships, and essential student association services.

## Student Support Activities Fee

This $3.00 per credit fee supports student activities, enhancing involvement and campus engagement. It funds events and programs that promote student well-being, social activities, and a strong campus community.

## Non-Resident Fees

Students who are classified as non-resident for tuition purposes will pay an additional per unit fee if enrolled for 6 units or less, or an additional flat fee if enrolled in over 6 units during the fall and spring semesters. Non-resident fees are not assessed during summer semesters.

## Non-Resident Western Undergraduate Exchange (WUE)

Through the Western Undergraduate Exchange program, students who are bona fide residents of WUE approved states may enroll at a non-resident reduced tuition level of 150 percent of the college's regular resident tuition. Students must apply for WUE status prior to the start of their first semester (matriculation) at WNC and be approved for the reduced non-resident rate.

## Non-Resident: Distance Education Only

Students classified as out of state residents and enroll exclusively in distance education classes (internet) and reside outside of Nevada during the same semester are charged an additional per unit distance education fee.

## High School Dual Enrollment

Nevada high school students enrolled at WNC in fall or spring semesters do not pay typical registration fees and can attend for a discounted rate.  Please see theHigh School Dual Enrollment section above for rate information.  See a high school or WNC counselor for details.

## Application Fee

All new students who apply for admission are charged a one-time $15 fee when they register for classes. This fee is not deferrable or refundable even if classes are full, dropped, or cancelled.

## Late Registration Fee

Students who register for a full-term class after the second week of the semester must submit late Registration form with instructor permission through the fourth week of the semester. If enrollment is approved a late payment fee of $25 will be assessed. Late enrollment in short-term classes is also subject to a late registration fee.

## Late Payment Plan Fee

Any student with a past due balance may be subject to late payment fees.  Delinquent accounts are assessed a monthly fee of $10 or 10% of the balance, whichever is greater.

## Lab Fee

A lab fee is charged for most laboratory classes and many other classes that require art supplies or other items.

## Computer Use Fee

A $10 per unit fee is charged for classes meeting in a computer lab to cover additional technology costs.

## Web-Enhanced & Online Course Fees

A $5 web fee is charged for all Web-enhanced classes and a $5 per unit online class fee is charged for all web- based and lecture capture classes to cover additional technology costs.

## Interactive Video Course Fee

A lab fee of $20 per unit is charged for receiving sites for interactive video distance education classes to cover technology costs.

## Nursing Differential Fee

Students in the nursing program will be charged a differential fee of $120 per unit for all nursing courses (excluding NURS 130).

## Application for Graduation Fee

A $25 fee is charged to apply for graduation. This fee is non-refundable even if a student does not fulfill graduation requirements.

# Predictable Pricing

Below is the tuition and registration fees for the next three academic years.

| **REGISTRATION FEES** | **2026-27** | **2027-28** | **2028-29** | **2029-30** |
|---|---|---|---|---|
| Lower Division (per credit) | $136.25 | $146.00 | $157.00 | $162.75 |
| Fall & Spring (30 credits) | $4,087.50 | $4,380.00 | $4,710.00 | $4,882.50 |
| Upper Division (per credit) | $226.00 | $244.50 | $265.25 | $274.75 |
| Fall & Spring (30 credits) | $6,780.00 | $7,335.00 | $7,957.50 | $8,242.50 |
| **NON-RESIDENT TUITION** | | | | |
| *Rates are assessed in addition to registration fees* | | | | |
| | **2026-27** | **2027-28** | **2028-29** | **2029-30** |
| Full-time* | $9,550.00/ per year | $10,230.00/ per year | $11,001.00/ per year | $11,397.00/per year |
| ** Full-time non-resident tuition rates are assessed to students enrolled in 7 or more credits.* | | | | |
| Part-time Upper Division (per credit) | $248.50 | $269.00 | $292.00 | $302.25 |
| Part-time Lower Division (per credit) | $149.75 | $160.50 | $172.50 | $179.00 |
| ** Part-time non-resident tuition rates are assessed to students enrolled in fewer than 7 credits* | | | | |
| **DISTANCE EDUCATION** | | | | |
| *Rates are assessed in addition to registration fees* | | | | |
| | **2026-27** | **2027-28** | **2028-29** | **2029-30** |
| Upper Division (per credit) | $113.00 | $122.50 | $132.75 | $137.50 |
| Lower Division (per credit) | $68.25 | $73.00 | $78.50 | $81.50 |
| ** Assessed only to non-resident students who are residing outside of Nevada during the semester in which enrollment in the distance education course(s) occurs.* | | | | |
| **HIGH SCHOOL DUAL ENROLLMENT FEES** | | | | |
| **Concurrent Enrollment Registration Fees** | | | | |
| | **2026-27** | **2027-28** | **2028-29** | **2029-30** |
| Per course | $110.00 | $114.50 | $118.50 | $122.75 |
| ** No additional student and/or special course fees will be assessed.* | | | | |
| **Dual Enrollment Registration Fees** | | | | |
| | **2026-27** | **2027-28** | **2028-29** | **2029-30** |
| Per credit | $92.00 | $95.75 | $99.00 | $102.50 |
| ** Additional fees include: technology fee & special course fees associated with individual courses* | | | | |
| **Dual Enrollment Registration Fees for Free and Reduced Lunch Qualifying Students** | | | | |
| | **2026-27** | **2027-28** | **2028-29** | **2029-30** |
| Per credit | $62.50 | $65.00 | $67.25 | $69.75 |
| ** Additional fees include: technology fee & special course fees associated with individual courses* | | | | |

# Payments

## Fee Deadlines

Fees must be paid by deadlines listed under Dates and Deadlines: **https://wnc.edu/calendar/index.php** .

## Paying by Internet

Pay fees with Visa, MasterCard, Discover or electronic check through the Internet via myWNC. Students should be sure to verify their account balance after submitting their request.

## Paying in Person

Students may pay in-person at the Fallon or Carson City Cashier's Office by cash, check or card.

## Paying by Mail

Make checks payable to Board of Regents. Indicate the student ID number and mail to:

Western Nevada College
Attn: Controller's Office
2201 West College Parkway
Carson City, NV 89703-7399

## Agency Fee Payment

Students must submit the authorization for third party payment to the Cashier's Office by the published fee due dates. Authorizations may be brought in to the Office, faxed to 775-445-3027, or emailed to cashier@wnc.edu.

## Late Registration Fee

A $25.00 late registration fee will be assessed to students who register or add classes during the late registration period. It is the student's responsibility to be aware of important semester dates and deadlines, including registration, refund and fee payment deadlines.

# Payment Plans

WNC offers a three-payment or two-payment plan for any student who is enrolled in the fall and/or spring semester. Students should make payment plan arrangements before making any payments on their account each semester.

**3-Pay Plan:** This plan is available no later than the first payment deadline for the semester and divides the balance owed into three equal installments.

**2-Pay Plan:** This plan is available no later than the second payment deadline for the semester and divides the balance owed into two equal installments.

***Students must sign up for the payment plans and make their first full payment by the payment deadlines: https://events.wnc.edu/***

Payment Plan Notes:

- Enrollment may be cancelled if 100% of the first payment is not made by the published deadlines.
- Students who do not make the second and/or third payment on a payment plan by the published deadlines will be assessed a fee of $10 or 10% of the balance, whichever is greater, and will be responsible for the unpaid plan balance.

# Delinquent Accounts

## Account holds

Student accounts owing more than $200 will be placed on financial hold. Students on hold may not register for classes at any NSHE Institution until the account has been paid in full.

### Enrollment Cancellation

Students who have not paid the required amount by the published due date for the term may have their enrollment cancelled and will be dropped from their classes. Students may re-enroll themselves, but the past due fees must be paid in full at the time of re-enrollment.

### Late Fees

A monthly fee of 10% of the past due balance, or $10 minimum, will be assessed to all students with an unpaid balance.

### Collections

Student accounts owing a balance more than $200 may have their account forwarded to a collection agency after 120 days. Collection or legal fees may be assessed.

### Checks

WNC will not accept postdated or altered checks.

A $25 insufficient funds fee will be assessed for any payment returned as unpaid by the bank for any reason.

Returned checks must be made good within ten days of the bank's notification (cash, cashiers check, or money order only) or the college will begin collections procedures.

# Refund Policy

The college's refund policy applies to students in all programs and to all registration fees for withdrawal or net credit reduction, except for non-credit continuing education courses.

## Non Refundable Fees

- The application fee is not refundable and cannot be transferred to another person or to another fee.

### Standard Semester Refunds

Note: The standard semester is 16 weeks for the fall and spring semesters and eight weeks for the summer semester. The standard semester dates are published in the **Events & Deadlines** section of the WNC website.

Refund of fees for withdrawal from WNC full-term & open-entry classes that meet during **standard semester dates** is:

- **100%** if withdrawal is completed within the first week* of instruction.
- **50%** if withdrawal is completed by the end of the third week of the semester.

** The first week of instruction ends on the Saturday following the first day of the semester. If a semester starts on Tuesday, the first week of instruction ends on the following Monday. For posted deadlines regarding drop dates visit* **Events & Deadlines** *.*

### Non Standard Semester Refunds

*Note: Classes scheduled outside of the standard term, starting earlier and/or after the start of the semester, DO NOT follow standard term refund rules.*

- For non-standard semester classes that are **two weeks or longer**, refund of fees is 100% if withdrawal is complete no later than the first date of class and 50% if withdrawal is complete after the first day and within the first 20% of the class.
- For non-standard semester classes that are **5 days or longer**, refund of fees is 100% if withdrawal is complete no later than the first day of class.
- For non-standard semester classes that meet **less than five days**, refund of fees is 100% if withdrawal is prior to the first day of class.

### Withdrawal after 100% Refund Periods

- Classes dropped by the student after the 100% refund period will remain on a student transcript with a grade of "W".
- A "W" grade does not affect grade point average but may affect financial aid and scholarship eligibility.

### Fee Refunds

- Refund checks for dropped classes are prepared and mailed or sent by e-check weekly starting the third week of the semester.
- Students who pay by credit card in myWNC will have a refund applied to their credit card.
- Refunds are made to the student or to the contributing party (third party) in proportion to the payment of original fees made by each.
- Refunds after published deadlines will not be considered for reasons which are beyond the control of the college. Not attending college, job transfers, changes in work schedule, relocation, etc., will not be considered grounds for refund appeals.

### Refund Appeals

Refund appeals with verifiable evidence may be granted upon official withdrawal from a course(s) for the following reasons:

- Deployment of the student into the United States Armed Forces;
- Death or incapacitation resulting from an illness or injury of the student; or spouse, child, parent, or legal guardian of the student that prevents the student from returning to school for the remainder of the semester;
- Verifiable error on the part of the institution;
- Involuntary job transfer outside the service area of WNC as documented by the employer.

An appeal is made by submission of the Refund Exception Form: **https://wnc.edu/admissions/forms.php**.

*Note: A change in instructional mode before the start of the class or at any time during the duration of the class does not constitute grounds for a refund.*

*In general, no refund is made after the first half of the semester.*

# Direct Deposit of Student Refund Checks

The Controller’s Office offers direct deposit as a more convenient means of providing refund/overage checks to students. Instead of mailing a check, funds are deposited directly into the student’s checking account. Sign up online at myWNC.edu in the finance section of the myWNC Student Center.

# Student Accounting/Cashiers Office is responsible for the following:

The Controller's Office provides a system for financial reporting and accountability of all Western Nevada College and college-related funds and is responsible for collection, disbursement and custody of these funds. The Controller's Office provides a number of services including the following:

- Fee Assessment and Collection
- Financial Aid Disbursements (including scholarships, loans, grants) and Refunds
- Collections
- Sponsored/Third Party Billing

# Other Student Support Services and Programs

Student Support Services & Programs

## College and Career Readiness

For many of our students, improving their basic literacy skills is just the beginning. WNC's College & Career Readiness program focuses on helping students access postsecondary training, explore job opportunities, and fill high-demand positions. Our goal is to help students transition into jobs that offer both a solid career path and a family-sustaining wage. To request more information about our college and career transition options, please contact our office at 775-445-4452.

### Education Services

College Career and Readiness offers a noncredit English Language Learning (ELL) program at Western Nevada College is designed as a series of courses, ranging from Low-Beginning through Advanced levels of English proficiency.

**English Learner Services**

Whether students last attended school recently or many years ago, this program offers free classes to help them earn a high school equivalency credential.

**Adult Education**

### Career & Employer Services

Career services at WNC will provide personalized career counseling, job search support, and professional development resources to help students and alumni achieve their career goals.

**Career Services**

Employer services can connect businesses with talented students and alumni through job postings, career fairs, and networking events.

**Employer Services**

College & Career Readiness
Bristlecone Building, Room 340
2201 West College Parkway, Carson City, NV 89703

Monday Thursday: 8am 8pm | Friday: 8am 5pm
collegeandcareers@wnc.edu | (775) 445-4452

Se habla Español | Mandarin

Student Support Services & Programs

## Age Appropriate Classes & Playgrounds

At the Child Development Center, learning is fun! Infants and toddlers are encouraged in developmental and social skills, while older children experience dance, music, books, science, dramatic play, art and so on. Classes are structured around groups of children who have reached the same age and developmental accomplishments.

Parents find the center to be a resource they can turn to for insight into their child’s development and behavior.

The Child Development Center has two separate playgrounds, one for infants and toddlers and one for preschool children. This assures that children are playing with those of similar physical skills.

### Full Time Tuition Fees

| | Non-Students | WNC Staff | Students | Per |
|---|---|---|---|---|
| **Cubs (6wks-12 mths)** | $299 | $269 | $224 | week |
| **Turtles (12-24 mths)** | $259 | $233 | $194 | week |
| **Bumbles/Bees (24-36 mths)** | $259 | $233 | $194 | week |
| **Rockets/Bears/Wildcats (3-6 years)** | $230 | $207 | $127 | week |

*Registration Fee charged annually: $50.00 Students and WNC Staff and $100.00 non-students.

Student Support Services & Programs

## Career Training Programs

Earn the professional certification you need for the job you want. Many courses are fully online and can be completed in 6 months or less, and financial assistance is available to students who qualify.

## College for Kids

Weeklong kids' camps provide high-quality educational content for kids of all ages. Camps take place on campus and provide exposure to everything a college campus has to offer, with close supervision and small student-to-staff ratios to ensure quality and safety.

## Personal Enrichment Classes

Learn something new and enrich your life. In-person and online options!

## Professional Development Courses

Get the CEUs and professional skills you need to take your career to the next level. Many courses are fully online and can be completed in 24 hours or less. Customized training for businesses and organizations is available!

## Motor Vehicle Safety Programs

### Commercial Driver's License

Our CDL Prep course will provide you with the knowledge and skills to obtain your Commercial Driver’s License in just 5 weeks. Classes are held in Carson City, Fallon, and Winnemucca. Financial assistance is available for most students.

### Motorcycle Safety

Western Nevada College offers motorcycle courses in Carson City for riders of all skill levels. Classes are offered most weekends from March-November.

### Driver Education

Our teen driver education program meets the State of Nevada requirement for anyone under the age of 18 to complete 30 hours of classroom training prior to being awarded a driver's license.

### CONTACT US

**Continuing Education**
Bristlecone Building, Information Desk
2201 West College Parkway, Carson City, NV 89703
**conted@wnc.edu**
**775-445-4210**

Student Support Services & Programs

# Employment Opportunities

Thank you for your interest in employment with Western Nevada College. Below are links to a variety of job opportunities. Choose the type of position that you are seeking, search for jobs, view job announcements, and apply.

Join Western Nevada College! These listings include academic and administrative faculty, part-time faculty and classified staff positions available at Western Nevada College.

## EXTERNAL APPLICANTS

All WNC and Nevada System of Higher Education (NSHE) employees, must apply as an internal candidate through Workday. Log on to Workday and search Find Jobs.

## INTERNAL APPLICANTS

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### Student Employment

For listings of on-campus and tutoring opportunities for students of Western Nevada College please visit our **Student Employment page**.

Student Support Services & Programs

# Library

**Carson Campus Library**
2201 W. College Parkway
Carson City, Nevada 89703
(775) 445-3229

**Fallon Campus Library**
160 Campus Way
Fallon, Nevada 89406
(775) 445-3392

**Research Guides & Help**
The Library provides a range of guides and video tutorials that help students with access to both physical and digital resources as they complete research projects.

**Academic Coaching**
The Academic Coaching Program provides academic support, study skills, and encouragement for WNC students in a wide range of subject areas.

**Borrowing Materials**

The Library has many resources that students can borrow including books, calculators, and much more. A library card is not needed to borrow the resources.

**Chromebooks, Laptops, Computers, Printers, & Copiers**
The Library has Chromebooks that students can borrow and laptops that they can use in the library. Students can also print from library computers and make photocopies in the library.

**Course Reserves**
The Library makes available to students materials that have been placed on reserve by faculty.

**Tutorials**

The Library homepage has many useful video tutorials covering a wide range of topics that will help students and faculty navigate library resources.

**Study Spaces**

The Library has a variety of group and individual study rooms that can be reserved online.

Student Support Services & Programs

# WNC Student Life

WNC Student Life is here to help you thrive in college. We offer a wide range of resources and services to support your personal and professional growth. We ensure a vibrant campus life through engaging events, activities, and leadership opportunities.

# DINI Student Center

The Student Center, located on the first floor of the Joe Dini Library and Student Center Building on the Carson Campus, is a hub for student engagement and activities. It offers study spaces, fitness facilities, and recreational areas. Additionally, it serves as the central location for the Associated Students of Western Nevada student government, providing a space for student leadership and community building.

## Identification Cards

A WNC identification (ID) card provides access to Dini Student Center services, and discounts at local businesses. Faculty, staff and students are eligible for a WNC ID card.

You can obtain your ID card at the Student Center Help Desk on the first floor of the Dini Building on the Carson Campus. A current government-issued ID, such as a driver's license or passport, is required.

Students must be enrolled in at least one credit hour for the current semester to receive a card, and faculty and staff must have employment verified through WNC Human Resources. IDs are valid for the current academic year (July – June)and must be renewed annually.

## Wildcat Commons

The Wildcat Commons at WNC is a welcoming and inclusive space dedicated to celebrating and supporting all students. The center provides resources, programs, and events that promote understanding and appreciation of cultures, identities, and perspectives and aims to foster an inclusive community where all students feel valued and empowered. Whether you seek a place for meaningful discussions, cultural celebrations, or personal support, the Wildcat Commons is here to enhance your college experience.

## Wildcat E-Sport Arena

The Wildcat E-Sports Arena at WNC is a dedicated space for competitive gaming and community events. Outfitted with high-performance gaming PCs, consoles, and peripherals, the arena supports a wide range of e-sports activities. It serves as a venue for tournaments, casual play, and practice sessions, fostering a vibrant gaming community on campus.

### Wildcat E-Sport Arena

The Wildcat Fitness Center, found within the Joe Dini Student Center, is accessible to WNC students, staff, and faculty. It features a variety of cardiovascular equipment, free weights, and a universal weight lifting machine. Students must have a valid Student ID Card and a current Student Activity Sticker to gain entry. Activity stickers can be purchased at the WNC Business Office.

***Fees:***

Fitness Center - $20 per semester for students enrolled in 3 or more credits at WNC

Lockers - $15 per semester for students, faculty, staff with a valid Activity Sticker

Faculty and Staff memberships are also available.

***Hours:***

Fall and Spring Semester Hours:

- Monday – Friday: 8am-5pm

Summer Hours:

- Monday – Thursday:  8am-5pm

Closed on weekends and all major holidays.

## Wildcat Reserve

The Wildcat Reserve, WNC's Food Pantry, provides essential support to students facing food insecurity. Stocked with non-perishable food items, personal hygiene products, and basic necessities, the pantry is available to all students in need. The goal is to ensure that no student goes hungry, enabling them to focus on their academic and personal growth.

## Wildcat Studio

The Wildcat Studio at WNC offers students and faculty a professional space to create high-quality audio content. Equipped with state-of-the-art recording technology and soundproofing, the studio supports projects ranging from academic podcasts to creative audio storytelling. Reservations are required, and training sessions are available for beginners.

For more information, contact the Student Center Help Desk at 775-445-3218.

## University Police Department - Northern Command

**A State-Recognized Law Enforcement Agency:**

The University Police Department Northern Command (UPDNC) is a state-recognized police agency that serves the northern institutions (University of Nevada, Reno, Western Nevada College, Truckee Meadows Community College, Desert Research Institutes, and Great Basin College) of the Nevada System of Higher Education through proactive community involvement, service, protection, and trust.

UPDNC maintains a full-time staff of police officers, uniformed crime investigators, and administrative personnel. University Police are armed, uniformed, and sworn police officers who are certified under the laws of the State of Nevada. They perform the same law enforcement activities as those of municipal, county, and state law enforcement agencies. They enforce all federal, state, and local laws and ordinances within the jurisdiction of the Nevada System of Higher Education.

The UPDNC station at WNC's Main Campus is located in the Bristlecone Building, Room 123.

## Reporting Criminal Actions or Emergencies

***To report a crime in progress or an emergency, dial 911.***

Non-emergency calls can be made to UPDNC at **(775) 230-1952**.

If a crime has already occurred or if you are a victim of a crime on campus, you can easily file a report online. Simply visit **wnc.edu/police** and select "File Police Report" from the menu bar. Alternatively, you can file a report in person at the UPDNC station on campus located in the Bristlecone Building, Room 123.

## WNC Alerts for Closures and Emergencies

In the event of adverse weather or another emergency that affects College operations, the College will communicate to employees and students via

- **Email:** Employees will be contacted using the WNC all college group list. Students will be contacted at their college email address.
- **Social Media:** The college will post updates via our social media platforms including Facebook, Instagram, and X.
- **News Media:** Local news media will carry WNC information on their website or broadcasts.
- **Website:** The college will post a prominent message on the homepage at **wnc.edu**.

**Notifications to Students:**

University Police Department staff often receive requests to deliver messages to students. In accordance with the WNC Security-Related Procedures and Practices Manual, the University Police Department is authorized to make student notifications that are of an emergency or police nature only. University Police Department personnel screen each request by asking relevant questions. Therefore, anyone making such a request is expected to provide some or all of the following information:

- student's social security number
- full name
- college program
- class the student is currently in
- identification of the person making the request
- the reason for the need to notify

# Graduation Information

# Application Deadlines

- Fall Semester – November 1
- Spring Semester – March 1
- Summer Semester – June 15

Applications received after the published deadline may be considered for the following semester.

Each student seeking a degree or a certificate of achievement is required to submit an online Application for Graduation to Admission and Records and pay $25. Students enrolled in their last required class(es) should apply at the beginning of that semester.

Students should type their name on the graduation application exactly as they would like it to appear on their diploma (name must match student records).

***Apply For Graduation***

# Graduation Requirements

## Associate Degree or Certificate of Achievement

A student seeking to obtain a degree or certificate of achievement from Western Nevada College must have satisfied the following requirements:

- **Completed the curriculum requirements for the degree or certificate**. (*See catalog year options for graduation for details on catalog year selection and specific policies.*) Students may not use a combination of catalogs for graduation. This applies to all policies and curricula.

*In some cases, completion of a single course may satisfy requirements in two different areas of an associate degree or certificate of achievement. Students may use a single course to satisfy a general education requirement in addition to a program, subject, core or emphasis requirement. A single course may not be used to satisfy more than one general education requirement, except for the US/Nevada Constitution requirement.*

- **Completed 15 semester college level credits in residence at Western Nevada College for each degree or certificate of achievement**. Challenge examinations, non-traditional credit, or developmental courses (courses numbered below 100) do not count as resident credit.
- **Maintained a minimum WNC cumulative grade point average of 2.0, and a minimum 2.0 grade point average calculated by using all courses, WNC and transfer courses, used to fulfill the degree requirements.**
- **Submitted an Application for Graduation and payment to Admissions and Records by the published deadline.**

## Dual Degrees/Certificates

A student may earn two or more associate degrees or certificates of achievement subsequently or simultaneously provided he/she fulfills all of the following conditions:

1. **Files a separate application for graduation and pays the application fee for each associate degree or certificate** (may use one application and pay one fee if applying for two degrees for the same semester),
2. **Satisfies all of the requirements for each associate degree or certificate**, and
3. **Completes 15 semester college level credits in residence for each associate degree or certificate of achievement**. Challenge examinations, non-traditional credit, or developmental courses (courses numbered below 100) do not count as resident credit.

## Bachelor's Degree

A student wishing to obtain a bachelors degree from Western Nevada College must have satisfied the following requirements:

- **Completed the curriculum requirements for the degree.** The student may select either the catalog year under which he/she initially enrolls in a baccalaureate-level program or the year of graduation. Students may not use a combination of catalogs for graduation. This includes all policies and curriculum.

In the case of NSHE transfer students, exceptions to this policy will be handled by Admissions and Records and the transfer agreement contract process. Whichever catalog is used cannot be more than 10 years old at the time of graduation. Students who fail to complete degree requirements within ten years of their initial enrollment may use the next catalog in effect dating 10 years after the students initial enrollment.

- **Completed 30 semester credits in residence at WNC**. Challenge examinations, non-traditional credit, or developmental courses (courses numbered below 100) do not count as resident credit.
- **Maintained a minimum WNC cumulative grade point average of 2.0, and a minimum 2.0 grade point average calculated by using all courses, WNC and transfer courses, used to fulfill the degree requirements.**
- **Completed a minimum of 40 upper division credits** (numbered 300 or above).
- **Submitted an Application for Graduation and payment to Admissions and Records by the published deadline.**

Additional questions or inquiries should be directed to Admissions and Records at 775-445-3277 or **admissions.records@wnc.edu**

## Catalog Year Options for Graduation:

**Do you know what catalog you should be following for your degree or certificate requirements?**

Requirements for degrees and certificate of achievements can change with each academic catalog. There are specific policies that dictate which catalog and resulting set of degree/certificate requirements you may follow.

Each WNC catalog is effective for the fall, spring and subsequent summer terms. Only the most current catalog is available online.

WNC students have three choices for selecting a catalog year:

1. A student may select the catalog year under which he/she initially enrolls and completes a course.
2. A student may select the catalog year when he/she officially declares a program of study for the first time.
3. A student may select the catalog year under which he/she will complete the curriculum requirements for a degree/certificate and applies for graduation.

There are time limits to the catalog choices, including:

- In no case may students use a catalog which is more than six years old at the time of graduation (ten years for the BAS degree). Students who fail to complete degree/certificate curriculum requirements within six years of their initial enrollment may use the next catalog in effect dating six years after their initial enrollment (ten years for the BAS degree).
- Students applying to the nursing program must follow the catalog in effect at the time the program application is submitted.
- If a degree or major is offered for the first time after a student has enrolled, the student may choose the catalog year in which the degree or major was first offered.

Students who are not sure which catalog year to follow are highly encouraged to meet with a counselor. Counselors can provide students with degree requirements from previous catalog years.

If a program offering a degree or certificate of achievement is discontinued, students will have six years to still obtain the degree or certificate if they are able to fulfill all requirements. WNC will work with students pursuing a discontinued program providing students declared the program as their educational objective and can demonstrate that they were making progress completing course requirements prior to the discontinuation of the program. Once a program has been discontinued, students may no longer declare the program as their educational objective.

Questions about catalog years may be directed to Admissions and Records at 775-445-3277 or **admissions.records@wnc.edu**

***View Past Catalogs***

## Graduation With Honors

Effective summer semester 2022, Students are eligible to graduate with honors based on completion of 30 academic units at Western Nevada College for an associate degree or 60 academic units at Western Nevada College for a bachelors degree, excluding developmental courses.

Grade point average of WNC classes, excluding developmental classes, determines the honors designation:

- 3.90 or higher = Summa Cum Laude
- 3.75 or higher = Magna Cum Laude
- 3.60 or higher = Cum Laude

Units and grades transferred from other institutions or other credit sources will not apply.

# Graduation With Honors at Commencement

For spring commencement, honors that are announced at the ceremony and printed in the commencement program are calculated based on total units and classes completed at WNC prior to the applicable spring semester, including winter session classes. Spring semester classes that start after winter session are not included for honors announcements at commencement. Final honors are calculated after the conclusion of spring semester and commencement and posted on graduates transcripts.

Honors medals on neck ribbons will be provided to Honors eligible graduates as they check in at commencement.

# Commencement

**Spring 2027 Commencement Ceremony**

Western Nevada College is proud of the accomplishments of our graduates and will plan a ceremony to celebrate their achievements. Information and dates will be announced by March of 2027. All graduating students are encouraged to participate in commencement ceremonies. Associate degrees and certificates of achievement are conferred for graduates from the spring semester and the summer and fall semesters preceding the spring semester ceremonies. Invitations are emailed to qualified students.

# Caps and Gowns

The tassel, cap and gown package may be purchased online before the ceremony; they will not be available at the ceremonies. Information will be provided with the invitations.

# Diplomas

Students should type their name on the graduation application exactly as they would like it to appear on their diploma (name must match student records).

Successfully completed degrees/certificates will be posted to students official transcripts within approximately 12 weeks after the end of the graduating semester in which the application was filed. Printed diplomas will be mailed to the student at the address indicated on the graduation application approximately **14-16** weeks after the end of the semester of application.

Additional questions or inquires should be directed to Admissions and Records at 775-445-3277 or **admissions.records@wnc.edu**

# Students Continuing after Graduating

Students who continue taking classes at WNC after a degree or certificate is finalized should be aware that their degree status will be changed to non-degree seeking.

Students who plan to strive towards a different degree or certificate should declare this by submitting an online **Degree Program Change form** to Admissions and Records after the semester of their graduation date has ended.

This is especially important for students applying for financial aid; failure to declare a new degree could result in revocation of financial aid funds.

# Academic Divisions

Academic Divisions

## Liberal Arts and Sciences

At WNC, students can complete the first two years of a bachelor's degree and transfer to a 4-year college or university with junior status. Students may select a course of study that enables them to complete some or all of the lower division requirements for a four-year degree at many colleges or universities including the University of Nevada, Reno; University of Nevada, Las Vegas; Nevada State College; and schools in other states.

The WNC Liberal Arts and Sciences Division manages three transfer degree options: Associate of Arts, Associate of Science, and Associate of Applied Science - Deaf Studies. The Associate of Arts and Associate of Science degree programs are designed for convenient transfer to a wide variety of four-year programs. Students will complete 24 to 27 credits of transfer level general education and will be able to tailor the remaining 33 to 36 credits to begin meeting program and four-year required courses. For those interested in a more specialized path, the Associate of Applied Science - Deaf Studies degree program will prepare students for a variety of careers including teaching, social work, psychology, speech and language pathology, or any career that interacts with the deaf community.

For students who are not interested in university transfer, the WNC Associate of General Studies provides maximum flexibility in a two year degree that can be tailored to meet a wide variety of educational goals.

## Prepare for these areas of Study

Please contact counselors or faculty advisers for transfer agreements for the following programs:

- Accounting
- Accounting Information Systems
- Agriculture Science
- American Sign Language
- Animal Science
- Anthropology
- Art
- Art History
- Astronomy
- Atmospheric Science
- Biochemistry & Molecular
- Biology
- Biomedical Engineering
- Biotechnology
- Business
- Business Administration
- Chemical Engineering
- Chemistry
- Civil Engineering
- Communication Studies
- Community Health Sciences
- Computer Science & Engineering
- Counseling & Educational
- Criminal Justice
- Deaf Studies
- Ecohydrology
- Economics
- Education
- English
- Electrical Engineering
- Engineering Physics
- Environmental Engineering
- Environmental Science
- Finance
- Forest Management & Ecology
- French
- General Studies
- Geography
- Geological Engineering
- Geology
- Geophysics
- History
- Human Development & Family Studies
- Hydrogeology
- Information Systems
- Integrated Elementary
- Teaching
- International Affairs
- International Business
- Journalism
- Management
- Materials Science &
- Engineering
- Mathematics
- Marketing
- Medicine
- Mechanical Engineering
- Metallurgical Engineering
- Mining Engineering
- Molecular Biology/Immunology
- Music
- Music Education
- Music: Applied (Instrumental, Jazz, Voice)
- Natural Resources & Environmental Science
- Neuroscience
- Nutrition
- Nursing
- Philosophy
- Physics
- Political Science
- Psychology
- Rangeland Ecology & Management
- Renewable Energy
- Secondary Education (Nevada Teach)
- Social Work
- Sociology
- Spanish
- Speech Pathology
- Theatre
- Veterinary Science
- Wildlife Ecology & Conservation
- Women’s Studies

**NOTE: All courses to be counted toward AA, AB or AS degrees must be university transferable. Courses with a number under 100 (such as ENG 95) are not applicable toward the associate degree.**

**Courses that are not transferable are indicated with a nontransferable course attribute in the myWNC course catalog. A maximum of six units of special topics classes in one subject area may apply toward any WNC degree. See an academic advisor for the most current information about transferring to another institution.**

Academic Divisions

# Nursing and Allied Health

The Nursing and Allied Health Division at WNC offers an Associate of Applied Science Degree (AAS) in Nursing and courses in Laboratory Technician (LTE). The mission of the division is to prepare students for transfer to four-year colleges and/or to provide them with the knowledge they need for their careers.

- **Registered Nursing**
- **Laboratory Technician**

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**Many of our clinical sites require students to be fully vaccinated for COVID-19 as well as Influenza during the flu season (Oct 1-May 31) in order to be on-site at their clinical organizations. Exemptions are at the discretion of the clinical site organizations.**

## Enrollment Process

**Please note that the process for enrolling in LTE classes *may take up to four weeks* to complete due to immunization and other requirements.** Please begin the enrollment process early.

Nursing program classes are conducted at both the **Carson City** and **Fallon** campuses.

- Choose and print the appropriate Immunization Checklist below for the class you want to take.

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## Health Insurance

Students enrolled in the following courses/programs are required to carry major medical health insurance:

- **Associate Degree Nursing Program:**For more information about admission into the nursing program, visit the **Nursing Program Degree page**

It is the responsibility of the student to maintain major medical insurance while enrolled in these courses/program. The students failure to maintain major medical health insurance while enrolled in these courses/program will result in the students administrative dismissal from the course/program. ***Immunizations must be kept up to date.***

## Immunization Checklists

**Laboratory Technician (LTE) Immunization Checklist and Documents**

The Associate Degree of Nursing program at Western Nevada College meets the state education requirements for a registered nursing license in the state of Nevada. Western Nevada College has not determined if the Associate Degree of Nursing program at Western Nevada College meets the state education requirements in any other state, any U.S. Territory, or the District of Columbia.

## Nevada Nurse Practice Act

- **https://www.leg.state.nv.us/NRS/NRS-632.html**
- **https://www.leg.state.nv.us/NAC/NAC-632.html**

## Accreditation

The WNC nursing program is fully accredited by the **Accreditation Commission for Education in Nursing**. The Accreditation Commission for Education in Nursing is located at:

3343 Peachtree Road NE, Suite 850
Atlanta, Georgia 30326
(404) 975-5000

Academic Divisions

# Workforce, Career & Technical Education

The Workforce, Career & Technical Education (WCTE) division at WNC offers a Bachelor of Applied Science degree, Associate of Applied Science degrees, certificates of achievement, certification and licensing preparation, and special academic programs. The mission of the division is to help students earn a four-year degree, prepare students for transfer to four-year colleges and/or to provide them with the knowledge they need for their careers.

WCTE Programs Include:

| | |
|---|---|
| **Advanced Manufacturing**<br>**Automotive Technology**<br>**Business**<br>**Computer Information Technology**<br>**Construction Management**<br>**Criminal Justice** | **Emergency Medical Services**<br>**Education**<br>**Fire Science Technology**<br>**Graphic Design**<br>**Machine Tool Technology**<br>**Management**<br>**Welding** |

# Liberal Arts & Sciences Department

## Liberal Arts and Sciences

At WNC, students can complete the first two years of a bachelor's degree and transfer to a 4-year college or university with junior status. Students may select a course of study that enables them to complete some or all of the lower division requirements for a four-year degree at many colleges or universities including the University of Nevada, Reno; University of Nevada, Las Vegas; Nevada State College; and schools in other states.

The WNC Liberal Arts and Sciences Division manages three transfer degree options: Associate of Arts, Associate of Science, and Associate of Applied Science - Deaf Studies. The Associate of Arts and Associate of Science degree programs are designed for convenient transfer to a wide variety of four-year programs. Students will complete 24 to 27 credits of transfer level general education and will be able to tailor the remaining 33 to 36 credits to begin meeting program and four-year required courses. For those interested in a more specialized path, the Associate of Applied Science - Deaf Studies degree program will prepare students for a variety of careers including teaching, social work, psychology, speech and language pathology, or any career that interacts with the deaf community.

For students who are not interested in university transfer, the WNC Associate of General Studies provides maximum flexibility in a two year degree that can be tailored to meet a wide variety of educational goals.

## Prepare for these areas of Study

Please contact counselors or faculty advisers for transfer agreements for the following programs:

- Accounting
- Accounting Information Systems
- Agriculture Science
- American Sign Language
- Animal Science
- Anthropology
- Art
- Art History
- Astronomy
- Atmospheric Science
- Biochemistry & Molecular
- Biology
- Biomedical Engineering
- Biotechnology
- Business
- Business Administration
- Chemical Engineering
- Chemistry
- Civil Engineering
- Communication Studies
- Community Health Sciences
- Computer Science & Engineering
- Counseling & Educational
- Criminal Justice
- Deaf Studies
- Ecohydrology
- Economics
- Education
- English
- Electrical Engineering
- Engineering Physics
- Environmental Engineering
- Environmental Science
- Finance
- Forest Management & Ecology
- French
- General Studies
- Geography
- Geological Engineering
- Geology
- Geophysics
- History
- Human Development & Family Studies
- Hydrogeology
- Information Systems
- Integrated Elementary
- Teaching
- International Affairs
- International Business
- Journalism
- Management
- Materials Science &
- Engineering
- Mathematics
- Marketing
- Medicine
- Mechanical Engineering
- Metallurgical Engineering
- Mining Engineering
- Molecular Biology/Immunology
- Music
- Music Education
- Music: Applied (Instrumental, Jazz, Voice)
- Natural Resources & Environmental Science
- Neuroscience
- Nutrition
- Nursing
- Philosophy
- Physics
- Political Science
- Psychology
- Rangeland Ecology & Management
- Renewable Energy
- Secondary Education (Nevada Teach)
- Social Work
- Sociology
- Spanish
- Speech Pathology
- Theatre
- Veterinary Science
- Wildlife Ecology & Conservation
- Women’s Studies

**NOTE: All courses to be counted toward AA, AB or AS degrees must be university transferable. Courses with a number under 100 (such as ENG 95) are not applicable toward the associate degree.**

**Courses that are not transferable are indicated with a nontransferable course attribute in the myWNC course catalog. A maximum of six units of special topics classes in one subject area may apply toward any WNC degree. See an academic advisor for the most current information about transferring to another institution.**

# Programs

# AA - Associate of Arts

## General

### Catalog Display Name
Associate of Arts

### Catalog Full Description
The Associate of Arts degree is for students planning to transfer with junior standing to a four-year college or university for a bachelors degree.

**This degree allows early choices for those planning a professional life in art, communication, education, history, psychology, social sciences, social work or a related field.**

### Mission
The mission of the Associate of Arts degree program is to provide the academic knowledge and skills for successful transfer to meet higher education goals.

### Simple Requirements

**Program Requirements**

**Liberal Arts Requirement (6 credits)**

**Type**
Completion Requirement

**Additional Comments:**
*Choose any transferable course numbered 200 or higher. (*AM 141, 147, 148 are also accepted.)

**General Education Requirements**

**General Education Requirements (27-32 credits)**

**Type**
Completion Requirement

English/Communication (6-8 credits)

**Earn at least 6 credits from the following:**
- ENG100 - Composition - Enhanced
  **OR** ENG101 - Composition I
- ENG102 - Composition II

Fine Arts (3 credits)

**Earn at least 3 credits from the following:**
- ART100 - Visual Foundations
- ART101 - Drawing I
- ART124 - Beginning Printmaking
- ART135 - Darkroom Photography I
- ART141 - Introduction to Digital Photography I
- ART160 - Art Appreciation
- ART211 - Ceramics I
- ART214 - Introduction to Book Art: Intersection of Art and Design
- ART231 - Painting I
- ART260 - Survey Art History I
- ART261 - Survey of Art History II
- ENG261 - Introduction to Poetry
- HIST203 - History of Television
- HUM101 - Introduction to Humanities
- MUS121 - Music Appreciation
- MUS124 - History of the American Musical Theater
- MUS125 - History of Rock Music
- MUS176 - Musical Theatre Practicum I
- MUSE101 - Concert Choir
- MUSE131 - Jazz Ensemble
- MUSE135 - Jazz Vocal Ensemble
- THTR100 - Introduction to Theater
- THTR105 - Introduction to Acting I
- THTR180 - Cinema as Art & Communication

*Some courses may not meet the fine arts requirement at all universities. Please see an advisor.*

Humanities (3 credits)

**Earn at least 3 credits from the following:**
- CH201 - Ancient and Medieval Cultures
- CH202 - The Modern World
- CH212 - Science, Technology, and Society in the Modern Era
- ENG200 - Novels Into Film
- ENG223 - Themes of Literature
- HIST105 - European Civilization to 1648
- HIST106 - European Civilization Since 1648
- HIST207 - Discover Nevada
- HIST208 - World History I
- HIST209 - World History II
- HIST247 - Introduction to the History of Mexico
- HGPS201 - Concepts in Holocaust, Genocide and Peace Studies
- PHIL101 - Introduction to Philosophy
- PHIL135 - Introduction to Ethics
- PHIL200 - Judeo-Christian Tradition
- PHIL203 - Introduction to Existentialism
- PHIL204 - Introduction to Contemporary Philosophy
- PHIL207 - Introduction to Political Philosophy
- PHIL210 - World Religions
- PHIL224 - Science, Mind, and Philosophy
- PHIL245 - Contemporary Moral Issues

***UNR transfer students, choose at least one of the following courses:***

Core Humanities: 201, 202

History: 105, 106

Philosophy: 200, 207, 245

Mathematics (3 credits)

**Earn at least 3 credits from the following:**
- MATH120 - Fundamentals of College Mathematics
- MATH124 - College Algebra
- MATH126 - Precalculus I
- MATH127 - Precalculus II
- MATH128 - Precalculus and Trigonometry
- MATH176 - Introductory Calculus for Business & Social Sciences
- MATH181 - Calculus I
- MATH182 - Calculus II
- STAT152 - Introduction to Statistics

Science (6 credits)

**Earn at least 6 credits from the following:**
- ANTH102 - Introduction to Biological Anthropology
- ANTH110L - Biological Anthropology Lab
- AST109 - Planetary Astronomy
- AST110 - Stellar Astronomy
- AST120 - Introduction to Astrobiology

- BIOL100 - General Biology for Non-Science Majors
- BIOL113 - Life in the Oceans
- BIOL190 - Intro to Cell & Molecular Biology
- BIOL191 - Introduction to Organismal Biology
- BIOL200 - Elements of Human Anatomy & Physiology
- CHEM100 - Molecules and Life in the Modern World
- CHEM121 - General Chemistry I
- CHEM122 - General Chemistry II
- ENV100 - Humans and Environment
- ENV101 - Introduction to Environmental Science
- GEOG103 - Physical Geography of Earth's Environment
- GEOG104 - Physical Geography Laboratory
- GEOG116 - Oceanography
- GEOG121 - Climate Change and Its Environmental Impacts
- GEOL100 - Earthquakes, Volcanoes, and Natural Disasters
- GEOL101 - Exploring Planet Earth
- GEOL102 - Earth and Life Through Time
- GEOL105 - Introduction to Geology of National Parks
- GEOL201 - Geology of Nevada
- NUTR121 - Human Nutrition
- PHYS100 - Introductory Physics
- PHYS151 - General Physics I
- PHYS152 - General Physics II
- PHYS180 - Physics for Scientists and Engineers I
  **AND** PHYS180L - Physics for Scientists and Engineers Lab I

*Note: Choose 6 units from course list above.*

*Completion of CHEM 121 or BIOL 190, BIOL 223 and BIOL 224, and BIOL 251 will also fulfill the science general education requirement.*

Social Sciences (3 credits)

**Earn at least 3 credits from the following:**

- ANTH101 - Introduction to Cultural Anthropology
- ANTH201 - Peoples & Cultures of the World
- ANTH202 - Archaeology
- ANTH215 - Introduction to Faith Witchcraft & Magic
- CH203 - American Experience & Constitutional Change
- CRJ104 - Introduction to the Administration of Justice
- ECON100 - Introduction to Economics
- ECON102 - Principles of Microeconomics
- ECON103 - Principles of Macroeconomics
- FIN101 - Personal Finance
- GEOG106 - Introduction to Cultural Geography
- GEOG200 - World Regional Geography
- HIST101 - U.S. History to 1877
- HIST102 - U.S. History Since 1877
- HIST111 - Survey of U.S. Constitutional History
- HIST217 - Nevada History
- JOUR103 - Introduction to Media and Society
- PSC101 - Introduction to American Politics
- PSC103 - Principles of American Constitutional Government
- PSC208 - Survey of State & Local Government
- PSC231 - Introduction to International Relations
- PSY101 - General Psychology
- PSY102 - Psychology of Personal/Social Adjustment
- PSY233 - Child Psychology
- PSY234 - Psychology of Adolescence
- PSY240 - Introduction to Research Methods
- PSY257 - Introduction to Positive Psychology
- PSY261 - Introduction to Social Psychology
- SOC101 - Principles of Sociology

U.S. & Nevada Constitution (3-6 credits)

**Earn at least 3 credits from the following:**

- CH203 - American Experience & Constitutional Change
- HIST101 - U.S. History to 1877
  **AND** HIST102 - U.S. History Since 1877
- HIST101 - U.S. History to 1877
  **AND** HIST217 - Nevada History
- HIST101 - U.S. History to 1877
  **AND** PSC100 - Nevada Constitution
- HIST101 - U.S. History to 1877
  **AND** PSC208 - Survey of State & Local Government
- HIST111 - Survey of U.S. Constitutional History
- PSC101 - Introduction to American Politics
- PSC103 - Principles of American Constitutional Government

Must meet both requirements.

**Additional Comments:**

**General Electives**

**Transfer Requirements or General Electives (22-27 credits)**

**Type**
Completion Requirement

**Additional Comments:**
Choose any transferable course. Students should utilize this area to take courses that meet requirements for their major at their intended transfer school. Those who have not yet selected a major may choose from among any university transferable courses to explore their options. Students planning to transfer to the University of Nevada, Reno should obtain a transfer agreement from WNC Counseling Services or the UNR Transfer Center.

*Courses designated as non-transferable to Nevada System of Higher Education Universities and courses numbered below 100 (such as ENG 98) are not applicable toward an Associate of Arts degree.*

## Learning Outcomes

### Learning Outcomes

Learning outcomes are not integrated with Peoplesoft and exist as a "Coursedog Only" element.

**Program Learning Objective**
Meet the institutional student learning outcomes (1-6).

**Program Learning Objective**
Identify, describe and apply information, theories, methodologies and approaches from social sciences, humanities, or arts.

**Program Learning Objective**
Produce effective projects, papers, and reports.

**Program Learning Objective**
Integrate knowledge and skills from the study of social sciences, humanities, or arts to think critically about and develop solutions to contemporary or enduring problems.

**Program Learning Objective**
Be prepared to succeed at a transfer institution.

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

| Year One | | | |
|---|---|---|---|
| **Suggested Course Sequence** | | | |
| **First Semester** | **Units** | **Second Semester** | **Units** |
| ENG 100 or 101 | 3-5 | ENG 102 | 3 |
| Social Science | 3 | U.S./Nevada Constitution | 3 |
| General Elective | 3 | Fine Arts | 3 |
| Mathematics | 3 | Humanities | 3 |
| Science | 3-4 | Science | 3 |
| **Third & Fourth Semester** | | | |
| Take courses that meet requirements for the major at intended transfer school. | | | |

# AGS - Associate of General Studies

## General

### Catalog Display Name
Associate of General Studies

### Catalog Full Description
The Associate of General Studies is intended as an exploratory and terminal degree, not to be used as a transfer degree; however, credits earned under the degree may transfer to 4-year institutions. It is recommended that anyone planning to apply these credits for transfer consult their intended transfer institution for appropriate curriculum planning.

A maximum of six units of special topics classes in one subject area may apply toward any WNC degree. In some cases, courses may not transfer to other Nevada community colleges and Nevada State College or other colleges and universities. See a WNC counselor for the latest transfer information. Courses with a number under 100 (such as ENG 95) are not applicable toward an Associate of General Studies degree.

**This degree provides academic exploration for those seeking personal growth or professional advancement. Military credits can qualify for up to 45 units toward this degree.**

### Mission
The purpose of the Associate of General Studies degree is to provide academic knowledge and skills for personal growth, and/or professional advancement.

### Simple Requirements

**General Education Requirements**

**General Education (21 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

***Must include a three-credit writing course.***

**Earn at least 6 credits from the following:**

- AGS English/Communications

Business: 107, 108
Communication: 101, 102, 113, 215
Criminal Justice: 103
English
Journalism: 201
Reading

**Writing Courses:**

Business: 108
English: 100, 101, 102, 107 or any other 200-level English class

Fine Arts & Humanities (3 credits)

**Earn at least 3 credits from the following:**

- AGS Fine Arts and Humanities

American Sign Language
Art
Core Humanities: 201, 202, 212
Crafts
English: 190, 200, 223, 243, 250, 252, 261, 267, 271, 282, 297
Foreign Languages
Graphic Design

History: 105, 106, 203, 207, 208, 209, 247
Holocaust, Genocide & Peace Studies: 201
Humanities: 101
Music
Philosophy (except for PHIL 102, 114)
Theatre: 100, 105, 180

Mathematics (3 credits)

**Earn at least 3 credits from the following:**

- AGS Mathematics

Business: 115
Economics: 261, 262
Mathematics
Sociology: 210
Statistics: 152

Science (3 credits)

**Earn at least 3 credits from the following:**

- AGS & AAS Science

Anthropology: 102, 110L
Astronomy: 109, 110, 120
Atmospheric Sciences: 117
Biology (except for BIOL 208, 223, 224, 251)
Chemistry (except for CHEM 220, 241, 241L, 242, 242L)
Emergency Medical Services: 205
Environmental Studies
Geography: 103, 104, 116, 121
Geology: (except for GEOL 111, 112, 113, 299)
Nutrition: 121
Physics (except for PHYS 293)

Social Science (3 credits)

**Earn at least 3 credits from the following:**

- AGS Social Science

Anthropology: 101, 201, 202, 210, 212, 215
Core Humanities: 203
Criminal Justice
Economics: 100, 102, 103
Finance: 101
Geography: 106, 200
History: 101, 102, 111, 217, 295
Journalism: 103
Political Science
Psychology (except for PSY 210)
Sociology (except for SOC 210)

U.S. & Nevada Constitution (3-6 credits)

**Earn at least 3 credits from the following:**

- U.S. & Nevada Constitution

**Must meet both requirements. Choose from:**
Core Humanities: 203
History: 111
History: 101 **and one of the following**:
*HIST 102, HIST 217, PSC 100, PSC 208*
Political Science: 101, 103

**General Electives**

**General Electives (36-39 credits)**

**Type**
Completion Requirement

**Additional Comments:**
**36-39 credits**
Students may choose from any occupational or general education courses to be used as electives for this degree. Some non-traditional credit approved by Admissions and Records may be applicable to satisfy course requirements for occupational degrees, while other such units may be used as electives for the AGS and AAS degrees only. Students planning to transfer to the University of Nevada, Reno should use the UNR core curriculum guide to satisfy general education requirements.

**Any 200 level courses from any area: 6 Units**
200 level courses used for this requirement may also be used to fulfill general education or general elective requirements.

## Learning Outcomes

### Learning Outcomes

Learning outcomes are not integrated with Peoplesoft and exist as a "Coursedog Only" element.

**Program Learning Objective**
Meet the general education student learning outcomes.

**Program Learning Objective**
Succeed at the professional, academic, and personal goals the AGS serves.

**Program Learning Objective**
Demonstrate knowledge of the subject matter appropriate to their fields of study.

# AS - Associate of Science

## General

### Catalog Display Name
Associate of Science

### Catalog Full Description
The Associate of Science degree is designed for students who intend to transfer with junior status to a four-year college or university for a bachelor of science degree.

This degree allows early choices for those planning a professional career in mathematics, science, engineering, technology, medicine, agriculture or related field.

### Mission
The mission of the Associate of Science Degree Program is to provide the academic knowledge and skills for successful transfer to meet higher education goals.

### Simple Requirements

**Program Requirements**

**A minimum of 18 credits chosen from the following:**

**Mathematics (6 credits)**

**Type**
Completion Requirement

Mathematics (6 credits)

**Earn at least 6 credits from the following:**

- MATH126 - Precalculus I
- MATH127 - Precalculus II
- MATH128 - Precalculus and Trigonometry
- MATH176 - Introductory Calculus for Business & Social Sciences
- MATH181 - Calculus I
- MATH182 - Calculus II
- MATH283 - Calculus III
- MATH285 - Differential Equations
- MATH330 - Linear Algebra
- STAT152 - Introduction to Statistics

**Science (12 credits)**

**Type**
Completion Requirement

Science: Group A (8-12 credits)

**Students must choose a minimum of 8 units from Group A.**

**Earn at least 8 credits from the following:**

- ANTH102 - Introduction to Biological Anthropology **AND** ANTH110L - Biological Anthropology Lab
- BIOL190 - Intro to Cell & Molecular Biology
- BIOL191 - Introduction to Organismal Biology
- BIOL251 - General Microbiology
- CHEM121 - General Chemistry I
- CHEM122 - General Chemistry II
- GEOL101 - Exploring Planet Earth
- GEOL102 - Earth and Life Through Time
- GEOG103 - Physical Geography of Earth's Environment **AND** GEOG104 - Physical Geography Laboratory
- GEOG121 - Climate Change and Its Environmental Impacts
- PHYS151 - General Physics I
- PHYS152 - General Physics II
- PHYS180 - Physics for Scientists and Engineers I **AND** PHYS180L - Physics for Scientists and Engineers Lab I
- PHYS181 - Physics for Scientists and Engineers II **AND** PHYS181L - Physics for Science and Engineers Lab II
- PHYS182 - Physics for Scientists and Engineers III **AND** PHYS182L - Physics for Scientists and Engineers Lab III

Science: Group B (0-4 credits)

Choose up to 4 credits from the following:

**Complete ANY of the following Courses:**

- AST109 - Planetary Astronomy
- AST110 - Stellar Astronomy
- AST120 - Introduction to Astrobiology
- ATMS117 - Meteorology
- BIOL200 - Elements of Human Anatomy & Physiology
- BIOL223 - Human Anatomy and Physiology I
- BIOL224 - Human Anatomy and Physiology II
- CHEM220 - Introductory Organic Chemistry
- CS135 - Computer Science I
- CS202 - Computer Science II
- ENGR100 - Introduction to Engineering Design
- ENV100 - Humans and Environment
- ENV101 - Introduction to Environmental Science
- GEOG116 - Oceanography
- GEOL105 - Introduction to Geology of National Parks
- GEOL201 - Geology of Nevada
- ME241 - Mechanical Engineering: Statics
- ME242 - Dynamics

**Additional Comments:**
*Note: Completion of the Associate of Science program requirements fulfills the respective mathematics and science general education requirements.*

**General Education Requirements**

**A minimum of 18-23 credits chosen from the following:**

**General Education Requirements (18-23 credits)**

**Type**
Completion Requirement

English/Communications (6-8 credits)

**Earn at least 6 credits from the following:**

- ENG100 - Composition - Enhanced **OR** ENG101 - Composition I
- ENG102 - Composition II

Fine Arts (3 credits)

**Earn at least 3 credits from the following:**

- ART100 - Visual Foundations
- ART101 - Drawing I
- ART124 - Beginning Printmaking
- ART135 - Darkroom Photography I
- ART141 - Introduction to Digital Photography I
- ART160 - Art Appreciation
- ART211 - Ceramics I

- ART214 - Introduction to Book Art: Intersection of Art and Design
- ART231 - Painting I
- ART260 - Survey Art History I
- ART261 - Survey of Art History II
- ENG261 - Introduction to Poetry
- HIST203 - History of Television
- HUM101 - Introduction to Humanities
- MUS121 - Music Appreciation
- MUS124 - History of the American Musical Theater
- MUS125 - History of Rock Music
- MUS176 - Musical Theatre Practicum I
- MUSE101 - Concert Choir
- MUSE131 - Jazz Ensemble
- MUSE135 - Jazz Vocal Ensemble
- THTR100 - Introduction to Theater
- THTR105 - Introduction to Acting I
- THTR180 - Cinema as Art & Communication

** Some courses may not meet the fine arts requirement at all universities. Please see an advisor.*

Humanities (3 credits)

**Earn at least 3 credits from the following:**

- CH201 - Ancient and Medieval Cultures
- CH202 - The Modern World
- CH212 - Science, Technology, and Society in the Modern Era
- ENG200 - Novels Into Film
- ENG223 - Themes of Literature
- HIST105 - European Civilization to 1648
- HIST106 - European Civilization Since 1648
- HIST207 - Discover Nevada
- HIST208 - World History I
- HIST209 - World History II
- HIST247 - Introduction to the History of Mexico
- HGPS201 - Concepts in Holocaust, Genocide and Peace Studies
- PHIL101 - Introduction to Philosophy
- PHIL135 - Introduction to Ethics
- PHIL200 - Judeo-Christian Tradition
- PHIL203 - Introduction to Existentialism
- PHIL204 - Introduction to Contemporary Philosophy
- PHIL207 - Introduction to Political Philosophy
- PHIL210 - World Religions
- PHIL224 - Science, Mind, and Philosophy
- PHIL245 - Contemporary Moral Issues

***UNR transfer students, choose at least one of the following courses:***
*Core Humanities: 201, 202*
History: 105, 106
Philosophy: 200, 207, 245

Mathematics

**See Program Requirements**

Science

**See Program Requirements**

Social Sciences (3 credits)

**Earn at least 3 credits from the following:**

- ANTH101 - Introduction to Cultural Anthropology
- ANTH201 - Peoples & Cultures of the World
- ANTH202 - Archaeology
- ANTH215 - Introduction to Faith Witchcraft & Magic
- CH203 - American Experience & Constitutional Change
- CRJ104 - Introduction to the Administration of Justice
- ECON100 - Introduction to Economics
- ECON102 - Principles of Microeconomics
- ECON103 - Principles of Macroeconomics
- FIN101 - Personal Finance
- GEOG106 - Introduction to Cultural Geography
- GEOG200 - World Regional Geography
- HIST101 - U.S. History to 1877
- HIST102 - U.S. History Since 1877
- HIST111 - Survey of U.S. Constitutional History
- HIST217 - Nevada History
- JOUR103 - Introduction to Media and Society
- PSC101 - Introduction to American Politics
- PSC103 - Principles of American Constitutional Government
- PSC208 - Survey of State & Local Government
- PSC231 - Introduction to International Relations
- PSY101 - General Psychology
- PSY102 - Psychology of Personal/Social Adjustment
- PSY233 - Child Psychology
- PSY234 - Psychology of Adolescence
- PSY240 - Introduction to Research Methods
- PSY257 - Introduction to Positive Psychology
- PSY261 - Introduction to Social Psychology
- SOC101 - Principles of Sociology

U.S. & Nevada Constitution (3-6 credits)

**Earn at least 3 credits from the following:**

- CH203 - American Experience & Constitutional Change
- HIST101 - U.S. History to 1877
  **AND** HIST102 - U.S. History Since 1877
- HIST101 - U.S. History to 1877
  **AND** HIST217 - Nevada History
- HIST101 - U.S. History to 1877
  **AND** PSC100 - Nevada Constitution
- HIST101 - U.S. History to 1877
  **AND** PSC208 - Survey of State & Local Government
- HIST111 - Survey of U.S. Constitutional History
- PSC101 - Introduction to American Politics
- PSC103 - Principles of American Constitutional Government

Must meet both requirements.

**General Electives**

**Transfer Requirement or General Electives (19-24 credits)**

**Type**
Completion Requirement

Transfer Requirement or General Electives (19-24 credits)

**Choose a minimum of 19-24 credits of any transferable course.**
Choose any transferable course. Students should utilize this area to take courses that meet requirements for their major at their intended transfer school. Those who have not yet selected a major may choose from among any university transferable courses to explore their options. Students planning to transfer to the University of Nevada, Reno should obtain a transfer agreement from WNC Academic Advising & Access or the UNR Transfer Center.

## Learning Outcomes

### Learning Outcomes

Learning outcomes are not integrated with Peoplesoft and exist as a "Coursedog Only" element.

**Program Learning Objective**
Meet the institution student learning outcomes.

**Program Learning Objective**
Demonstrate the ability to identify the fundamental tenets of scientific inquiry.

**Program Learning Objective**
Present accurate calculations and symbolic operations, and explain how such calculations and operations are used in the sciences, mathematics, or engineering.

**Program Learning Objective**
Use critical thinking and creativity to select and apply recognized experimental or observational techniques suitable for examining contemporary or enduring problems in the sciences.

**Program Learning Objective**
Be prepared to succeed at a transfer institution.

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

| Year One | | | |
|---|---|---|---|
| **Suggested Course Sequence** | | | |
| **First Semester** | **Units** | **Second Semester** | **Units** |
| ENG 100 or 101 | 3-5 | ENG 102 | 3 |
| Social Science | 3 | U.S./Nevada Constitution | 3 |
| Science | 3-4 | Mathematics | 3-4 |
| Mathematics | 3-4 | Science | 4-6 |
| Fine Arts | 3 | | |
| **Third & Fourth Semester** | | | |
| Take courses that meet requirements for the major at intended transfer school. | | | |

## ASL-CP - American Sign Language (Certificate of Achievement)

### General

**Catalog Display Name**
American Sign Language (Certificate of Achievement)

**Catalog Full Description**
The American Sign Language Certificate of Achievement is designed to develop skills in American Sign Language to provide students with a strong foundation to enter professions that provide services to the deaf or hard of hearing people.

### Simple Requirements

**Program Requirements**

**Program Requirements (18 credits)**

**Type**
Completion Requirement

American Sign Language Program Requirements (14 credits)

**Complete ALL of the following Courses:**

- AM140 - American Sign Language I & II (Inactive)
- AM141 - American Sign Language III & IV (Inactive)
- AM151 - Fingerspelling I
- AM152 - Fingerspelling II

**Students can take AM 145 (4 units) and AM 146 (4 units) in lieu of AM 140 (6 units).*
**Students can take AM 147 (4 units) and AM 148 (4 units) in lieu of AM 141 (6 units).

American Sign Language Elective (4 credits)

**Earn at least 4 credits from the following:**

- AM145 - American Sign Language I
- AM146 - American Sign Language II
- AM147 - American Sign Language III
- AM148 - American Sign Language IV
- AM149 - American Sign Language V
- AM150 - American Sign Language VI
- AM151 - Fingerspelling I
- AM152 - Fingerspelling II
- AM201 - Interpreting I
- AM202 - Interpreting II
- AM203 - Interpreting Sign Language III
- AM208 - Observation/Practicum in Interpreting
- AM215 - Conversational ASL
- AM216 - Receptive ASL
- AM217 - Language and Literacy for Deaf/Hard of Hearing Children
- AM253 - Deaf Culture
- AM254 - Deaf History
- AM299 - Special Topics in Sign Language

*Any other AM course*

**General Education Requirements**

**General Education Requirements (12 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

*Must include a writing course.*

**Earn at least 6 credits from the following:**

- CoA English/Communications

Human Relations (3 credits)

**Earn at least 3 credits from the following:**

- CoA Human Relations

Mathematics (3 credits)

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

**Additional Comments:**
**Please see the Certificate of Achievement page for a list of all courses fulfilling general education requirements.**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| First Semester | Units | Second Semester | Units |
|---|---|---|---|
| AM 140 | 6 | AM 141 | 6 |
| AM 151 | 1 | AM 152 | 1 |
| English/Communication | 3 | AM Elective | 4 |
| Human Relations | 3 | English/Communications | 3 |
| Mathematics | 3 | | |

## DFS-AAS - Deaf Studies (Associate of Applied Science)

### General

#### Catalog Display Name
Deaf Studies (Associate of Applied Science)

#### Catalog Full Description
This program will help students develop knowledge about American Sign Language, cultural impacts related to being deaf or hard of hearing and the state of Nevada statutory regulations that govern interpreting. Students will prepare for a variety of careers including teaching, social work, psychology, speech and language pathology or any career that interacts with the deaf.

**Please see the Associate of Applied Science page for a list of all courses filling general education requirements.**

#### Mission
The mission of the Western Nevada College Deaf Studies Associate of Applied Science Degree Program is to provide a quality education to students, thus developing their comprehensive expressive/receptive skills in American Sign Language, finger-spelling fluency and knowledge of the history and culture of people who are deaf or hard of hearing. Students are provided a strong foundation in which to enter numerous high-demand professional fields that provide services to deaf or hard-of-hearing people.

#### Simple Requirements

**Program Requirements**

**Program Requirements (36 credits)**

**Type**
Completion Requirement

Program Requirements (36 credits)

**Complete ALL of the following Courses:**

- AM140 - American Sign Language I & II (Inactive)
- AM141 - American Sign Language III & IV (Inactive)
- AM149 - American Sign Language V
- AM150 - American Sign Language VI
- AM151 - Fingerspelling I
- AM152 - Fingerspelling II
- AM215 - Conversational ASL
- AM216 - Receptive ASL
- AM253 - Deaf Culture
- AM254 - Deaf History

**Students can take AM 145 (4 units) and AM 146 (4 units) in lieu of AM 140 (6 units).*
**Students can take AM 147 (4 units) and AM 148 (4 units) in lieu of AM 141 (6 units).

**General Education Requirements**

**General Education Requirements (24 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

*Must include a writing course.*

**Earn at least 6 credits from the following:**

- AAS English/Communications

**** Writing Courses (****Business 108, English 100, 101, 102, 107 or any 200 level English class)*

Human Relations (3 credits)

**Earn at least 3 credits from the following:**

- AAS Human Relations

Humanities/Social Science (3 credits)

**Earn at least 3 credits from the following:**

- AAS Humanities/Social Sciences

Mathematics (3 credits)

**Complete ALL of the following Course Sets:**

- CoA & AAS Mathematics

Science (3 credits)

**Earn at least 3 credits from the following:**

- AGS & AAS Science

U.S. and Nevada Constitution (3 credits)

**Earn at least 3 credits from the following:**

- U.S. & Nevada Constitution

General Electives (3 credits)

**Earn at least 3 credits**

*THTR 105 Recommended*

| **DEAF STUDIES - Associate of Applied Science** | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Third Semester** | **Units** |
| AM 140* | 6 | AM 149 | 4 |
| AM 151 | 1 | AM 216 | 4 |
| AM 254 | 3 | Mathematics | 3 |
| English/Communications | 3 | U.S./NV Constitution | 3 |
| Human Relations | 3 | | |
| **Second Semester** | **Units** | **Fourth Semester** | **Units** |
| AM 141** | 6 | AM 150 | 4 |
| AM 152 | 1 | AM 215 | 4 |
| AM 253 | 3 | Science | 3 |
| English/Communications | 3 | General Elective *(THTR 105 Recommended)* | 3 |
| Humanities/Social Science | 3 | | |

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

# Courses

## AM145 - American Sign Language I

### General

**Subject code**
AM

**Catalog Number**
145

**Long Description (Catalog Description)**
Introduces ASL and focuses on the development of basic conversational skills, emphasizing receptive abilities.

### Units

**Min Units:**
4

**Max Units:**
4

## AM146 - American Sign Language II

### General

**Subject code**
AM

**Catalog Number**
146

**Long Description (Catalog Description)**
Prerequisites: AM145
Continues to stress the development of basic conversational skills with emphasis on expanding vocabulary and expressive skills.

### Units

**Min Units:**
4

**Max Units:**
4

## AM147 - American Sign Language III

### General

**Subject code**
AM

**Catalog Number**
147

**Long Description (Catalog Description)**
Prerequisites: AM146
Promotes the shifting from comprehension to production of ASL to bring one's current ASL fluency to a point of self generated ASL.

### Units

**Min Units:**
4

**Max Units:**
4

## AM148 - American Sign Language IV

### General

**Subject code**
AM

**Catalog Number**
148

**Long Description (Catalog Description)**
Prerequisites: AM147
Encourages the student to expand his or her command of discourse in ASL on various everyday topics.

### Units

**Min Units:**
4

**Max Units:**
4

## AM149 - American Sign Language V

### General

**Subject code**
AM

**Catalog Number**
149

**Long Description (Catalog Description)**
Prerequisites: AM148
Emphasizes conversational fluency in American Sign Language. Identification of discourse styles in ASL, which will lead to the ability to initial, maintain and conclude conversational interactions with various deaf language styles and/or preference.

### Units

**Min Units:**
4

**Max Units:**
4

## AM150 - American Sign Language VI

### General

**Subject code**
AM

**Catalog Number**
150

**Long Description (Catalog Description)**
Prerequisites: AM149
Final course in the American Sign Language series, covering a culmination of all signs, pragmatics, grammar and fingerspelling skills acquired throughout the series. Emphasis is on utilizing all ASL skills simultaneously and fluently.

### Units

**Min Units:**
4

**Max Units:**
4

## AM151 - Fingerspelling I

### General

**Subject code**
AM

**Catalog Number**
151

**Long Description (Catalog Description)**
Develops basic skills in receptive and expressive fingerspelling.

### Units

**Min Units:**
1

**Max Units:**
1

## AM152 - Fingerspelling II

### General

**Subject code**
AM

**Catalog Number**
152

**Long Description (Catalog Description)**
Prerequisites: AM151 or current enrollment in AM 151
Improves receptive and expressive fingerspelling skills to intermediate/advanced levels.

### Units

**Min Units:**
1

**Max Units:**
1

## AM201 - Interpreting I

### General

**Subject code**
AM

**Catalog Number**
201

**Long Description (Catalog Description)**
Prerequisites: AM146
Exposes students to the profession of sign language interpretation, providing them with an opportunity to determine their interest in the field.

### Units

**Min Units:**
3

**Max Units:**
3

## AM202 - Interpreting II

### General

**Subject code**
AM

**Catalog Number**
202

**Long Description (Catalog Description)**
Prerequisites: AM201
Develops the student's receptive and expressive skills in interpreting. Includes a series of activities leading from consecutive interpretation to simultaneous interpretation skills.

**Units**

**Min Units:**
3

**Max Units:**
3

## AM203 - Interpreting Sign Language III

### General

**Subject code**
AM

**Catalog Number**
203

**Long Description (Catalog Description)**
Prerequisites: AM202
Develops the student's receptive and expressive skills in interpreting for deaf individuals. Follows a sequenced series of consecutive interpretation to simultaneous interpretation skills.

**Units**

**Min Units:**
3

**Max Units:**
3

## AM208 - Observation/Practicum in Interpreting

### General

**Subject code**
AM

**Catalog Number**
208

**Long Description (Catalog Description)**
Prerequisite: Instructor Approval
Provides opportunities to shadow, observe, and interact with professional interpreters in a supervised observation/practicum setting.

**Units**

**Min Units:**
3

**Max Units:**
3

## AM215 - Conversational ASL

### General

**Subject code**
AM

**Catalog Number**
215

**Long Description (Catalog Description)**
Prerequisites: AM147
Focuses on the natural use of American Sign Language. Appropriate use of ASL grammar and vocabulary in conversational situations is stressed. Students master appropriate pragmatics, use of facial expressions, space, fingerspelling and classifiers, simultaneously for conversational fluency.

**Units**

**Min Units:**
4

**Max Units:**
4

## AM216 - Receptive ASL

### General

**Subject code**
AM

**Catalog Number**
216

**Long Description (Catalog Description)**
Prerequisites: AM147
Provides opportunities for students to develop receptive skills with a wide variety of signers. Receptive language of children, teens, adults with various socio-economic levels, and senior signers will be developed. Acquisition and comprehension of regional signs, "slang" signs, and generational signs will also be emphasized.

**Units**

**Min Units:**
4

**Max Units:**
4

## AM217 - Language and Literacy for Deaf/Hard of Hearing Children

### General

**Subject code**
AM

**Catalog Number**
217

**Long Description (Catalog Description)**
Teaches the process of language acquisition and literacy development for children who are deaf or have a hearing loss. Includes comparison to the natural acquisition of language for all children and adults. Includes clinical, cultural, historical and audiological descriptions of deafness; the unique linguistic aspects of language and literacy acquisition and most importantly, practical application and activities that can be utilized with deaf/hard of hearing children. Geared to all persons wishing to learn about language and literacy acquisition, but especially geared to parents, educational interpreters, speech and language pathologists, audiologist, and teacher of dear and hard of hearing children.

**Units**

**Min Units:**
3

**Max Units:**
3

## AM253 - Deaf Culture

### General

**Subject code**
AM

**Catalog Number**
253

**Long Description (Catalog Description)**
Prerequisites: None
This course provides an introduction to Deaf culture in the United States. Students will gain an understanding and appreciation of Deaf cultural norms, life and experiences, and expression in the arts. They will also apply a critical lens to Deaf representation in media and its effects on present day issues for the Deaf community.

**Units**

**Min Units:**
3

**Max Units:**
3

## AM254 - Deaf History

### General

**Subject code**
AM

**Catalog Number**
254

**Long Description (Catalog Description)**
Examines segments of the history of deaf people and the deaf community, as well as the deaf experience from a historical perspective.

**Units**

**Min Units:**
3

**Max Units:**
3

## AM299 - Special Topics in Sign Language

### General

**Subject code**
AM

**Catalog Number**
299

**Long Description (Catalog Description)**
Includes short courses and experimental classes covering a variety of subjects. May be repeated for up to six credits.

**Units**

**Min Units:**
0.5

**Max Units:**
3

## ANTH101 - Introduction to Cultural Anthropology

### General

**Subject code**
ANTH

**Catalog Number**
101

**Long Description (Catalog Description)**
Introduces human culture and society. Provides an understanding of human diversity through a comparative study of politics, religion, economics and social organization.

**Units**

**Min Units:**
3

**Max Units:**
3

## ANTH102 - Introduction to Biological Anthropology

### General

**Subject code**
ANTH

**Catalog Number**
102

**Long Description (Catalog Description)**
Recommended corequisite: ANTH 110L
Explores the biological and evolutionary origins of humans through the examination of the fossil record, the study of primates, and the study of human biology.

**Units**

**Min Units:**
3

**Max Units:**
5

## ANTH110L - Biological Anthropology Lab

### General

**Subject code**
ANTH

**Catalog Number**
110L

**Long Description (Catalog Description)**
Corequisites: ANTH102
Provides practical experience in aspects of physical anthropology: the mechanisms of inheritance, osteology and forensic science, comparative anatomy and human evolution, and aspects of modern human variability.

**Units**

**Min Units:**
1

**Max Units:**
1

## ANTH198 - Special Topics: Anthropology

### General

**Subject code**
ANTH

**Catalog Number**
198

**Units**

**Min Units:**
1

**Max Units:**
3

## ANTH201 - Peoples & Cultures of the World

### General

**Subject code**
ANTH

**Catalog Number**
201

**Long Description (Catalog Description)**
Offers a comparative survey of selected societies from throughout the world. Emphasis is on the impact of global developments on traditional societies.

### Units

**Min Units:**
3

**Max Units:**
3

## ANTH202 - Archaeology

### General

**Subject code**
ANTH

**Catalog Number**
202

**Long Description (Catalog Description)**
Surveys archaeology in the Old and New Worlds. Examines methods used by archaeologists to describe and explain prehistoric cultures.

### Units

**Min Units:**
3

**Max Units:**
3

## ANTH213 - Introduction to Indigenous Peoples of the Great Basin

### General

**Subject code**
ANTH

**Catalog Number**
213

**Long Description (Catalog Description)**
Introduces the Indigenous Nations of the Great Basin summarizing ethnographic and contemporary issues of Indigenous Nations of the Great Basin and the indigenous groups that are geographically adjacent and have influenced Basin cultures. Examines the archaeological documentation of pre-contact conditions.
.

### Units

**Min Units:**
3

**Max Units:**
3

## ANTH214 - Introduction to Mesoamerican Prehistory and Archaeology

### General

**Subject code**
ANTH

**Catalog Number**
214

**Long Description (Catalog Description)**
Introduces students to the archaeology and prehistory of Mesoamerica. Includes the development of complex societies in Mexico and Central America.

### Units

**Min Units:**
3

**Max Units:**
3

## ANTH215 - Introduction to Faith Witchcraft & Magic

### General

**Subject code**
ANTH

**Catalog Number**
215

**Long Description (Catalog Description)**
Introduces students to the anthropological study of religion as a human institution. Examines the history, methods, and current status of the field.

### Units

**Min Units:**
3

**Max Units:**
3

## ANTH443 - Environmental Archaeology

### General

**Subject code**
ANTH

**Catalog Number**
443

**Long Description (Catalog Description)**
Topics selected from paleoecology, taphonomy, geoarchaeology, and dating methods. Lectures, readings, and field trips cover advanced principles, method and theory, and practical applications.

### Units

**Min Units:**
3

**Max Units:**
3

## ART100 - Visual Foundations

### General

**Subject code**
ART

**Catalog Number**
100

**Long Description (Catalog Description)**
Explores visual forms and contemporary concepts through a variety of media, presentations and discussions.

### Units

**Min Units:**
3

**Max Units:**
3

## ART101 - Drawing I

### General

**Subject code**
ART

**Catalog Number**
101

**Long Description (Catalog Description)**
Develops drawing skills through practice with a broad variety of drawing tools and techniques. 1 hour lecture/4 hours studio per week.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART102 - Drawing II

### General

**Subject code**
ART

**Catalog Number**
102

**Long Description (Catalog Description)**
Prerequisites: ART101
Continues ART 101 with increased emphasis on the refinement of drawing skills. One hour lecture/ four hours studio per week.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART111 - Beginning Ceramics

### General

**Subject code**
ART

**Catalog Number**
111

**Long Description (Catalog Description)**
Introduces basic ceramic techniques and concepts including both hand-built and wheel thrown vessels as well as both utilitarian and non-utilitarian ceramic forms.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART124 - Beginning Printmaking

### General

**Subject code**
ART

**Catalog Number**
124

**Long Description (Catalog Description)**
Introduces printmaking processes emphasizing relief, intaglio, lithographic, and screen processes.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART127 - Watercolor I

### General

**Subject code**
ART

**Catalog Number**
127

**Long Description (Catalog Description)**
Offers a beginning course in watercolor painting with emphasis on materials and techniques which contribute to the production of quality works of art.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART131 - Introduction to Painting

### General

**Subject code**
ART

**Catalog Number**
131

**Long Description (Catalog Description)**
Introduces the basics of various traditional and contemporary painting media.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART135 - Darkroom Photography I

### General

**Subject code**
ART

**Catalog Number**
135

**Long Description (Catalog Description)**
Prerequisite: None
Introduction to photographic techniques and practices through the use of 35mm cameras, black & white film, and darkroom processes including development and printing.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART141 - Introduction to Digital Photography I

### General

**Subject code**
ART

**Catalog Number**
141

**Long Description (Catalog Description)**
Introduces photographic techniques. Topics include exposure, camera controls, digital printing, file management. Explores creative possibilities and thematic modes of photography; working in series.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART151 - Introduction to Time Based Media/ Videography

### General

**Subject code**
ART

**Catalog Number**
151

**Long Description (Catalog Description)**
Prerequisites: None
Introduces Time-Based Media/Videography using still and moving images. Lecture and studio study using broadcast video as a means of personal expression. Discussion of technical and theoretical themes; production by students of short videos that demonstrate understanding of these concepts.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART160 - Art Appreciation

### General

**Subject code**
ART

**Catalog Number**
160

**Long Description (Catalog Description)**
Studies art, artists and art media of various historical periods to develop the student's capacity to evaluate and appreciate them.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART201 - Life Drawing I

### General

**Subject code**
ART

**Catalog Number**
201

**Long Description (Catalog Description)**
Prerequisites: ART101
Practices drawing the human figure from nude models. Emphasizes the expressive potentialities of human figure, and the production of quality drawings. One hour lecture and four hours studio per week.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART211 - Ceramics I

### General

**Subject code**
ART

**Catalog Number**
211

**Long Description (Catalog Description)**
Offers a beginning studio course in ceramic construction and decoration. Lecture and laboratory methods are used to give special attention to the development of individual student's skills. Uses potter's wheels. One hour lecture and four hours studio per week.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART212 - Ceramics II

### General

**Subject code**
ART

**Catalog Number**
212

**Long Description (Catalog Description)**
Prerequisites: ART211
Continues ART 211 but with increased attention given to further refinement of skills. One hour lecture/four hours studio per week.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART214 - Introduction to Book Art: Intersection of Art and Design

### General

**Subject code**
ART

**Catalog Number**
214

**Long Description (Catalog Description)**
Prerequisites: None
Introduction to the book as a physical object. Course covers the field of artists' books as a form of artistic expression and inquiry as well as antiquarian books. Course introduces the mechanics of printing on cylinder and platen presses and several binding structures.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART218 - The Artist's Book

### General

**Subject code**
ART

**Catalog Number**
218

**Long Description (Catalog Description)**
Prerequisite: ART 214 or instructor permission
Provides the opportunity for students to create a limited-edition, letterpress-printed artist's book edition of 12-15 copies. Students will write original text, generate imagery using traditional and alternative printing techniques, hand set type, letterpress print on antique printing pressed, and hand-bind each copy of their artist's book.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART225 - Intermediate Printmaking

### General

**Subject code**
ART

**Catalog Number**
225

**Long Description (Catalog Description)**
Prerequisites: ART124
Continues Art 124 with emphasis on contemporary techniques and processes for traditional intaglio, lithography, and digital imaging techniques for intaglio and lithographic processes.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART227 - Watercolor II

### General

**Subject code**
ART

**Catalog Number**
227

**Long Description (Catalog Description)**
Prerequisites: ART127
Continues exploration of watercolor techniques and concepts including gouache and related media.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART231 - Painting I

### General

**Subject code**
ART

**Catalog Number**
231

**Long Description (Catalog Description)**
Offers a beginning course in oil and/or acrylic painting. Introduces concepts and develops skills for the production of quality paintings. One hour lecture and four hours studio per week.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART232 - Painting II

### General

**Subject code**
ART

**Catalog Number**
232

**Long Description (Catalog Description)**
Prerequisites: ART231
Continues ART 231, with increased emphasis on refinement of basic painting skills. One hour lecture and four hours studio per week.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART235 - Studio Lighting

### General

**Subject code**
ART

**Catalog Number**
235

**Long Description (Catalog Description)**
Prerequisites: ART135 or 141
Covers artificial lighting techniques and theory; strobe equipment, hotlights and electronic flashes. Students produce a portfolio of work demonstrating knowledge of these techniques.

**Units**

**Min Units:**
3

**Max Units:**
3

## ART236 - Darkroom Photography II

### General

**Subject code**
ART

**Catalog Number**
236

**Long Description (Catalog Description)**
Prerequisites: ART 135
Advanced darkroom photography course involving continued explorations of numerous photographic techniques, compositional styles, concepts and critical analysis of photography as a Fine Art.

### Units

**Min Units:**
3

**Max Units:**
3

## ART237 - Photography II Color

### General

**Subject code**
ART

**Catalog Number**
237

**Long Description (Catalog Description)**
Prerequisite: ART 141
Covers continued explorations of numerous photographic techniques, compositional styles, concepts and critical analysis of photography as a Fine Art.

### Units

**Min Units:**
3

**Max Units:**
3

## ART260 - Survey Art History I

### General

**Subject code**
ART

**Catalog Number**
260

**Long Description (Catalog Description)**
Surveys art of the western world from prehistoric times through the Gothic Period.

### Units

**Min Units:**
3

**Max Units:**
3

## ART261 - Survey of Art History II

### General

**Subject code**
ART

**Catalog Number**
261

**Long Description (Catalog Description)**
Surveys art of the western world from the Renaissance to the present.

### Units

**Min Units:**
3

**Max Units:**
3

## ART299 - Special Topics in Studio Art

### General

**Subject code**
ART

**Catalog Number**
299

**Long Description (Catalog Description)**
Applies to assorted short courses and workshops covering a variety of subjects. May be repeated for up to six credits.

### Units

**Min Units:**
1

**Max Units:**
3

## AST109 - Planetary Astronomy

### General

**Subject code**
AST

**Catalog Number**
109

**Long Description (Catalog Description)**
Prerequisites: MATH120,MATH126 or higher or consent of instructor
Offers a descriptive introduction to current concepts of the solar system, modern observational techniques, and their results. Utilizes telescopes and observatory facilities. Includes four laboratory experiences.

### Units

**Min Units:**
3

**Max Units:**
3

## AST110 - Stellar Astronomy

### General

**Subject code**
AST

**Catalog Number**
110

**Long Description (Catalog Description)**
Prerequisites: MATH120,MATH126 or higher or consent of instructor
Offers a descriptive introduction to stellar and galactic systems, the life cycle of stars, theories of the universe and its formation. Utilizes telescopes and observatory facilities. Includes four laboratory experiences.

### Units

**Min Units:**
3

**Max Units:**
3

## AST120 - Introduction to Astrobiology

### General

| Subject code | Catalog Number |
| --- | --- |
| AST | 120 |

**Long Description (Catalog Description)**
Study of the origin, evolution and distribution of life in the geology, planetary science, atmospheric science, oceanography, and other sciences. Will explore the scientific reasons behind why the Solar System harbors a living planet. Covers the factors that allow the Earth to support life and the potential for life on other planets within the universe.

### Units

| Min Units: | Max Units: |
| --- | --- |
| 3 | 3 |

## ATMS117 - Meteorology

### General

| Subject code | Catalog Number |
| --- | --- |
| ATMS | 117 |

**Long Description (Catalog Description)**
Covers the elements that make up meteorology, potential climate change, severe weather, and weather forecasting.

### Units

| Min Units: | Max Units: |
| --- | --- |
| 3 | 3 |

## BIOL100 - General Biology for Non-Science Majors

### General

| Subject code | Catalog Number |
| --- | --- |
| BIOL | 100 |

**Long Description (Catalog Description)**
Prerequisites: None. Recommended: MATH120, MATH126 or higher
Covers fundamental concepts and theories of life science. Major topics include cellular/molecular biology, anatomy, physiology, genetics, evolutions and ecology. Includes four laboratory experiences.

### Units

| Min Units: | Max Units: |
| --- | --- |
| 3 | 4 |

## BIOL105 - Introduction to Neuroscience

### General

| Subject code | Catalog Number |
| --- | --- |
| BIOL | 105 |

**Long Description (Catalog Description)**
Presents basic principles in biological science, including neural function and cognition. Topics will range from the electrical basis of brain function to higher-order cognitive processes and neurodegenerative diseases. Applications will also be introduced, from the treatment and impact of neurological diseases on society, to how we can use computational models of the brain. Same as PSY 105 and NS 105.

### Units

| Min Units: | Max Units: |
| --- | --- |
| 3 | 3 |

## BIOL113 - Life in the Oceans

### General

| Subject code | Catalog Number |
| --- | --- |
| BIOL | 113 |

**Long Description (Catalog Description)**
Introduces the plants, animals and microorganisms of the oceans with an emphasis on important marine ecosystems such as intertidal zones, estuaries and coral reefs.

### Units

| Min Units: | Max Units: |
| --- | --- |
| 3 | 3 |

## BIOL135 - Introduction to Ornithology

### General

| Subject code | Catalog Number |
| --- | --- |
| BIOL | 135 |

**Long Description (Catalog Description)**
Prerequisites: None
Introduction to the biology of birds with a focus on avian biology, behavior, ecology, mechanism of flight, and migration; along with opportunities for field identification of birds common to Western Nevada. Includes classroom lectures, hands-on activities, four laboratory experiences and field trips.

### Units

| Min Units: | Max Units: |
| --- | --- |
| 3 | 3 |

## BIOL190 - Intro to Cell & Molecular Biology

### General

**Subject code**
BIOL

**Catalog Number**
190

**Long Description (Catalog Description)**
Prerequisite: Math 124 or higher with a grade of C- or higher; or, placement into a MATH course numbered 127 or higher; or, ACT MATH score of 25 or higher or SAT MATH score of 560 or higher; or, a grade of B- or better in high school precalculus.
Covers the structure and functions of cells. Includes the major molecules of life, composition and physiology of cellular organelles, cellular metabolism, reproduction, motility, gene function and related topics. Meets for a total of 45 lab hours and 45 lecture hours. Note: BIOL 190 plus BIOL 191 transfer to UNR as fulfilling BIOL 190, 191 and 192 requirements.

### Units

**Min Units:**
4

**Max Units:**
4

## BIOL191 - Introduction to Organismal Biology

### General

**Subject code**
BIOL

**Catalog Number**
191

**Long Description (Catalog Description)**
Prerequisite: None.
Combines the principles of botany and zoology into one course emphasizing levels of organization and life processes common to all organisms. Topics range from nutrient processing and homeostasis to reproduction. Meets for a total of 45 lecture hours and 45 lab hours. Note: BIOL 190 plus BIOL 191 transfer to UNR as fulfilling BIOL 190, 191 and 192 requirements.

### Units

**Min Units:**
4

**Max Units:**
4

## BIOL198 - Special Topics in Biology

### General

**Subject code**
BIOL

**Catalog Number**
198

**Long Description (Catalog Description)**
Prerequisites: None
Includes short courses and experimental classes covering a variety of subjects.

### Units

**Min Units:**
1

**Max Units:**
3

## BIOL200 - Elements of Human Anatomy & Physiology

### General

**Subject code**
BIOL

**Catalog Number**
200

**Long Description (Catalog Description)**
Provides students with an intense descriptive overview of anatomy and physiology with related, illustrative pathology and microbiology.

### Units

**Min Units:**
3

**Max Units:**
3

## BIOL204 - Elements of Human Anatomy & Physiology Lab

### General

**Subject code**
BIOL

**Catalog Number**
204

**Long Description (Catalog Description)**
Corequisites: BIOL200
Provides students with intense laboratory exercises about anatomy and physiology with related, illustrative pathology and microbiology.

### Units

**Min Units:**
1

**Max Units:**
1

## BIOL208 - Introduction to Human Genetics

### General

**Subject code**
BIOL

**Catalog Number**
208

**Long Description (Catalog Description)**
Prerequisites: BIOL190 and 190L
Offers a basic science (Mendelian genetics, cytogenetics, molecular genetics) and detailed clinical case study and correlation-oriented (pedigree analysis, gene cloning, inborn errors of metabolism) course that demonstrates the principles of genetics/heredity in human health and disease. Strongly recommended for those pursuing per-medical studies. Three hours lecture.

### Units

**Min Units:**
3

**Max Units:**
3

## BIOL212 - Introduction to Human Genetics Lab

### General

**Subject code**
BIOL

**Catalog Number**
212

**Long Description (Catalog Description)**
Corequisites: BIOL 208
Provides an opportunity to learn how to extract and amplify genomic DNA using the polymerase chain reaction; apply concepts of chemistry and evolutionary biology to study an organism they choose; identify a question involving their chosen organism and answer it using DNA technology; research and identify protocols and materials such as M-SAT primers specific to the organism they choose; subject data to statistical analysis and relate their findings to concepts of evolution. Three hours laboratory.

### Units

**Min Units:**
1

**Max Units:**
1

## BIOL223 - Human Anatomy and Physiology I

### General

**Subject code**
BIOL

**Catalog Number**
223

**Long Description (Catalog Description)**
Prerequisite: BIOL 190 with lab, or BIOL 190/190L with grade of C or better. May be repeated a maximum of two times within the last five years.
Offers detailed study of histology and the integumentary, skeletal, muscular, and nervous systems. Primary for physical education, pre-nursing and other pre-health majors. Three hours lecture/three hours laboratory. NOTE: For programs that require BIOL 223 and 224, both courses must be completed at the same institution if taken outside Nevada.

### Units

**Min Units:**
4

**Max Units:**
4

## BIOL224 - Human Anatomy and Physiology II

### General

**Subject code**
BIOL

**Catalog Number**
224

**Long Description (Catalog Description)**
Prerequisites: BIOL 223 with a grade of C or better. May be repeated a maximum of two times within the last five years.
Offers a detailed study of the anatomy and physiology of the circulatory, immune, respiratory, digestive, urinary, endocrine and reproductive systems. Primarily for physical education, pre-nursing and other pre-health majors. Three hours lecture/three hours laboratory. NOTE: For programs that require BIOL 223 and 224, both courses must be completed at the same institution if taken outside Nevada.

### Units

**Min Units:**
4

**Max Units:**
4

## BIOL251 - General Microbiology

### General

**Subject code**
BIOL

**Catalog Number**
251

**Long Description (Catalog Description)**
Prerequisites: BIOL 190 with Lab with a grade of C or better or BIOL 190A & 190L with a grade of C or better. May be repeated a maximum of two times within the past five years.
Emphasizes the distribution, form, structure and physiology of microorganisms in laboratory. Develops the student's skills in aseptic procedures, isolation and identification. Three hours lecture/three hours laboratory per week.

### Units

**Min Units:**
4

**Max Units:**
4

## BIOL273 - Research Experience

### General

**Subject code**
BIOL

**Catalog Number**
273

**Long Description (Catalog Description)**
Prerequisites: BIOL 190 & 190L or CHEM 121 with a grade of C or better and instructor consent.
Research intensive course designed to foster competency in experimental design, laboratory techniques, problem-solving information through open-ended investigation.

### Units

**Min Units:**
1

**Max Units:**
6

## BIOL299 - Special Topics in Biology

### General

**Subject code**
BIOL

**Catalog Number**
299

### Units

**Min Units:**
1

**Max Units:**
1

## CEP121 - Introduction to the College Experience

### General

**Subject code**
CEP

**Catalog Number**
121

**Long Description (Catalog Description)**
Covers study skills, time management, major selection, and other factors associated with success in college.

### Units

**Min Units:**
1

**Max Units:**
1

## CH201 - Ancient and Medieval Cultures

### General

**Subject code**
CH

**Catalog Number**
201

**Long Description (Catalog Description)**
Prerequisites: ENG101
Provides an introduction to Greek, Roman and Judeo-Christian culture through the Middle Ages.

### Units

**Min Units:**
3

**Max Units:**
3

## CH202 - The Modern World

### General

**Subject code**
CH

**Catalog Number**
202

**Long Description (Catalog Description)**
Prerequisites: ENG101
Explores the intellectual, literary and political history of Europe from the Renaissance to the present.

### Units

**Min Units:**
3

**Max Units:**
3

## CH203 - American Experience & Constitutional Change

### General

**Subject code**
CH

**Catalog Number**
203

**Long Description (Catalog Description)**
Prerequisites: ENG101
Emphasizes the origins of the U.S. and Nevada constitutions and issues such as equality and civil rights, individualism and civil liberties, federalism, environmentalism, urbanization and industrialization, as well as religious and cultural diversity. Satisfies the United States and Nevada Constitutions requirements.

### Units

**Min Units:**
3

**Max Units:**
3

## CH212 - Science, Technology, and Society in the Modern Era

### General

**Subject code**
CH

**Catalog Number**
212

**Long Description (Catalog Description)**
Prerequisite: Eng 101
Analyzes history and culture of the modern world, exploration of scientific revolutions and methods, rise and global spread of science-based technologies, and their impact on nature, the human body, society and the world.

### Units

**Min Units:**
3

**Max Units:**
3

## CHEM100 - Molecules and Life in the Modern World

### General

**Subject code**
CHEM

**Catalog Number**
100

**Long Description (Catalog Description)**
Prerequisites: MATH120 or higher
Introduces chemistry with emphasis on impacts on human society, environmental issues, energy sources and life processes. Includes four laboratory experiments.

### Units

**Min Units:**
3

**Max Units:**
4

## CHEM121 - General Chemistry I

### General

**Subject code**
CHEM

**Catalog Number**
121

**Long Description (Catalog Description)**
Prerequisite: MATH 126 with a grade of C- or higher; or, placement into higher MATH course (excluding MATH 176); or, ACT MATH score of 25 or higher or SAT MATH score of 560 or higher; or, a grade of B- or better in high school precalculus.
Provides fundamentals of chemistry including reaction stoichiometry, atomic structure, chemical bonding, molecular structure, states of matter and thermochemistry. Three hours lecture/three hours laboratory.

### Units

**Min Units:**
4

**Max Units:**
4

## CHEM122 - General Chemistry II

### General

**Subject code**
CHEM

**Catalog Number**
122

**Long Description (Catalog Description)**
Prerequisites: CHEM121; and, MATH 127 or MATH 128
Provides fundamentals of chemistry including solutions, kinetics, equilibria, thermodynamics, electrochemisty, nuclear chemistry and properties of inorganic and organic compounds. Three hours lecture/three hours laboratory.

### Units

**Min Units:**
4

**Max Units:**
4

## CHEM220 - Introductory Organic Chemistry

### General

**Subject code**
CHEM

**Catalog Number**
220

**Long Description (Catalog Description)**
Prerequisites: CHEM121
Surveys the principles of carbon chemistry. Credit allowed in only one of CHEM 220 or 241. Three hours lecture/three hours laboratory.

### Units

**Min Units:**
4

**Max Units:**
4

## CHEM241 - Organic Chemistry I

### General

**Subject code**
CHEM

**Catalog Number**
241

**Long Description (Catalog Description)**
Prerequisites: CHEM122
Introduces the chemistry of carbon compounds; functional groups; relationships among molecular structure, properties and reactivity and biological relevance. For life and environmental sciences majors. Credit allowed in only one of CHEM 220 or 241. Three hours lecture.

### Units

**Min Units:**
3

**Max Units:**
3

## CHEM241L - Organic Chemistry for Life Sciences Laboratory I

### General

**Subject code**
CHEM

**Catalog Number**
241L

**Long Description (Catalog Description)**
Prerequisites: CHEM122 ; Corequisites: CHEM241
Introduces the chemistry of carbon compounds; functional groups; relationships among molecular structure, properties and reactivity and biological relevance. For life and environmental sciences majors. Three hours laboratory.

### Units

**Min Units:**
1

**Max Units:**
1

## CHEM242 - Organic Chemistry II

### General

**Subject code**
CHEM

**Catalog Number**
242

**Long Description (Catalog Description)**
Prerequisites: CHEM241
Provides an emphasis on functional groups, fundamental reaction mechanisms, and biomoleculaes. For life science and sciences majors. Continues CHEM 241. Three hours lecture.

### Units

**Min Units:**
3

**Max Units:**
3

## CHEM242L - Organic Chemistry for Life Sciences Laboratory II

### General

**Subject code**
CHEM

**Catalog Number**
242L

**Long Description (Catalog Description)**
Prerequisites: CHEM241 & CHEM241L; Corequisite: CHEM242
Provides an emphasis on functional groups, fundamental reaction mechanisms, and biomoleculaes. For life science and sciences majors. Three hours laboratory.

### Units

**Min Units:**
1

**Max Units:**
1

## COM101 - Oral Communications

### General

**Subject code**
COM

**Catalog Number**
101

**Long Description (Catalog Description)**
Introduction to the principles and practices of public speaking.

### Units

**Min Units:**
3

**Max Units:**
3

## COM102 - Intro to Interpersonal Communication

### General

**Subject code**
COM

**Catalog Number**
102

**Long Description (Catalog Description)**
Introduction to the field, principles and concepts of interpersonal communication.

### Units

**Min Units:**
3

**Max Units:**
3

## COM113 - Fundamentals of Speech Communication

### General

**Subject code**
COM

**Catalog Number**
113

**Long Description (Catalog Description)**
Prerequisites: None
Introduces principles and theories of speech communication. Includes participation in public speaking and interpersonal communication.

### Units

**Min Units:**
3

**Max Units:**
3

## COM215 - Introduction to Group Communication

### General

**Subject code**
COM

**Catalog Number**
215

**Long Description (Catalog Description)**
Prerequisites: None
Introduces communication as it functions within small task groups. Emphasizes observation and analysis of actual small group behavior and on improvement of communication skills within the small group setting. Topics to include leadership, conflict, norms, role structure, cohesiveness and decision making. Course stresses student involvement in exercises, discussions and group projects.

### Units

**Min Units:**
3

**Max Units:**
3

## COM299 - Special Topics in Communication

### General

**Subject code**
COM

**Catalog Number**
299

**Long Description (Catalog Description)**
Investigates a special topic or technique of speech communication.

### Units

**Min Units:**
3

**Max Units:**
3

## COM412 - Intercultural Communication

### General

**Subject code**
COM

**Catalog Number**
412

**Long Description (Catalog Description)**
Factors important to meaningful communication across cultures with emphasis on intercultural differences in North America.

### Units

**Min Units:**
3

**Max Units:**
3

## CR137 - Creative Crafts II

### General

**Subject code**
CR

**Catalog Number**
137

**Long Description (Catalog Description)**
Introduces students to crafts, stressing design principles and expressive qualities utilizing a variety of craft materials.

### Units

**Min Units:**
1

**Max Units:**
3

## DAN108 - Pilates I

### General

**Subject code**
DAN

**Catalog Number**
108

**Long Description (Catalog Description)**
Introduces the basic theory and techniques of Pilates and the Alexander and the Feldenkrais technique. Covers history of Pilates theory and technique as well as mat work and the basic use of the three pieces of Pilates equipment: the reformer, the trapeze table, and the chair. Emphasizes the application of this theory and technique to dance.

### Units

**Min Units:**
1

**Max Units:**
1

## DAN110 - Dance for Flexibility and Tone

### General

**Subject code**
DAN

**Catalog Number**
110

**Long Description (Catalog Description)**
Introduction to basic techniques for dance flexibility. Students will learn some simple basic Jazz technique, terminology and choreography that includes kicks and leaps, strengthening the core muscles.

### Units

**Min Units:**
1

**Max Units:**
1

## DAN132 - Jazz Dance (Beginning)

### General

**Subject code**
DAN

**Catalog Number**
132

**Long Description (Catalog Description)**
Introduces beginning techniques of jazz dance. May be repeated for up to four credits.

### Units

**Min Units:**
1

**Max Units:**
1

## DAN135 - Beginning Ballet

### General

**Subject code**
DAN

**Catalog Number**
135

**Long Description (Catalog Description)**
Introduces beginning techniques of ballet. May be repeated for up to four credits.

### Units

**Min Units:**
1

**Max Units:**
1

## DAN144 - Beginning Tap Dancing

### General

**Subject code**
DAN

**Catalog Number**
144

**Long Description (Catalog Description)**
Introduces beginning techniques of tap dance. May be repeated for up to four credits.

### Units

**Min Units:**
1

**Max Units:**
1

## DAN160 - Hip-Hop Dance

### General

**Subject code**
DAN

**Catalog Number**
160

**Long Description (Catalog Description)**
Teaches beginning techniques of hip-hop dance. May be repeated for up to 4 credits.

### Units

**Min Units:**
1

**Max Units:**
1

## DAN232 - Jazz Dance (Intermediate)

### General

**Subject code**
DAN

**Catalog Number**
232

**Long Description (Catalog Description)**
Prerequisites: DAN132
Emphasizes intermediate techniques of jazz dance. May be repeated for up to 4 credits.

### Units

**Min Units:**
1

**Max Units:**
1

## DAN244 - Tap Dance (Intermediate)

### General

**Subject code**
DAN

**Catalog Number**
244

**Long Description (Catalog Description)**
Prerequisites: DAN144 or consent of instructor
Emphasizes intermediate techniques of tap dance. May be repeated for up to 4 credits.

### Units

**Min Units:**
1

**Max Units:**
1

## DAN260 - Intermediate Hip-Hop Dance

### General

**Subject code**
DAN

**Catalog Number**
260

**Long Description (Catalog Description)**
Prerequisites: DAN160B
Teaches intermediate techniques of hip-hop dance. May be repeated for up to 4 credits.

### Units

**Min Units:**
1

**Max Units:**
1

## EE220 - Circuits I

### General

**Subject code**
EE

**Catalog Number**
220

**Long Description (Catalog Description)**
Prerequisite: PHYS 181 with a "C" or better
Introduction to analysis methods and network theorems used to describe operation of electric circuits. Topics covered include resistive, capacitive and inductive components in DC and AC circuits.

### Units

**Min Units:**
3

**Max Units:**
3

## EE220L - Circuits I Laboratory

### General

**Subject code**
EE

**Catalog Number**
220L

**Long Description (Catalog Description)**
Prerequisite: PHYS 181 with a "C" or better. Corequisites: EE 220.
This laboratory course introduces students to fundamental analysis methods and network theorems used to describe the operation of electric circuits. (Required for BME and EE majors)

### Units

**Min Units:**
1

**Max Units:**
1

## ENG90 - Basic Writing I

### General

**Subject code**
ENG

**Catalog Number**
90

**Long Description (Catalog Description)**
Provides instruction in basic English skills including grammar, parts of speech, agreement, syntax, punctuation, spelling, and sentence structure. Focuses on a variety of sentence patterns and types. Provides extensive practice in grammar and usage. Grading: pass/fail.

### Units

**Min Units:**
3

**Max Units:**
3

## ENG95 - Basic Writing II

### General

**Subject code**
ENG

**Catalog Number**
95

**Long Description (Catalog Description)**
Provides instruction in basic writing skills including sentence patterns and basic paragraph development. Provides review of grammar, mechanics, punctuation, spelling, and word usage. Some sections of the course may be offered through computer-assisted instruction. Grading: Satisfactory/Unsatisfactory.

### Units

**Min Units:**
3

**Max Units:**
3

## ENG98 - Basic Writing III

### General

**Subject code**
ENG

**Catalog Number**
98

**Long Description (Catalog Description)**
Prerequisites: appropriate score on WNC placement examination or equivalent examination
Helps students improve their writing for school or on the job. Offers practice in sentence, paragraph and short essay writing with attention to grammar, sentence structure and punctuation. The student will learn how to combine sentences and paragraphs to communicate clearly and effectively. Grading: pass/fail.

### Units

**Min Units:**
3

**Max Units:**
3

## ENG99 - Basic Writing Strategies

### General

**Subject code**
ENG

**Catalog Number**
99

**Long Description (Catalog Description)**
Provides instruction in basic English skills including sentence patterns and basic paragraph development. Provides review of grammar, mechanics, punctuation, spelling, and work usage. Offers practice in sentence, paragraph, and short essay writing with attention to grammar, sentence structure, and punctuation.

### Units

**Min Units:**
4

**Max Units:**
4

## ENG100 - Composition - Enhanced

### General

**Subject code**
ENG

**Catalog Number**
100

**Long Description (Catalog Description)**
Prerequisite: ENG 95 or equivalent writing course or appropriate scored on WNC placement or equivalent exam. Students should meet with a WNC Counselor to determine readiness based on placement based on readiness exams, high school coursework, or other factors.

Intensive reading and writing course focusing on writing the expository and argumentative essay. Emphasis on revising and editing essays for development, coherence, style, and correctness as well as on investigative, reasoning, and organizational skills necessary to create successful research papers. Provides extra assistance in English writing skills, grammar, sentence structure, usage, and punctuation.
Includes objectives covered in ENG 101; satisfies the ENG 101 writing requirement for all degrees and certificates of achievement.

### Units

**Min Units:**
4

**Max Units:**
5

## ENG101 - Composition I

### General

**Subject code**
ENG

**Catalog Number**
101

**Long Description (Catalog Description)**
Prerequisite: ENG 98, 99 or equivalent writing course or appropriate score on WNC placement or equivalent examination. Students should meet with a Counselor to determine readiness based on placement or equivalent exam, high school coursework, or other factors.

Studies expository writing with special attention to the modes, arrangement and style. Students learn to write essays which are unified, thorough, clear and convincing. Students read essays to augment critical reading skills. They learn the research, reasoning and organizational skills necessary for effective academic and research writing.

### Units

**Min Units:**
3

**Max Units:**
3

## ENG102 - Composition II

### General

**Subject code**
ENG

**Catalog Number**
102

**Long Description (Catalog Description)**
Prerequisites: ENG100 or ENG101.
Continues the study of expository writing. Students read and analyze writing and discursive techniques of interpretation, argument, and research.

### Units

**Min Units:**
3

**Max Units:**
3

## ENG107 - Technical Communications I

### General

**Subject code**
ENG

**Catalog Number**
107

**Long Description (Catalog Description)**
Prerequisites: English 99 with a grade of C- or higher or appropriate score on WNC placement examination or equivalent examination.
Introduction to expository methods with concentration on specific vocational writing forms including memorandums, formal reports, manuals and proposals. Students will learn how adapt correct paragraph construction to suit the expectations of an occupational audience, in order to communicate clearly and effectively.

### Units

**Min Units:**
3

**Max Units:**
3

## ENG199 - Independent Study

### General

**Subject code**
ENG

**Catalog Number**
199

### Units

**Min Units:**
3

**Max Units:**
3

## ENG200 - Novels Into Film

### General

**Subject code**
ENG

**Catalog Number**
200

**Long Description (Catalog Description)**
Prerequisites: ENG102 or consent of instructor
Studies film and novels to examine the transformation in genre when novels are made into films. Students read novels and view films based on those novels to examine the impact of each form upon the audience as well as to understand the differences between literary and film genre. Emphasizes critical reasoning and writing skills.

### Units

**Min Units:**
3

**Max Units:**
3

## ENG205 - Introduction to Creative Writing

### General

**Subject code**
ENG

**Catalog Number**
205

**Long Description (Catalog Description)**
Prerequisites: ENG102 or consent of instructor
Offers a beginning writers' workshop in poetry, fiction, and creative non-fiction.

**Units**

**Min Units:**
3

**Max Units:**
3

## ENG221 - Writing Fiction

### General

**Subject code**
ENG

**Catalog Number**
221

**Long Description (Catalog Description)**
Prerequisites: ENG102 or consent of instructor
Teaches fiction writing in a workshop setting. Includes lectures and discussion of plot, character, style, and elements of fiction. Students are required to produce several works of short fiction.

**Units**

**Min Units:**
3

**Max Units:**
3

## ENG223 - Themes of Literature

### General

**Subject code**
ENG

**Catalog Number**
223

**Long Description (Catalog Description)**
Prerequisites: ENG 102 or consent of instructor
Offers readings of short stories, poems, plays and novels on a theme selected by the instructor. Course could examine such a topic as the American myth of the frontier or study perceived differences between various multicultural perceptions and attitudes in Europe and the United States.

**Units**

**Min Units:**
3

**Max Units:**
3

## ENG224 - Introduction to Screenwriting

### General

**Subject code**
ENG

**Catalog Number**
224

**Long Description (Catalog Description)**
Prerequisites: None. ENG102 highly recommended
Teaches students to analyze film works with an eye toward how they work as stories; demonstrate an understanding of the screenplay as a written form; apply what is seen on the movie screen to the screenplay format; write and revise the key scenes for a short film screenplay in the appropriate format; expand on scenes to create a complete short film screenplay.

**Units**

**Min Units:**
3

**Max Units:**
3

## ENG226 - Memoir and Autobiography

### General

**Subject code**
ENG

**Catalog Number**
226

**Long Description (Catalog Description)**
Prerequisites: ENG102 or consent of instructor
Offers a writing-intensive class which explores various approaches to writing memoirs, autobiography, family history, autobiography-based fiction, or other "life stories," incorporating the classic elements of the personal essay.

**Units**

**Min Units:**
3

**Max Units:**
3

## ENG261 - Introduction to Poetry

### General

**Subject code**
ENG

**Catalog Number**
261

**Long Description (Catalog Description)**
Prerequisites: ENG101
Reading and discussion of selected British and American poems with attention to form and content.

**Units**

**Min Units:**
3

**Max Units:**
3

## ENG266 - Popular Literature

### General

**Subject code**
ENG

**Catalog Number**
266

**Long Description (Catalog Description)**
Prerequisites: ENG102 or consent of instructor
Studies various forms of popular writing, e.g., best-sellers, the western, science fiction, fantasy, the detective story.

### Units

**Min Units:**
3

**Max Units:**
3

## ENG271 - Introduction to Shakespeare

### General

**Subject code**
ENG

**Catalog Number**
271

**Long Description (Catalog Description)**
Prerequisites: ENG102 or consent of instructor
Examines Shakespeare's principal plays read for their social interest and their literary excellence.

### Units

**Min Units:**
3

**Max Units:**
3

## ENG282 - Intro to Language & Literary Expression

### General

**Subject code**
ENG

**Catalog Number**
282

**Long Description (Catalog Description)**
Explores the forms and function of language with special application to literary study.

### Units

**Min Units:**
3

**Max Units:**
3

## ENG295 - Directed Study in English

### General

**Subject code**
ENG

**Catalog Number**
295

**Long Description (Catalog Description)**
Prerequisites: ENG102
Allows students to pursue individual writing or research projects under the close supervision and guidance of the instructor.

### Units

**Min Units:**
1

**Max Units:**
3

## ENG299 - Special Topics in English

### General

**Subject code**
ENG

**Catalog Number**
299

**Long Description (Catalog Description)**
Includes short courses and experimental classes covering a variety of subjects. May be repeated for up to three credits.

### Units

**Min Units:**
1

**Max Units:**
3

## ENGR100 - Introduction to Engineering Design

### General

**Subject code**
ENGR

**Catalog Number**
100

**Long Description (Catalog Description)**
Provides overview of engineering practice and exposure to the environment which engineers generally work in. Students will have the opportunity to begin developing information retrieval, technical and interpersonal skills that can be used throughout their educational programs and subsequent careers.

### Units

**Min Units:**
3

**Max Units:**
3

## ENGR241 - Statics

### General

**Subject code**
ENGR

**Catalog Number**
241

**Long Description (Catalog Description)**
Prerequisites: PHYS 180 with a "C" or better and Corequisite: MATH 182
Studies Static force systems. Topics include resolution and composition of forces, equilibrium of force systems, friction, centroids, moments of inertia, mass moments of inertia, cables, beams, fluid statics, and work. Same as ME 241.

### Units

**Min Units:**
3

**Max Units:**
3

## ENV100 - Humans and Environment

### General

**Subject code**
ENV

**Catalog Number**
100

**Long Description (Catalog Description)**
Prerequisites: MATH120 or consent of instructor
Provides an interdisciplinary introductory survey of the ecology of natural systems with emphasis on the relationship of humans to the environment. Includes four laboratory experiences.

### Units

**Min Units:**
3

**Max Units:**
3

## ENV101 - Introduction to Environmental Science

### General

**Subject code**
ENV

**Catalog Number**
101

**Long Description (Catalog Description)**
Prerequisite: Math 120 or consent of instructor.
Explores the fundamental components and interactions of earth's natural systems, the relationships between humans and environment, and solutions to current and potential environmental problems.

### Units

**Min Units:**
3

**Max Units:**
3

## EPY150 - Strategies for Academic Success

### General

**Subject code**
EPY

**Catalog Number**
150

**Long Description (Catalog Description)**
Helps students to develop effective and efficient study skills. Students will learn how to learn.

### Units

**Min Units:**
3

**Max Units:**
3

## FREN101 - Conversational French I

### General

**Subject code**
FREN

**Catalog Number**
101

**Long Description (Catalog Description)**
Emphasizes spoken communication. Listening, reading and writing skills will be explored. A vocabulary of French-English words can be developed to suit student needs.

### Units

**Min Units:**
3

**Max Units:**
3

## FREN102 - French, Conversational II

### General

**Subject code**
FREN

**Catalog Number**
102

**Long Description (Catalog Description)**
Prerequisites: FREN101 or consent of instructor
Offers a second semester of Conversational French designed to continue and improve the skills learned in the first semester.

### Units

**Min Units:**
1

**Max Units:**
3

## FREN111 - First Year French I

### General

**Subject code**
FREN

**Catalog Number**
111

**Long Description (Catalog Description)**
Develops language skills through practice in listening, speaking, reading, writing and structural analysis. Includes an introduction to French culture.

### Units

**Min Units:**
4

**Max Units:**
4

## FREN112 - First Year French II

### General

**Subject code**
FREN

**Catalog Number**
112

**Long Description (Catalog Description)**
Prerequisites: FREN111 or equivalent or consent of instructor
Continues with the second semester of the course to build on speaking, writing and reading skills in the French language.

### Units

**Min Units:**
4

**Max Units:**
4

## FREN212 - Second Year French II

### General

**Subject code**
FREN

**Catalog Number**
212

**Long Description (Catalog Description)**
Prerequisites: FREN211 or equivalent or consent of instructor
Continues structural review, conversation and writing and reading in modern literature.

### Units

**Min Units:**
3

**Max Units:**
3

## GEOG103 - Physical Geography of Earth's Environment

### General

**Subject code**
GEOG

**Catalog Number**
103

**Long Description (Catalog Description)**
Prerequisites: None
Teaches the physical processes of geography, including maps, seasons, weather and climate. Includes at least four lab experiences. Lecture may be combined with optional lab GEOG 104.

### Units

**Min Units:**
3

**Max Units:**
3

## GEOG104 - Physical Geography Laboratory

### General

**Subject code**
GEOG

**Catalog Number**
104

**Long Description (Catalog Description)**
Pre or Corequisite: GEOG 103
Offers experimental and in-depth investigations designed to illustrate fundamental principles of physical geography..

### Units

**Min Units:**
1

**Max Units:**
1

## GEOG106 - Introduction to Cultural Geography

### General

**Subject code**
GEOG

**Catalog Number**
106

**Long Description (Catalog Description)**
Analyzes the culture regions of the world including physical settings, peoples, settlements, economic activities, historical and political factions with primary emphasis on the Old World.

### Units

**Min Units:**
3

**Max Units:**
3

## GEOG116 - Oceanography

### General

**Subject code**
GEOG

**Catalog Number**
116

**Long Description (Catalog Description)**
Prerequisites: Math 120 or higher or consent of instructor
Fundamentals of oceanography covering a brief history. Including spatial aspects of geological, physical, chemical and biological oceanography. Emphasis on the role of oceans on climate change in the past, present and future.

### Units

**Min Units:**
3

**Max Units:**
3

## GEOG121 - Climate Change and Its Environmental Impacts

### General

**Subject code**
GEOG

**Catalog Number**
121

**Long Description (Catalog Description)**
Reviews the past, present and likely future climate changes, together with its associated impacts on the landscape, with emphasis on water resources, species distributions, and wildfire regime.

### Units

**Min Units:**
4

**Max Units:**
4

## GEOG200 - World Regional Geography

### General

**Subject code**
GEOG

**Catalog Number**
200

**Long Description (Catalog Description)**
Introduces the world's regions with concentration on parts of the world with which we may be less familiar - many of which are experiencing great changes and have a major impact on our lives in the United States. Specific areas that will be covered include Africa, Asia, and Latin America.

### Units

**Min Units:**
3

**Max Units:**
3

## GEOG211 - Introduction to Maps and Compass

### General

**Subject code**
GEOG

**Catalog Number**
211

**Long Description (Catalog Description)**
Introduces the basics of map interpretation. Covers the characteristics of the map, emphasizing its blending of scientific and artistic aspects. Students will delve into map making, interpretation, aerial photography and the use of a GPS to construct maps.

### Units

**Min Units:**
2

**Max Units:**
2

## GEOL100 - Earthquakes, Volcanoes, and Natural Disasters

### General

**Subject code**
GEOL

**Catalog Number**
100

**Long Description (Catalog Description)**
Investigates geology of the dynamic earth with a focus on geologic hazards. Includes at least four laboratory experiences.

### Units

**Min Units:**
3

**Max Units:**
3

## GEOL101 - Exploring Planet Earth

### General

**Subject code**
GEOL

**Catalog Number**
101

**Long Description (Catalog Description)**
Prerequisites: None
3 hours lecture and 3 hours lab.
Investigates the fundamental principles of physical geology, including plate tectonics, earth materials, geologic time, topographic maps and geologic structures.

### Units

**Min Units:**
4

**Max Units:**
4

## GEOL102 - Earth and Life Through Time

### General

**Subject code**
GEOL

**Catalog Number**
102

**Long Description (Catalog Description)**
Prerequisites: GEOL101
3 hours lecture and 3 hours lab.
Studies the history of the earth and the origins of its landforms, including dating, evolution of organisms, times of extinction, mountain building episodes, and periods of glaciation.

### Units

**Min Units:**
4

**Max Units:**
4

## GEOL105 - Introduction to Geology of National Parks

### General

**Subject code**
GEOL

**Catalog Number**
105

**Long Description (Catalog Description)**
Studies geologic processes through the lens of the national park system. Concepts of geologic time, plate tectonics, and the rock cycle will be explored by studying national parks and monuments that highlight geologic examples of the material presented.

### Units

**Min Units:**
3

**Max Units:**
3

## GEOL111 - Geology of Death Valley National Park

### General

**Subject code**
GEOL

**Catalog Number**
111

**Long Description (Catalog Description)**
Provides a general field experience in geology for students with little or no earth science background. Teaches the basics of rock and landform identification, and the recognition of modern and ancient geologic events through field study of Death Valley National Park.

### Units

**Min Units:**
1

**Max Units:**
2

## GEOL112 - Geology of Eastern Sierra Nevada

### General

**Subject code**
GEOL

**Catalog Number**
112

**Long Description (Catalog Description)**
Provides a general field experience in geology for students with little or no earth science background. Teaches the basics of rock and landform identification, and the recognition of modern and ancient geologic events through field study of the Eastern Sierra Nevada.

### Units

**Min Units:**
1

**Max Units:**
2

## GEOL113 - Geology of Lassen Volcanic National Park

### General

**Subject code**
GEOL

**Catalog Number**
113

**Long Description (Catalog Description)**
Provides a general field experience in geology for students with little or no earth science background. Teaches the basics of volcanic rock identification, history of the Cascade Range, and the recognition of modern and ancient geologic events through field study of Lassen Volcanic National Park.

### Units

**Min Units:**
1

**Max Units:**
2

## GEOL114 - Geology of Lava Beds National Monument

### General

**Subject code**
GEOL

**Catalog Number**
114

**Long Description (Catalog Description)**
Provides a general field experience in geology for students with little or no earth science background. Teaches the basics of volcanic rock and landform identification, and the recognition of modern and ancient geologic events through field study of Lava Beds National Monument.

### Units

**Min Units:**
1

**Max Units:**
1

## GEOL201 - Geology of Nevada

### General

**Subject code**
GEOL

**Catalog Number**
201

**Long Description (Catalog Description)**
Prerequisites: None
Studies how Nevada's geology has changed through time. Includes Nevada's fossils, rocks and minerals, earthquakes and geothermal resources. Includes at least four lab experiences.

### Units

**Min Units:**
3

**Max Units:**
3

## GEOL299 - Special Topics in Geology

### General

**Subject code**
GEOL

**Catalog Number**
299

**Long Description (Catalog Description)**
Applies to assorted short courses and workshops covering a variety of subjects. May be repeated for up to six units.

### Units

**Min Units:**
1

**Max Units:**
5

## HGPS201 - Concepts in Holocaust, Genocide and Peace Studies

### General

**Subject code**
HGPS

**Catalog Number**
201

**Long Description (Catalog Description)**
Prerequisite: None
Analyzes the origins of prejudice, hatred, and dehumanizing policies that culminate in major social conflicts, mass destructions and genocides. Delves into global reaction to crimes against humanity and international laws that bring perpetrators to justice.

### Units

**Min Units:**
3

**Max Units:**
3

## HIST101 - U.S. History to 1877

### General

**Subject code**
HIST

**Catalog Number**
101

**Long Description (Catalog Description)**
Prerequisite: None. Recommended: Completion or corequisite of ENG 101 or eligibility to enroll in ENG 101.
Offers a survey of American history and civilization from the time of the first European settlement to about 1877. Satisfies the United States constitution requirement.

### Units

**Min Units:**
3

**Max Units:**
3

## HIST102 - U.S. History Since 1877

### General

**Subject code**
HIST

**Catalog Number**
102

**Long Description (Catalog Description)**
Prerequisite: None. Recommended: Completion or corequisite of ENG 101 or eligibility to enroll in ENG 101.
Covers American history and civilization since the end of the American Civil War and Reconstruction Era. Satisfies the Nevada Constitution requirement.

### Units

**Min Units:**
3

**Max Units:**
3

## HIST105 - European Civilization to 1648

### General

**Subject code**
HIST

**Catalog Number**
105

**Long Description (Catalog Description)**
Covers the development of Western civilization and history from its beginnings in the valleys of the Nile, Tigris, and Euphrates rivers to the mid-17th century rise of strong nation-states.

### Units

**Min Units:**
3

**Max Units:**
3

## HIST106 - European Civilization Since 1648

### General

**Subject code**
HIST

**Catalog Number**
106

**Long Description (Catalog Description)**
Covers Western civilization and history from the mid-17th century to the present.

### Units

**Min Units:**
3

**Max Units:**
3

## HIST111 - Survey of U.S. Constitutional History

### General

**Subject code**
HIST

**Catalog Number**
111

**Long Description (Catalog Description)**
Teaches the origin, development, history of the Nevada and United States constitutions. Examines the American judicial system through a number of significant decisions and will analyze the individuals who made those decisions.Satisfies the U.S. and Nevada Constitution requirements.

### Units

**Min Units:**
3

**Max Units:**
3

## HIST203 - History of Television

### General

**Subject code**
HIST

**Catalog Number**
203

**Long Description (Catalog Description)**
Prerequisites: None. Recommended: Eng 101
Topical survey of television, focusing on historical context and analysis of television genres and themes. Topics will vary.

### Units

**Min Units:**
3

**Max Units:**
3

## HIST207 - Discover Nevada

### General

**Subject code**
HIST

**Catalog Number**
207

**Long Description (Catalog Description)**
Explores the many historic sites and scenic areas of Nevada, utilizing lecture discussions, slide presentations, readings and videos.

### Units

**Min Units:**
1

**Max Units:**
3

## HIST208 - World History I

### General

**Subject code**
HIST

**Catalog Number**
208

**Long Description (Catalog Description)**
Prerequisites: None. Recommended: Completion or corequisite of ENG 101 or eligibility to enroll ENG 101
A survey of the societies and cultures of Asia, Africa, the Middle East, Europe, the Americas, and Oceania to 1600.

### Units

**Min Units:**
3

**Max Units:**
3

## HIST209 - World History II

### General

**Subject code**
HIST

**Catalog Number**
209

**Long Description (Catalog Description)**
Prerequisites: None. Recommended: Completion or corequisite of ENG 101 or eligibility to enroll ENG 101
A review of the principal developments in world history since 1600, including scientific and technological revolutions, social revolutions, nationalism, immigration, colonialism, world wars, decolonization, modernization, democracy, and dictatorships.

### Units

**Min Units:**
3

**Max Units:**
3

## HIST217 - Nevada History

### General

**Subject code**
HIST

**Catalog Number**
217

**Long Description (Catalog Description)**
Studies Nevada's history from prehistoric times to the present. Examines the early mining and cattle frontiers, the development of towns and the advent of industrialization as well as the 20th century problems of water, energy, and growth. Satisfies the Nevada Constitution requirement.

### Units

**Min Units:**
3

**Max Units:**
3

## HIST225 - Introduction to the Vietnam War

### General

**Subject code**
HIST

**Catalog Number**
225

**Long Description (Catalog Description)**
Survey of U.S. involvement in Vietnam from 1954 to U.S. withdraws in 1975. Provides an overview of the land, history, and culture of Vietnam and the region. In-depth study of the U.S. involvement in Vietnam. Concludes with an overview of post U.S. involvement issues and the present day Vietnam.

### Units

**Min Units:**
3

**Max Units:**
3

## HIST226 - Popular Culture and History: Organized Crime

### General

**Subject code**
HIST

**Catalog Number**
226

**Long Description (Catalog Description)**
Prerequisite: None. Recommended: Completion or corequisite of ENG 101 or eligibility to enroll in ENG 101
Topical survey of popular culture and history, focusing on historical background and utilizing diverse primary and secondary sources. Emphasis on organized crime, predominantly in the 20th & 21st centuries across the globe. Repeatable up to a maximum of 9 credits.

### Units

**Min Units:**
3

**Max Units:**
3

## HIST247 - Introduction to the History of Mexico

### General

**Subject code**
HIST

**Catalog Number**
247

**Long Description (Catalog Description)**
Introduces pre-Columbian Mexico, Colonial New Spain and Mexican national history to the present.

### Units

**Min Units:**
3

**Max Units:**
3

## HIST285 - History of Witchcraft

### General

**Subject code**
HIST

**Catalog Number**
285

**Long Description (Catalog Description)**
Prerequisites: None. Recommended: ENG 101
Addresses the changing definitions of magic, science, religion and law as they pertain to the supernatural from the beginnings of ancient civilizations through the modern era. Topics will include pagan religions, heresy, possession and exorcism, demons, artistic representations, and gender.

### Units

**Min Units:**
3

**Max Units:**
3

## HIST290 - The Roaring 20s

### General

**Subject code**
HIST

**Catalog Number**
290

**Long Description (Catalog Description)**
Prerequisites: None. Recommended: Completion or corequisite of ENG 101 or eligibility to enroll in ENG 101.

Study of American society and culture in the 1920s through the interrelated topics of consumerism, youth culture, the role of the U.S. in the world, post-war retrenchment, the Harlem Renaissance/Jazz Age, and shifting definitions of race and gender.

### Units

**Min Units:**
3

**Max Units:**
3

## HUM101 - Introduction to Humanities

### General

**Subject code**
HUM

**Catalog Number**
101

**Long Description (Catalog Description)**
Offers an interdisciplinary approach to the humanities. Students study major works in art, music, literature, and philosophy with historical framework.

### Units

**Min Units:**
3

**Max Units:**
3

## ITAL101 - Conversational Italian I

### General

**Subject code**
ITAL

**Catalog Number**
101

**Long Description (Catalog Description)**
Emphasizes spoken communication. Listening, reading and writing skills will be explored. A vocabulary of Italian-English words can be developed to suit student needs. As students progress through this four-semester sequence, they will build incrasing fluency in the spearking, reading and writing of Italian.

### Units

**Min Units:**
3

**Max Units:**
3

## ITAL111 - First Year Italian I

### General

**Subject code**
ITAL

**Catalog Number**
111

**Long Description (Catalog Description)**
Prerequisites: None
Introduces the Italian language through the development of language skills and structural analysis. Includes an introduction to Italian culture.

### Units

**Min Units:**
4

**Max Units:**
4

## ITAL112 - First Year Italian II

### General

**Subject code**
ITAL

**Catalog Number**
112

**Long Description (Catalog Description)**
Prerequisites: ITAL111 or consent of instructor
Continues study of the Italian language through the development of language skills and structural analysis. Includes an introduction to Italian culture.

### Units

**Min Units:**
4

**Max Units:**
4

## ITAL211 - Second Year Italian I

### General

**Subject code**
ITAL

**Catalog Number**
211

**Long Description (Catalog Description)**
Prerequisites: ITAL112
Emphasizes structural review, conversation and writing, and readings in modern literature.

### Units

**Min Units:**
3

**Max Units:**
3

## ITAL212 - Second Year Italian II

### General

**Subject code**
ITAL

**Catalog Number**
212

**Long Description (Catalog Description)**
Prerequisites: ITAL211
Continues structural review, conversation and writing, and readings in modern literature.

### Units

**Min Units:**
3

**Max Units:**
3

## JOUR103 - Introduction to Media and Society

### General

**Subject code**
JOUR

**Catalog Number**
103

**Long Description (Catalog Description)**
Course designed to create more critically engaged consumers and producers of media. Gain an understanding of how print, broadcast, audio, video and digital media influence and interact with social conditions on the individual, national, and international levels. Systematically observe, interpret, and critique mass and networked media using principles grounded in the social sciences.

### Units

**Min Units:**
3

**Max Units:**
3

## JOUR120 - Media in Modern Life

### General

**Subject code**
JOUR

**Catalog Number**
120

**Long Description (Catalog Description)**
Explores the profound transition from life with mass media to life in networked media. Researches the meaning of media through anthropological, political and historical perspectives.

### Units

**Min Units:**
3

**Max Units:**
3

## JOUR201 - Media Writing

### General

**Subject code**
JOUR

**Catalog Number**
201

**Long Description (Catalog Description)**
Prerequisites: JOUR103.
Teaches writing in journalistic and persuasive styles for mass media. Emphasis on analysis and organization of information, and clarity of expression.

### Units

**Min Units:**
3

**Max Units:**
3

## JPN111 - First Year Japanese I

### General

**Subject code**
JPN

**Catalog Number**
111

**Long Description (Catalog Description)**
Prerequisites: None
Introduces the language through structural analysis and the writing system. Includes some conversation and an introduction to Japanese culture.

### Units

**Min Units:**
4

**Max Units:**
4

## JPN112 - First Year Japanese II

### General

**Subject code**
JPN

**Catalog Number**
112

**Long Description (Catalog Description)**
Prerequisites: JPN 111
Continues study of the language through structural analysis and the writing system. Includes some conversation and an introduction to Japanese culture.

### Units

**Min Units:**
4

**Max Units:**
4

## JPN211 - Second Year Japanese I

### General

**Subject code**
JPN

**Catalog Number**
211

**Long Description (Catalog Description)**
Prerequisites: JPN 112
Continuation of structural analysis of spoken and written Japanese.

**Units**

**Min Units:**
3

**Max Units:**
3

## JPN212 - Second Year Japanese II

### General

**Subject code**
JPN

**Catalog Number**
212

**Long Description (Catalog Description)**
Prerequisites: JPN 211
Continuation of structural analysis of spoken and written Japanese.

**Units**

**Min Units:**
3

**Max Units:**
3

## MATH20 - Learning Support for MATH 120

### General

**Subject code**
MATH

**Catalog Number**
20

**Long Description (Catalog Description)**
Prerequisites: None. Corequisite: Enrollment in designated section of Math 120.

Provides foundational material to support students in Math 120, Fundamentals of College Mathematics.

**Units**

**Min Units:**
1

**Max Units:**
3

## MATH24 - Learning Support for MATH 124

### General

**Subject code**
MATH

**Catalog Number**
24

**Long Description (Catalog Description)**
Prerequisites: None. Corequisite: Enrollment in designated section of Math 124.
Provides foundational material to support students in Math 124, College Algebra.

**Units**

**Min Units:**
1

**Max Units:**
3

## MATH26 - Learning Support for MATH 126

### General

**Subject code**
MATH

**Catalog Number**
26

**Long Description (Catalog Description)**
Prerequisites: None. Corequisite: Enrollment in designated section of Math 126.
Provides foundational material to support students in Math 126, Precalculus I.

**Units**

**Min Units:**
1

**Max Units:**
3

## MATH90 - Elementary Arithmetic

### General

**Subject code**
MATH

**Catalog Number**
90

**Long Description (Catalog Description)**
Provides individualized instruction in basic math skills including addition, subtraction, multiplication, and division of whole numbers, fractions, and decimals. Intended for students who need a review of whole numbers before studying fractions. Instruction is tailored specifically to each student's needs.

**Units**

**Min Units:**
1

**Max Units:**
3

## MATH91 - Basic Mathematics

### General

**Subject code**
MATH

**Catalog Number**
91

**Long Description (Catalog Description)**
Provides the fundamental operation of whole numbers, fractions and mixed numbers, decimals, percentage, measurement and geometry. The course is intended to provide a thorough review of basics needed in future mathematics courses and in applied fields.

**Units**

**Min Units:**
3

**Max Units:**
3

## MATH92 - Algebra Review

### General

**Subject code**
MATH

**Catalog Number**
92

**Long Description (Catalog Description)**
Prerequisite: Previous success in Intermediate Algebra or Algebra II or higher algebra course.
Provides a review of algebra that will refresh previously taught concepts. Designed for students who have successfully completed Algebra II or Intermediate Algebra or similar course sometime in the past. Provides a condensed review of topics from Intermediate Algebra intended to help students place into the appropriate course via Accuplacer Exam.

**Units**

**Min Units:**
1

**Max Units:**
1

## MATH93 - Pre Algebra

### General

**Subject code**
MATH

**Catalog Number**
93

**Long Description (Catalog Description)**
Prerequisites: MATH91 or equivalent or consent of instructor
Prepares students for MATH 95. Helps students who have experienced difficulties with math to get an introduction to the language and concepts of algebra. Provides a transition from self-paced, basic math to the quick pace required in MATH 95.

**Units**

**Min Units:**
3

**Max Units:**
3

## MATH95 - Elementary Algebra

### General

**Subject code**
MATH

**Catalog Number**
95

**Long Description (Catalog Description)**
Offers a first course in algebra. Topics include operations with signed numbers; algebraic symbols; evaluating formulas; operations with polynominal, radical and rational expressions; solving equations and application problems using algebra; and elementary graphing. Provides a foundation for the math used in business, science, engineering and related fields.

**Units**

**Min Units:**
3

**Max Units:**
3

## MATH96 - Intermediate Algebra

### General

**Subject code**
MATH

**Catalog Number**
96

**Long Description (Catalog Description)**
Offers a second course in algebra. Studies polynomial, rational and radical expressions; linear, quadratic and polynomial equations; linear and absolute value inequalities; relations, functions and their graphs; systems of linear equations; and applications.

**Units**

**Min Units:**
3

**Max Units:**
3

## MATH96D - Algebra Review for Math 126

### General

**Subject code**
MATH

**Catalog Number**
96D

**Long Description (Catalog Description)**
Corequisite: Math 126
Offers a second course in algebra. Includes multiplying, dividing, and factoring polynomial expressions, solving polynomial and rational equations, algebraic techniques involving exponents and radicals, and systems of linear equations.

**Units**

**Min Units:**
2

**Max Units:**
2

## MATH98 - Developmental Mathematics

### General

**Subject code**
MATH

**Catalog Number**
98

**Long Description (Catalog Description)**
Prerequisite: None
Prepares students for college-level mathematics. Self-paced, computer aided course designed to provide students with the concepts and skills of pre, elementary and intermediate algebra.

**Units**

**Min Units:**
3

**Max Units:**
5

## MATH100 - Math for Allied Health and Public Safety

### General

**Subject code**
MATH

**Catalog Number**
100

**Long Description (Catalog Description)**
Prerequisites: None
Reviews basic mathematics with emphasis on those skills that apply to calculating drug dosages. Includes fractions, decimals, proportions, percents, English apothecary and metric systems of measurements.

### Units

**Min Units:**
1

**Max Units:**
1

## MATH110 - Mathematics for Industry

### General

**Subject code**
MATH

**Catalog Number**
110

**Long Description (Catalog Description)**
Covers fractions, decimals, percentages, ratios, proportions, measurement, geometry, and briefly, the fundamentals of algebra and right triangle trigonometry.

### Units

**Min Units:**
3

**Max Units:**
3

## MATH120 - Fundamentals of College Mathematics

### General

**Subject code**
MATH

**Catalog Number**
120

**Long Description (Catalog Description)**
Prerequisite: Success in intermediate algebra, algebra II, MATH 96 or similar course is recommended as preparation for this course. Students should meet with a Counselor to determine readiness based on placement or equivalent exam, high school coursework, or other factors.

Studies probability, statistics, business, finance and consumer mathematics. Course is broad in scope and emphasizes applications.

### Units

**Min Units:**
3

**Max Units:**
3

## MATH122 - Number Concepts for Elementary School Teachers

### General

**Subject code**
MATH

**Catalog Number**
122

**Long Description (Catalog Description)**
Prerequisites: MATH120 or consent of instructor
Introduces elementary problem solving with emphasis on the nature of numbers and the structure of the real number system. Designed for students seeking a teaching certificate in elementary education.

### Units

**Min Units:**
3

**Max Units:**
3

## MATH123 - Statistical & Geometrical Concepts for Elementary School Teachers

### General

**Subject code**
MATH

**Catalog Number**
123

**Long Description (Catalog Description)**
Prerequisites: MATH120 or consent of instructor
Presents elementary problem solving with emphasis on patterns and geometric relationships. Designed for students seeking a teaching certificate in elementary education.

### Units

**Min Units:**
3

**Max Units:**
3

## MATH124 - College Algebra

### General

**Subject code**
MATH

**Catalog Number**
124

**Long Description (Catalog Description)**
Prerequisites: Success in intermediate algebra, algebra II, MATH 96 or similar course is recommended as preparation for this course. Students should meet with a WNC Counselor to determine readiness based on placement or equivalent exam, high school coursework, or other factors.

Covers equations and inequalities; relations and functions; linear, quadratic, polynomial, exponential, and logarithmic functions; systems of linear equations.

### Units

**Min Units:**
3

**Max Units:**
3

## MATH126 - Precalculus I

### General

**Subject code**
MATH

**Catalog Number**
126

**Long Description (Catalog Description)**
Prerequisite: Success in intermediate algebra, algebra II, MATH 96 or similar course is recommended as preparation for this course. Students should meet with a Counselor to determine readiness based on placement or equivalent exam, high school coursework, or other factors.

Provides a third course in algebra. Topics include: polynomial, rational and radical equations; absolute value and quadratic inequalities; relations and functions; linear, quadratic, polynomial exponential and logarithmic functions, their graphs and applications; and systems of equations.

### Units

**Min Units:**
3

**Max Units:**
3

## MATH127 - Precalculus II

### General

**Subject code**
MATH

**Catalog Number**
127

**Long Description (Catalog Description)**
Prerequisites: MATH 126 with a grade of C- or higher; or, ACT MATH score of 25 or higher or SAT MATH score of 560 or higher; or, a grade of B- or better in high school precalculus; or appropriate score on the WNC placement exam; or, consent of instructor.

Studies circular functions, trigonometric identities and equations, conic sections, complex numbers, and discrete algebra.

### Units

**Min Units:**
3

**Max Units:**
3

## MATH128 - Precalculus and Trigonometry

### General

**Subject code**
MATH

**Catalog Number**
128

**Long Description (Catalog Description)**
Prerequisites: MATH 096 with a grade of C- or better or appropriate score on the WNC math placement or equivalent exam or three units of high school mathematics at the level of algebra and above with a grade of C- or better within the last three years.
Studies relations, functions and their graphs; polynomial, rational, exponential, logarithm and trigonometric functions; analytic trigonometry; systems of equations and inequalities; conics; mathematical induction; sequences and series.

### Units

**Min Units:**
5

**Max Units:**
5

## MATH176 - Introductory Calculus for Business & Social Sciences

### General

**Subject code**
MATH

**Catalog Number**
176

**Long Description (Catalog Description)**
Prerequisites: MATH 124, 126 or 128 or equivalent with a grade of C- or better; or, ACT MATH score of 25 or higher or SAT MATH score of 560 or higher; or, a grade of B- or better in high school precalculus; or, appropriate score on the WNC placement exam; or consent of instructor.
Instructs students in fundamental ideas of analytical geometry and calculus. Includes plane coordinates, graphs, functions, limits, derivatives, integrals, the fundamental theorem of calculus. Includes applications to rates, extremalization, and interpretation of integrals.

### Units

**Min Units:**
3

**Max Units:**
3

## MATH181 - Calculus I

### General

**Subject code**
MATH

**Catalog Number**
181

**Long Description (Catalog Description)**
Prerequisites: MATH 127 or MATH 128 with a grade of C- or better; or, ACT MATH score of 28 or higher or SAT MATH score of 630 or higher; or, a grade of B- or better in high school trigonometry and precalculus; or, appropriate score on the WNC placement exam; or, consent of instructor.
Offers fundamental concepts of analytical geometry and calculus, functions, graphs, limits, derivatives, and integrals.

### Units

**Min Units:**
4

**Max Units:**
4

## MATH182 - Calculus II

### General

**Subject code**
MATH

**Catalog Number**
182

**Long Description (Catalog Description)**
Prerequisites: MATH181 or equivalent or consent of instructor.
Teaches transcendental functions, methods of integration, conics, vectors.

### Units

**Min Units:**
4

**Max Units:**
4

## MATH251 - Discrete Mathematics I

### General

**Subject code**
MATH

**Catalog Number**
251

**Long Description (Catalog Description)**
Prerequisite: Math 182
A first course in discrete mathematics that provides an introduction to logic, set theory, relations, functions, digraphs, and cardinality.

**Units**

**Min Units:**
3

**Max Units:**
3

## MATH283 - Calculus III

### General

**Subject code**
MATH

**Catalog Number**
283

**Long Description (Catalog Description)**
Prerequisites: MATH182 or equivalent or consent of instructor
Covers infinite series, vectors, differential and integral calculus of functions of several variables, and introduction to vector analysis.

**Units**

**Min Units:**
4

**Max Units:**
4

## MATH285 - Differential Equations

### General

**Subject code**
MATH

**Catalog Number**
285

**Long Description (Catalog Description)**
Prerequisites: MATH283
Presents methods of solving ordinary differential equations with application to physical systems. Includes systems of equations, series solution, numerical solution, and Laplace transforms.

**Units**

**Min Units:**
3

**Max Units:**
3

## MATH299 - Directed Study

### General

**Subject code**
MATH

**Catalog Number**
299

**Long Description (Catalog Description)**
Prerequisite: Consent of instructor.
Provides individual study conducted under the direction of a faculty member.

**Units**

**Min Units:**
1

**Max Units:**
3

## MATH330 - Linear Algebra

### General

**Subject code**
MATH

**Catalog Number**
330

**Long Description (Catalog Description)**
Prerequisite: Math 283
Vector analysis continued; abstract vector spaces; bases, inner products; projections; orthogonal complements, least squares; linear maps, structure theorems; elementary spectral theory; applications.

**Units**

**Min Units:**
3

**Max Units:**
3

## ME198 - Cooperative Training Report

### General

**Subject code**
ME

**Catalog Number**
198

**Long Description (Catalog Description)**
Prerequisites: enrollment in engineering program
Guides students in preparation of written reports based on cooperative program assignments.

**Units**

**Min Units:**
1

**Max Units:**
1

## ME241 - Mechanical Engineering: Statics

### General

**Subject code**
ME

**Catalog Number**
241

**Long Description (Catalog Description)**
Prerequisites: PHYS 180; Corequisites: MATH 182 or consent of instructor.
Studies static force systems. Topics include resolution and composition of forces, equilibrium of force systems, friction and various constraints, moments of inertia, cables, beams, fluid static, and work.

**Units**

**Min Units:**
3

**Max Units:**
3

## ME242 - Dynamics

### General

**Subject code**
ME

**Catalog Number**
242

**Long Description (Catalog Description)**
Prerequisites: ME 241 or consent of instructor.
Studies kinematics and kinetics of particles and rigid bodies in two and three dimensions; relative motion; work and energy; impulse and momentum.

**Units**

**Min Units:**
3

**Max Units:**
3

## MUS103 - Voice Class I

### General

**Subject code**
MUS

**Catalog Number**
103

**Long Description (Catalog Description)**
Teaches fundamentals of tone production, breath control and practical techniques involved in reading and interpreting songs.

**Units**

**Min Units:**
3

**Max Units:**
3

## MUS104 - Voice Class II

### General

**Subject code**
MUS

**Catalog Number**
104

**Long Description (Catalog Description)**
Prerequisites: MUS103
Continues the skills learned in MUS 103.

**Units**

**Min Units:**
3

**Max Units:**
3

## MUS107 - Guitar Class I

### General

**Subject code**
MUS

**Catalog Number**
107

**Long Description (Catalog Description)**
Studies basic guitar technique, bluegrass, classical and rock styles. No previous musical training required.

**Units**

**Min Units:**
2

**Max Units:**
3

## MUS108 - Guitar Class II

### General

**Subject code**
MUS

**Catalog Number**
108

**Long Description (Catalog Description)**
Prerequisites: MUS107 or consent of instructor
Continues development of skills learned in MUS 107.

**Units**

**Min Units:**
2

**Max Units:**
3

## MUS111 - Piano Class I

### General

**Subject code**
MUS

**Catalog Number**
111

**Long Description (Catalog Description)**
Introduces the piano, including instruction in note reading, technique, theory and easy repertoire. Students work in a laboratory setting, each using their own electronic piano.

**Units**

**Min Units:**
3

**Max Units:**
3

## MUS112 - Piano Class II

### General

**Subject code**
MUS

**Catalog Number**
112

**Long Description (Catalog Description)**
Prerequisites: MUS111 or consent of instructor
Provides a continuation of MUS 111, a class in basic piano technique and theory.

**Units**

**Min Units:**
3

**Max Units:**
3

## MUS121 - Music Appreciation

### General

**Subject code**
MUS

**Catalog Number**
121

**Long Description (Catalog Description)**
Analyzes styles and forms of music from the Middle Ages through the 20th century, and discusses musical instruments and major composers.

**Units**

**Min Units:**
2

**Max Units:**
3

## MUS124 - History of the American Musical Theater

### General

**Subject code**
MUS

**Catalog Number**
124

**Long Description (Catalog Description)**
Offers a cultural, musical and theatrical survey of musical theatre in the United States, from the mid-nineteenth century to the present.

### Units

**Min Units:**
3

**Max Units:**
3

## MUS125 - History of Rock Music

### General

**Subject code**
MUS

**Catalog Number**
125

**Long Description (Catalog Description)**
Explains how cultural, social, political and economic conditions have shaped rock music's evolution. Familiarizes the student with the history of rock music from its origins in Blues through contemporary rock styles. Prominent players and groups of each era will be covered, as well as sociological, economic and cultural factors that shaped the many styles of rock music. Extensive classroom listening will enhance the student's learning experience.

### Units

**Min Units:**
3

**Max Units:**
3

## MUS134 - Jazz Appreciation

### General

**Subject code**
MUS

**Catalog Number**
134

**Long Description (Catalog Description)**
Covers how Jazz music's evolution as an art form unique to the United States has both shaped and reflected the construction of our national identity. Teaches how social and cultural events led to the development of jazz music from 1890 through the 1960's. Prominent players and groups of each era will be covered, as well as sociological, economic and cultural factors that shaped the many styles of American Jazz as evolved.

### Units

**Min Units:**
3

**Max Units:**
3

## MUS176 - Musical Theatre Practicum I

### General

**Subject code**
MUS

**Catalog Number**
176

**Long Description (Catalog Description)**
Performance ensemble, centered on public performance of musical theatre literature. Repeatable up to 9 units.

### Units

**Min Units:**
1

**Max Units:**
3

## MUS215 - Technique of Songwriting

### General

**Subject code**
MUS

**Catalog Number**
215

**Long Description (Catalog Description)**
Offers a practical course in composing pop music. Analysis of hit songs and discussion of songs written by the class. Each student will compose melodies and lyrics, helping the poet with music and the musician with poetry.

### Units

**Min Units:**
3

**Max Units:**
3

## MUS224 - Special Studies in Music Literature

### General

**Subject code**
MUS

**Catalog Number**
224

**Long Description (Catalog Description)**
Prerequisites: pianists should be of intermediate level proficiency
Focuses in depth on a special topic in music literature. Topics might include Baroque, classical, romantic, or 20th century keyboard literature. Students will explore musical topics through both lecture and their own performance of representative works. Class may be repeated for up to six credits.

### Units

**Min Units:**
2

**Max Units:**
3

## MUS233 - Recording Techniques and Midi I

### General

**Subject code**
MUS

**Catalog Number**
233

**Long Description (Catalog Description)**
Covers topics such as the job market, mics, consoles, tape recorders, and special effects. Teaches concepts including signal flow, multi-tracking, EQ, signal processing, MIDI, mixing and mastering. Students will learn to turn a Mac or PC into a multi-track studio.

### Units

**Min Units:**
2

**Max Units:**
2

## MUS253 - Jazz Improvisation I

### General

**Subject code**
MUS

**Catalog Number**
253

**Long Description (Catalog Description)**
Introduces the techniques of jazz improvisation in a laboratory setting.

### Units

**Min Units:**
2

**Max Units:**
2

## MUS276 - Musical Theatre Practicum II

### General

**Subject code**
MUS

**Catalog Number**
276

**Long Description (Catalog Description)**
Prerequisite: Six units of MUS 176.
Continues skills learned in MUS 176.
Repeatable up to 9 units.

### Units

**Min Units:**
1

**Max Units:**
3

## MUS299 - Special Topics in Music

### General

**Subject code**
MUS

**Catalog Number**
299

### Units

**Min Units:**
1

**Max Units:**
3

## MUSA101 - Bass-Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
101

**Long Description (Catalog Description)**
Provides a personal introduction to the study and performance of music for bass. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA103 - Basson-Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
103

**Long Description (Catalog Description)**
Introduces students to the study and performance of music for bassoon. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA105 - Cello-Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
105

**Long Description (Catalog Description)**
Provides a personal introduction to the study and performance of music for cello. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA107 - Clarinet-Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
107

**Long Description (Catalog Description)**
Introduces students to the study and performance of music for clarinet. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA109 - Drum Set

### General

**Subject code**
MUSA

**Catalog Number**
109

**Long Description (Catalog Description)**
Provides individual instruction in the technique and repertoire of drum set. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
1

## MUSA111 - Euphonium - Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
111

**Long Description (Catalog Description)**
Provides a personal introduction to the study and performance of music for euphonium. No previous musical training required. Class may be repeated for a total of 4 credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA113 - Flute-Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
113

**Long Description (Catalog Description)**
Introduces students to the study and performance of music for flute. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA115 - Guitar

### General

**Subject code**
MUSA

**Catalog Number**
115

**Long Description (Catalog Description)**
Provides individual instruction in the technique and repertoire of the guitar. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
4

## MUSA121 - Horn - Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
121

**Long Description (Catalog Description)**
Provides personal introduction to the study and performance of music for horn. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA123 - Oboe - Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
123

**Long Description (Catalog Description)**
Provides personal introduction to the study and performance of music for horn. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
1

## MUSA125 - Organ-Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
125

**Long Description (Catalog Description)**
Provides individual instruction in the technique and repertoire of the organ.

### Units

**Min Units:**
1

**Max Units:**
1

## MUSA127 - Percussion-Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
127

**Long Description (Catalog Description)**
Offers private instruction in the study and performance of percussion instruments. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA129 - Piano-Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
129

**Long Description (Catalog Description)**
Considers performance and analysis of keyboard literature from various musical eras, instruction of keyboard technique and application of basic music theory to piano literature. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA131 - Saxophone-Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
131

**Long Description (Catalog Description)**
Introduces students to the study and performance of music for saxophone. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA135 - Trombone-Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
135

**Long Description (Catalog Description)**
Provides personal introduction to the study and performance of music for trombone. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA137 - Trumpet-Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
137

**Long Description (Catalog Description)**
Provides personal introduction to the study and performance of music for trumpet. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA139 - Tuba-Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
139

**Long Description (Catalog Description)**
Provides personal introduction to the study and performance of music for tuba. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA141 - Viola-Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
141

**Long Description (Catalog Description)**
Provides personal introduction to the study and performance of music for viola. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA143 - Violin-Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
143

**Long Description (Catalog Description)**
Provides personal introduction to the study and performance of music for violin. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA145 - Voice-Lower Division

### General

**Subject code**
MUSA

**Catalog Number**
145

**Long Description (Catalog Description)**
Introduces the correct and pleasing use of the singing voice through a well balanced and coordinated study of vocal literature and exercises. Class may be repeated for a total of four credits. Fee covers cost of 14 half-hour private lessons.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSA146 - Voice II

### General

**Subject code**
MUSA

**Catalog Number**
146

**Long Description (Catalog Description)**
Continues development of correct and pleasing use of the voice for singers through study of vocal literature and exercises.

### Units

**Min Units:**
1

**Max Units:**
2

## MUSE101 - Concert Choir

### General

**Subject code**
MUSE

**Catalog Number**
101

**Long Description (Catalog Description)**
Teaches representative choral music of all periods. Choir is featured in concerts throughout the WNC service area. May be repeated for a total of four credits.

### Units

**Min Units:**
1

**Max Units:**
1

## MUSE111 - Concert Band

### General

**Subject code**
MUSE

**Catalog Number**
111

**Long Description (Catalog Description)**
Prerequisites: Consent of instructor; audition required.
Introduces study and performance of orchestral music. Class may be repeated for a total of four credits.

### Units

**Min Units:**
1

**Max Units:**
1

## MUSE131 - Jazz Ensemble

### General

**Subject code**
MUSE

**Catalog Number**
131

**Long Description (Catalog Description)**
Prerequisites: intermediate proficiency on a band instrument
Introduces study and performance of jazz ensemble literature. May be repeated for up to 4 credits.

### Units

**Min Units:**
1

**Max Units:**
1

## MUSE135 - Jazz Vocal Ensemble

### General

**Subject code**
MUSE

**Catalog Number**
135

**Long Description (Catalog Description)**
Prerequisites: instrumentalists should be of intermediate level proficiency. No prerequisites for vocalists
Explores a variety of musical styles, including pop, rock and jazz. Class may be repeated for a total of eight credits.

### Units

**Min Units:**
1

**Max Units:**
1

## NS105 - Introduction to Neuroscience

### General

**Subject code**
NS

**Catalog Number**
105

**Long Description (Catalog Description)**
Presents basic principles in biological science, including neural function and cognition. Topics will range from the electrical basis of brain function to higher-order cognitive processes and neurodegenerative diseases. Applications will also be introduced, from the treatment and impact of neurological diseases on society, to how we can use computational models of the brain. Same as BIOL 150 & PSY 105.

### Units

**Min Units:**
3

**Max Units:**
3

## PEX105 - Scuba

### General

**Subject code**
PEX

**Catalog Number**
105

**Long Description (Catalog Description)**
Features PADI Open Water Dive and teaches foundational knowledge and skills needed to dive with a buddy, independent of supervision. Open Water Divers are qualified to obtain air fills, equipment, and services, and may plan, conduct, and log no stop dives in conditions with which they have training and experience.

### Units

**Min Units:**
1

**Max Units:**
1

## PEX107 - Swimming

### General

**Subject code**
PEX

**Catalog Number**
107

**Long Description (Catalog Description)**
Covers water safety, floating, the backstroke, Austrian crawl and other strokes. May be offered at the beginning or intermediate level.

### Units

**Min Units:**
1

**Max Units:**
1

## PEX112 - Baseball

### General

**Subject code**
PEX

**Catalog Number**
112

**Long Description (Catalog Description)**
Focuses on advanced baseball skill development, competition techniques and strategy for highly skilled, first year participants in competitive baseball. May be repeated for up to six credits

### Units

**Min Units:**
1

**Max Units:**
1

## PEX117 - Golf

### General

**Subject code**
PEX

**Catalog Number**
117

**Long Description (Catalog Description)**
Cover fundamentals of golf.

### Units

**Min Units:**
1

**Max Units:**
2

## PEX122 - Raquetball

### General

**Subject code**
PEX

**Catalog Number**
122

**Long Description (Catalog Description)**
Covers the fundamentals of racquetball.

### Units

**Min Units:**
1

**Max Units:**
2

## PEX125 - Softball

### General

**Subject code**
PEX

**Catalog Number**
125

**Long Description (Catalog Description)**
Focuses on advanced softball skill development, competition techniques and strategy for highly skilled participants in competitive softball. May be repeated for up to six credits.

### Units

**Min Units:**
1

**Max Units:**
1

## PEX127 - Tennis

### General

**Subject code**
PEX

**Catalog Number**
127

**Long Description (Catalog Description)**
Introduces the basic rules, techniques, fundamentals, and strategies concerned with the game of tennis. Intermediate and advanced levels perfect and build upon the skills taught in the beginning level. May be offered at the beginning, intermediate and advanced levels.

### Units

**Min Units:**
2

**Max Units:**
2

## PEX130 - Backpacking

### General

**Subject code**
PEX

**Catalog Number**
130

**Long Description (Catalog Description)**
Covers the fundamentals of backpacking. Safety skills will also be discussed.

### Units

**Min Units:**
1

**Max Units:**
1

## PEX136 - Snow Boarding

### General

**Subject code**
PEX

**Catalog Number**
136

**Long Description (Catalog Description)**
Prerequisites: intermediate snowboarding ability
Teaches skidded turn with good speed and control on green and blue terrain. Consists of a combination of on-the-snow classes at an established ski area and classroom instruction at the college. Students will be assigned to small groups based on their present snowboarding ability. Any additional on-snow instruction will be by certified instructors employed by the ski area.

### Units

**Min Units:**
1

**Max Units:**
1

## PEX139 - Wilderness Skills

### General

**Subject code**
PEX

**Catalog Number**
139

**Long Description (Catalog Description)**
Provides basic survival information. May include field trips to allow students hands-on experience in the field.

### Units

**Min Units:**
1

**Max Units:**
1

## PEX142 - Judo

### General

**Subject code**
PEX

**Catalog Number**
142

**Long Description (Catalog Description)**
Provides students with the basic elements of the martial arts of Jujitsu and Judo, to enable them to gain greater control of their bodies and their emotions. May be offered at the beginning or intermediate level.

### Units

**Min Units:**
1

**Max Units:**
6

## PEX143 - Karate

### General

**Subject code**
PEX

**Catalog Number**
143

**Long Description (Catalog Description)**
Covers the basic history, philosophy and origins of Karate systems. Students are provided with demonstrations of the basic moves and are allowed to practice the moves with feedback. May be offered at the beginning or intermediate level.

### Units

**Min Units:**
1

**Max Units:**
2

## PEX148 - Tai Chi

### General

**Subject code**
PEX

**Catalog Number**
148

**Long Description (Catalog Description)**
Familiarizes students with the forms, sequence and movements of Tai Chi. May be offered at the beginning or intermediate level.

### Units

**Min Units:**
1

**Max Units:**
3

## PEX151 - Bicycling

### General

**Subject code**
PEX

**Catalog Number**
151

**Long Description (Catalog Description)**
Covers the fundamentals of bicycling.

### Units

**Min Units:**
1

**Max Units:**
3

## PEX154 - Dance

### General

**Subject code**
PEX

**Catalog Number**
154

**Long Description (Catalog Description)**
Explores dance positions, leading and following, and proper usage of rhythm. May be offered at the beginning or intermediate level. May be repeated for up to four credits.

### Units

**Min Units:**
1

**Max Units:**
1

## PEX159 - Horsemanship

### General

**Subject code**
PEX

**Catalog Number**
159

**Long Description (Catalog Description)**
Helps students understand the principles of dressage and show jumping and to improve their skills in both sports. may be offered at the beginning or intermediate level.

**Units**

**Min Units:**
1

**Max Units:**
2

## PEX169 - Yoga

### General

**Subject code**
PEX

**Catalog Number**
169

**Long Description (Catalog Description)**
Covers asana postures with emphasis on alignment and working with modifications for students who have injuries and need to adjust their postures. Breathing, meditation, and chanting incorporated. Presents the benefits, history and different styles and types of yoga.

**Units**

**Min Units:**
1

**Max Units:**
2

## PEX170 - Aerobics

### General

**Subject code**
PEX

**Catalog Number**
170

**Long Description (Catalog Description)**
Engages students in cardiovascular activity for sustained time periods through a low impact, high intensity format. May be offered at the beginning or intermediate level.

**Units**

**Min Units:**
1

**Max Units:**
4

## PEX172 - Body Contouring & Conditioning

### General

**Subject code**
PEX

**Catalog Number**
172

**Long Description (Catalog Description)**
Seeks to enhance physical activity to improve overall health and quality of life. Students will learn knowledge of muscle groups, target heart rate, and the potential benefits of regular exercise which includes improved cardiovascular endurance, body composition, flexibility, muscular strength and improved body contour. Students will participate in aerobic activities, calisthenics, and sculpting-isometric exercise, sports, conditioning, and flexibility training.

**Units**

**Min Units:**
1

**Max Units:**
3

## PEX176 - General Physical Fitness

### General

**Subject code**
PEX

**Catalog Number**
176

**Long Description (Catalog Description)**
Covers general physical fitness.

**Units**

**Min Units:**
1

**Max Units:**
2

## PEX180 - Strength Training

### General

**Subject code**
PEX

**Catalog Number**
180

**Long Description (Catalog Description)**
Introduces resistance training and proper lifting techniques to strength (weight)training students. Safety rules, proper use of equipment and concepts of lifting will be emphasized.

**Units**

**Min Units:**
1

**Max Units:**
2

## PEX183 - Weight Training

### General

**Subject code**
PEX

**Catalog Number**
183

**Long Description (Catalog Description)**
Introduces students to weight training principles.

**Units**

**Min Units:**
0.5

**Max Units:**
3

## PEX184 - Conditioning, Intercollegiate Athletics

### General

**Subject code**
PEX

**Catalog Number**
184

**Long Description (Catalog Description)**
Prerequisites: consent of instructor
Teaches the fundamentals of general and sports specific conditioning. All aspects of physical and psychological development are incorporated in this class. Strength, power, speed, acceleration, muscular hypertrophy and endurance, cardiovascular endurance, motor skills and agility drills are taught and practiced. The class will include general physical preparation sport fitness, plyometrics, agility drills and sports specific conditioning. The students will learn about the principle of year-round conditioning, including conditioning appropriate to the off-season, preparatory period, pre-competition period and competition period.

### Units

**Min Units:**
1

**Max Units:**
1

## PEX193 - Intercollegiate Soccer

### General

**Subject code**
PEX

**Catalog Number**
193

**Long Description (Catalog Description)**
Prerequisites: must be a member of the WNC soccer team
Participation on the intercollegiate soccer team. May be repeated for up to 6 credits.

### Units

**Min Units:**
1

**Max Units:**
3

## PEX199 - Special Topics

### General

**Subject code**
PEX

**Catalog Number**
199

**Long Description (Catalog Description)**
Offers special topics which vary across semesters. A maximum of six credits may be applied towards a WNC degree.

### Units

**Min Units:**
1

**Max Units:**
3

## PHIL101 - Introduction to Philosophy

### General

**Subject code**
PHIL

**Catalog Number**
101

**Long Description (Catalog Description)**
Prerequisites: ENG 101 recommended
Studies basic problems in different areas of philosophy such as ethics, political theory, metaphysics, and epistemology.

### Units

**Min Units:**
3

**Max Units:**
3

## PHIL102 - Critical Thinking & Reasoning

### General

**Subject code**
PHIL

**Catalog Number**
102

**Long Description (Catalog Description)**
Covers nonsymbolic introduction to logical thinking in everyday life, law, politics, science, advertising; common fallacies; and the uses of language, including techniques of persuasion.

### Units

**Min Units:**
3

**Max Units:**
3

## PHIL114 - Introduction to Logic

### General

**Subject code**
PHIL

**Catalog Number**
114

**Long Description (Catalog Description)**
Introduces symbolic logic. Studies the principles of correct reasoning, using the symbolic techniques of propositional calculus and basic quantifier calculus.

### Units

**Min Units:**
3

**Max Units:**
3

## PHIL135 - Introduction to Ethics

### General

**Subject code**
PHIL

**Catalog Number**
135

**Long Description (Catalog Description)**
Provides an introduction to representative classical ethical theories.

### Units

**Min Units:**
3

**Max Units:**
3

## PHIL145 - Religion in American Life

### General

**Subject code**
PHIL

**Catalog Number**
145

### Units

**Min Units:**
3

**Max Units:**
3

## PHIL200 - Judeo-Christian Tradition

### General

**Subject code**
PHIL

**Catalog Number**
200

**Long Description (Catalog Description)**
Studies the major religious philosophic beliefs found in the Old and New Testaments along with the way these concepts were modified in post-biblical cosmology.

### Units

**Min Units:**
3

**Max Units:**
3

## PHIL203 - Introduction to Existentialism

### General

**Subject code**
PHIL

**Catalog Number**
203

**Long Description (Catalog Description)**
Reviews readings from Kierkegaard, Nietzsche, Jaspers, Sarte, Heidegger. An examination of the existentialist concepts: "being" and "nonbeing," "estrangement," "dread," "anxiety" and "freedom."

### Units

**Min Units:**
3

**Max Units:**
3

## PHIL204 - Introduction to Contemporary Philosophy

### General

**Subject code**
PHIL

**Catalog Number**
204

**Long Description (Catalog Description)**
Reviews the late 19th century movements as basis for the study of 20th century developments in thought from Nietzsche through existentialism, neopositivism, and American naturalism.

### Units

**Min Units:**
3

**Max Units:**
3

## PHIL207 - Introduction to Political Philosophy

### General

**Subject code**
PHIL

**Catalog Number**
207

**Long Description (Catalog Description)**
Provides readings and discussion of theories concerning the nature of society and political structure from classical and contemporary philosophers.

### Units

**Min Units:**
3

**Max Units:**
3

## PHIL210 - World Religions

### General

**Subject code**
PHIL

**Catalog Number**
210

**Long Description (Catalog Description)**
Prerequisites: ENG 101 recommended
Examines the main moral and religious views of world religions.

### Units

**Min Units:**
3

**Max Units:**
3

## PHIL224 - Science, Mind, and Philosophy

### General

**Subject code**
PHIL

**Catalog Number**
224

**Long Description (Catalog Description)**
Studies philosophical problems and implications of historical and contemporary scientific inquiry, e.g. the nature of laws, theories, explanations, scientific revolutions, values, relations of science and society.

### Units

**Min Units:**
3

**Max Units:**
3

## PHIL245 - Contemporary Moral Issues

### General

**Subject code**
PHIL

**Catalog Number**
245

**Long Description (Catalog Description)**
Prerequisite: None. Recommended: ENG 101
Explores topical questions in practical ethics, e.g., war and terrorism, world hunger, abortion, racial discrimination, gender roles, the environment from a multicultural perspective.

### Units

**Min Units:**
3

**Max Units:**
3

## PHIL299 - Special Topics: Philosophy

### General

**Subject code**
PHIL

**Catalog Number**
299

### Units

**Min Units:**
1

**Max Units:**
3

## PHYS100 - Introductory Physics

### General

**Subject code**
PHYS

**Catalog Number**
100

**Long Description (Catalog Description)**
Prerequisites: MATH120,MATH126 or higher
Introduces students to a broad range of concepts in physics from basic classical mechanics to modern physics. Students will conduct at least four experiments with many demonstrations performed throughout the course.

### Units

**Min Units:**
3

**Max Units:**
3

## PHYS151 - General Physics I

### General

**Subject code**
PHYS

**Catalog Number**
151

**Long Description (Catalog Description)**
Prerequisites: MATH126 & MATH127,or MATH128 or equivalent.
For non-physical science majors. Topics include kinematics, Newton's laws of motion, energy and momentum conservation, rotational dynamics, thermodynamics, fluids, harmonic motion, and sound. Laboratory experiments illustrate many of these fundemental principles.

### Units

**Min Units:**
4

**Max Units:**
4

## PHYS152 - General Physics II

### General

**Subject code**
PHYS

**Catalog Number**
152

**Long Description (Catalog Description)**
Prerequisites: PHYS151.
For non-physical science majors. Topics include electricity, magnetism, electromagnetic waves, optics, relativity, introductory quantum physics, atomic physics, and nuclear physics. Laboratory experiments illustrate many of these fundamental principles.¿

### Units

**Min Units:**
4

**Max Units:**
4

## PHYS180 - Physics for Scientists and Engineers I

### General

**Subject code**
PHYS

**Catalog Number**
180

**Long Description (Catalog Description)**
Prerequisite: MATH 181. Corequisite: PHYS 180L.
Explores vectors, rectilinear motion, particle dynamics, work and energy, momentum, rotational mechanics, oscillations, gravitation, fluids, wave properties and sound. Students must co-enroll in both lecture and lab to receive credit.

### Units

**Min Units:**
3

**Max Units:**
3

## PHYS180L - Physics for Scientists and Engineers Lab I

### General

**Subject code**
PHYS

**Catalog Number**
180L

**Long Description (Catalog Description)**
Prerequisites: MATH181 ; Corequisites: PHYS180
Explores vectors, rectilinear motion, particle dynamics, work and energy, momentum, rotational mechanics, oscillations, gravitation, fluids, wave properties and sound. Students must co-enroll in both lecture and lab to receive credit.

### Units

**Min Units:**
1

**Max Units:**
1

## PHYS181 - Physics for Scientists and Engineers II

### General

**Subject code**
PHYS

**Catalog Number**
181

**Long Description (Catalog Description)**
Prerequisites: MATH 182 AND PHYS 180. Corequisite: PHYS 181L.
Explores electric fields, potential, current, dielectrics, circuits, magnetic fields, electromagnetic oscillations, thermodynamics and kinetic theory of gases. Students must co-enroll in both lecture and lab to receive credit.

### Units

**Min Units:**
3

**Max Units:**
3

## PHYS181L - Physics for Science and Engineers Lab II

### General

**Subject code**
PHYS

**Catalog Number**
181L

**Long Description (Catalog Description)**
Prerequisites: MATH182 & PHYS180 ; Corequisites: PHYS181
Explores electric fields, potential, current, dielectrics, circuits, magnetic fields, electromagnetic oscillations, thermodynamics and kinetic theory of gases. Students must co-enroll in both lecture and lab to receive credit.

### Units

**Min Units:**
1

**Max Units:**
1

## PHYS182 - Physics for Scientists and Engineers III

### General

**Subject code**
PHYS

**Catalog Number**
182

**Long Description (Catalog Description)**
Prerequisite: PHYS 181. Corequisite: PHYS 182L.
Explores light, optical systems, relativity, wave aspects of particles, quantum mechanics, statistical mechanics, semiconductors, radioactivity, nuclear physics and particles. Students must co-enroll in both lecture and lab to receive credit.

### Units

**Min Units:**
3

**Max Units:**
3

## PHYS182L - Physics for Scientists and Engineers Lab III

### General

**Subject code**
PHYS

**Catalog Number**
182L

**Long Description (Catalog Description)**
Prerequisites: MATH182 & PHYS181; Corequisites: PHYS182
Explores light, optical systems, relativity, wave aspects of particles, quantum mechanics, statistical mechanics, semiconductors, radioactivity, nuclear physics and particles. Students must co-enroll in both lecture and lab to receive credit.

### Units

**Min Units:**
1

**Max Units:**
1

## PHYS293 - Directed Study

### General

**Subject code**
PHYS

**Catalog Number**
293

**Long Description (Catalog Description)**
Prerequisites: PHYS151 or PHYS180
Provides individual study conducted under the direction of a faculty member. May be repeated for up to six credits.

### Units

**Min Units:**
1

**Max Units:**
3

## PSC100 - Nevada Constitution

### General

**Subject code**
PSC

**Catalog Number**
100

**Long Description (Catalog Description)**
Prerequisite: None.
An introduction to the political system of Nevada through an examination of the state¿s constitution. PSC 100 satisfies the Nevada Constitution requirement.

### Units

**Min Units:**
1

**Max Units:**
1

## PSC101 - Introduction to American Politics

### General

**Subject code**
PSC

**Catalog Number**
101

**Long Description (Catalog Description)**
Prerequisite: None. Recommended: Completion or corequisite of ENG 101 or eligibility to enroll in ENG 101.
Studies American government and the discipline of political science; surveys participation, pursuit and use of power, constitution formation and contemporary political issues. Satisfies United States and Nevada Constitution requirements.

### Units

**Min Units:**
3

**Max Units:**
3

## PSC103 - Principles of American Constitutional Government

### General

**Subject code**
PSC

**Catalog Number**
103

**Long Description (Catalog Description)**
Studies constitutions of U.S. and Nevada with specific attention to various principles and current problems of government. Satisfies United States and Nevada Constitution requirements.

### Units

**Min Units:**
3

**Max Units:**
3

## PSC208 - Survey of State & Local Government

### General

**Subject code**
PSC

**Catalog Number**
208

**Long Description (Catalog Description)**
Prerequisite: None. Recommend completion or corequisite of ENG 100 or ENG 101
Survey of the organization, working principles and functional processes of state and local governments in the United States, including Nevada. Satisfies the Nevada Constitution requirement. Examines governing institutions such as city councils, school boards and state legislatures whose decisions immediately impact our everyday lives. Specific attention is given to civic engagement, i.e., the different ways that people may participate within our democratic system to change communities for the better. May include: field trips to meetings, guest speakers from local offices since the college is situated in the state's capital.

### Units

**Min Units:**
3

**Max Units:**
3

## PSC210 - American Public Policy

### General

**Subject code**
PSC

**Catalog Number**
210

**Long Description (Catalog Description)**
Prerequisite: None. Recommended prerequisite or corequisite: ENG 101, or eligibility to enroll in ENG 101.
Explores an analysis of the interplay of forces involved in policy-making at all levels of American government. Studies the impact of policy on individuals and institutions.

### Units

**Min Units:**
3

**Max Units:**
3

## PSC211 - Introduction to Comparative Politics

### General

**Subject code**
PSC

**Catalog Number**
211

**Long Description (Catalog Description)**
Prerequisites: None. Recommended: Completion or corequisite of ENG 101 or ability to enroll in ENG 101.
Provides an analysis of similarities and differences in the governing processes of different societies.

### Units

**Min Units:**
3

**Max Units:**
3

## PSC231 - Introduction to International Relations

### General

**Subject code**
PSC

**Catalog Number**
231

**Long Description (Catalog Description)**
Prerequisite: None. Recommended: Completion or corequisite of ENG 101 or eligibility to enroll in ENG 101.
Explores policy making institutions, foreign policies and politics of various nations.

### Units

**Min Units:**
3

**Max Units:**
3

## PSY101 - General Psychology

### General

**Subject code**
PSY

**Catalog Number**
101

**Long Description (Catalog Description)**
Introduces the field of psychology. Covers major principles and their application to the study of human behavior.

### Units

**Min Units:**
3

**Max Units:**
3

## PSY102 - Psychology of Personal/Social Adjustment

### General

**Subject code**
PSY

**Catalog Number**
102

**Long Description (Catalog Description)**
Focuses on understanding and applying psychological principles and theories to personal development and human relationships.

### Units

**Min Units:**
2

**Max Units:**
3

## PSY105 - Introduction to Neuroscience

### General

**Subject code**
PSY

**Catalog Number**
105

**Long Description (Catalog Description)**
Presents basic principles in biological science, including neural function and cognition. Topics will range from the electrical basis of brain function to higher-order cognitive processes and neurodegenerative diseases. Applications will also be introduced, from the treatment and impact of neurological diseases on society, to how we can use computational models of the brain. Same as BIOL 105 & NS 105.

### Units

**Min Units:**
3

**Max Units:**
3

## PSY120 - The Psychology of Human Performance

### General

**Subject code**
PSY

**Catalog Number**
120

**Long Description (Catalog Description)**
Prerequisites: PSY101 or consent of instructor
Surveys the psychology of human performance. Explores the psychological, emotional, and strategic dimensions of human performance. Emphasis will be to provide students with a comprehensive background that they can apply to their own performance areas.

### Units

**Min Units:**
3

**Max Units:**
3

## PSY130 - Human Sexuality

### General

**Subject code**
PSY

**Catalog Number**
130

**Long Description (Catalog Description)**
Covers major topics in human sexuality such as gender, sexual anatomy, sexually-transmitted diseases, sexual response and disorders, sexual orientation, sexual coercion, and commercial sex.

### Units

**Min Units:**
3

**Max Units:**
3

## PSY210 - Introduction to Statistical Methods

### General

**Subject code**
PSY

**Catalog Number**
210

**Long Description (Catalog Description)**
Prerequisites: PSY101,SOC101 & MATH096 or consent of instructor
Develops an understanding of statistical methods and training in the useful presentation and interpretation of behavioral science data, including elementary computer use. Same as SOC 210.

### Units

**Min Units:**
3

**Max Units:**
4

## PSY220 - Principles of Educational Psychology

### General

**Subject code**
PSY

**Catalog Number**
220

**Long Description (Catalog Description)**
Prerequisites: PSY101 or consent of instructor
Introduces the application of psychology principles of learning and cognitive development.

### Units

**Min Units:**
3

**Max Units:**
3

## PSY230 - Intro to Personality Psychology

### General

**Subject code**
PSY

**Catalog Number**
230

**Long Description (Catalog Description)**
Introduces students to personality testing and the major approaches to the study of personality, including the influence of heredity, learning, the unconscious, etc.

### Units

**Min Units:**
3

**Max Units:**
3

## PSY233 - Child Psychology

### General

**Subject code**
PSY

**Catalog Number**
233

**Long Description (Catalog Description)**
Prerequisites: PSY101 or consent of instructor
Explains the growth and development of children from conception through early adolescence.

### Units

**Min Units:**
2

**Max Units:**
3

## PSY234 - Psychology of Adolescence

### General

**Subject code**
PSY

**Catalog Number**
234

**Long Description (Catalog Description)**
Prerequisites: PSY101 or consent of instructor
Examines psychological development during adolescence with emphasis on special problems in American society: drug abuse, pregnancy, and familial problems.

### Units

**Min Units:**
2

**Max Units:**
3

## PSY240 - Introduction to Research Methods

### General

**Subject code**
PSY

**Catalog Number**
240

**Long Description (Catalog Description)**
Prerequisites: PSY101 or consent of instructor
Introduces how hypotheses are objectively tested in the social sciences, including research design, data collection, and interpretation of results.

### Units

**Min Units:**
3

**Max Units:**
3

## PSY241 - Introduction to Abnormal Psychology

### General

**Subject code**
PSY

**Catalog Number**
241

**Long Description (Catalog Description)**
Prerequisites: PSY101 or consent of instructor
Covers causes, symptoms, and treatments of major psychological disorders, including anxiety, dissociative, mood, somatoform, eating, schizophrenia and substance-related disorders.

### Units

**Min Units:**
3

**Max Units:**
3

## PSY257 - Introduction to Positive Psychology

### General

**Subject code**
PSY

**Catalog Number**
257

**Long Description (Catalog Description)**
Prerequisites: PSY101. Recommended: COM102 and SOC 101.
Explores the scope of this new branch of Psychology. Key topics include: the history of Positive Psychology, positivity, learned optimism, purpose, handling adversity and resilience, happiness and well-being, personality development and integration, and positive relationships.

### Units

**Min Units:**
3

**Max Units:**
3

## PSY261 - Introduction to Social Psychology

### General

**Subject code**
PSY

**Catalog Number**
261

**Long Description (Catalog Description)**
Prerequisites: PSY101,SOC101 or consent of instructor
Examines how the presence of others influences thoughts and behavior, including research on close relationships, persuasion, stereotyping, aggression, and group dynamics.

### Units

**Min Units:**
3

**Max Units:**
3

## PSY275 - Undergraduate Research

### General

**Subject code**
PSY

**Catalog Number**
275

**Long Description (Catalog Description)**
Prerequisites: PSY101 & PSY210&PSY240
Requires independent or collaborative research.

### Units

**Min Units:**
3

**Max Units:**
3

## PSY280 - The Making of a Murderer

### General

**Subject code**
PSY

**Catalog Number**
280

**Long Description (Catalog Description)**
A broad examination of the phenomenon of murders both historically and currently. This course provides a detailed introduction and examination of serial murder, focusing on biological, psychological, and sociological explanations for psychopathic, sociopathic,antisocial personality disorders.

### Units

**Min Units:**
3

**Max Units:**
3

## PSY299 - Special Topics

### General

**Subject code**
PSY

**Catalog Number**
299

**Long Description (Catalog Description)**
Explores special topics which vary across semesters. A maximum of three credits may be applied towards a WNC degree.

### Units

**Min Units:**
1

**Max Units:**
3

## PSY342 - Forensic Psychology

### General

**Subject code**
PSY

**Catalog Number**
342

**Long Description (Catalog Description)**
Prerequisites: PSY 101 or consent of instructor; Demonstrate reason in criminal law and the difference between psychological syndromes and psychological profiles; identify the effects of unsupported scientific concepts in the US legal system; define the biological and ethological explanations of aggression and understand why antisocial and narcissistic personalities are prone to aggression; explain the various motive-based typologies of serial killers; describe the connection between terrorism and mental illness; produce reasoned arguments regarding cultural competence and multiculturalism in law enforcement; communicate the basics of the cognitive interview, its strengths and its weaknesses; explain the factors that make a person vulnerable to forced confessions and be define false memories and confabulation; identify the essential features of a psychological competency evaluation; describe how voir dire is used to determine juror bias and how juror personality attributes can affect jury verdicts; understand treatment techniques for child abuse, child sexual abuse offenders, domestic violence, PTSD, and terrorism-induced psychological disturbances.

### Units

**Min Units:**
3

**Max Units:**
3

## READ95 - Reading and Improvement

### General

**Subject code**
READ

**Catalog Number**
95

**Long Description (Catalog Description)**
Improves fundamental reading skills, including word-attack skills, vocabulary development, reading comprehension, fluency, and interpretation.

### Units

**Min Units:**
3

**Max Units:**
3

## READ135 - College Reading Strategies

### General

**Subject code**
READ

**Catalog Number**
135

**Long Description (Catalog Description)**
Prerequisites: READ093 with a C or better, reading placement exam, or consent of instructor
Helps the average reader improve reading efficiency through practice with advanced comprehension skills. Reading rate is thereby improved indirectly. Students with heavy academic or on-the-job reading will benefit. Attention is also given to expanding reading vocabularies.

### Units

**Min Units:**
3

**Max Units:**
3

## SOC101 - Principles of Sociology

### General

**Subject code**
SOC

**Catalog Number**
101

**Long Description (Catalog Description)**
Explains sociological principles underlying the development, structure, and function of culture, society, human groups, personality formation and social change.

### Units

**Min Units:**
3

**Max Units:**
3

## SOC102 - Contemporary Social Issues

### General

**Subject code**
SOC

**Catalog Number**
102

**Long Description (Catalog Description)**
Prerequisites: SOC101 or consent of instructor
Acquaints students with selected social problems, their causes and possible solutions.

**Units**

**Min Units:**
3

**Max Units:**
3

## SPAN101 - Spanish, Conversational I

### General

**Subject code**
SPAN

**Catalog Number**
101

**Long Description (Catalog Description)**
Emphasizes spoken communication. Listening skills, reading and writing skills will be explored. A vocabulary of Spanish-English words can be developed to suit student needs. As students progress through this four-semester sequence they will build increasing fluency in the speaking, reading and writing of Spanish.

**Units**

**Min Units:**
3

**Max Units:**
3

## SPAN102 - Conversational Spanish II

### General

**Subject code**
SPAN

**Catalog Number**
102

**Long Description (Catalog Description)**
Prerequisites: SPAN101B or consent of instructor
Offers a second semester of Conversational Spanish designed to continue and improve the skills learned in the first semester.

**Units**

**Min Units:**
3

**Max Units:**
3

## SPAN103 - Conversational Spanish III

### General

**Subject code**
SPAN

**Catalog Number**
103

**Long Description (Catalog Description)**
Prerequisites: SPAN102B or consent of instructor
Further develops skills learned in previous semesters.

**Units**

**Min Units:**
3

**Max Units:**
3

## SPAN104 - Conversational Spanish IV

### General

**Subject code**
SPAN

**Catalog Number**
104

**Long Description (Catalog Description)**
Prerequisites: SPAN103
Continues the development of language skills through practice in listening, speaking, reading and writing; and structural analysis. Includes an introduction to Spanish culture.

**Units**

**Min Units:**
3

**Max Units:**
3

## SPAN111 - First Year Spanish I

### General

**Subject code**
SPAN

**Catalog Number**
111

**Long Description (Catalog Description)**
Develops language skills through practice in listening, speaking, reading, writing and structural analysis. Includes an introduction to Spanish culture.

**Units**

**Min Units:**
4

**Max Units:**
4

## SPAN112 - First Year Spanish II

### General

**Subject code**
SPAN

**Catalog Number**
112

**Long Description (Catalog Description)**
Prerequisites: SPAN111 or equivalent or consent of instructor
Develops language skills through practice in listening, speaking, reading and writing; and structural analysis.

**Units**

**Min Units:**
4

**Max Units:**
4

## SPAN211 - Second Year Spanish I

### General

**Subject code**
SPAN

**Catalog Number**
211

**Long Description (Catalog Description)**
Prerequisites: SPAN112 or equivalent
Considers structural review, conversation and writing, and readings in modern literature.

**Units**

**Min Units:**
3

**Max Units:**
3

## SPAN212 - Second Year Spanish II

### General

**Subject code**
SPAN

**Catalog Number**
212

**Long Description (Catalog Description)**
Prerequisites: SPAN211
Continues structural review, conversation and writing, and readings in modern literature.

### Units

**Min Units:**
3

**Max Units:**
3

## SPAN226 - Spanish for Heritage Speakers I

### General

**Subject code**
SPAN

**Catalog Number**
226

**Long Description (Catalog Description)**
Prerequisite: None; students should have some bilingual communications skills. Designed for native Spanish speaking students who want to improve their literacy in the language. Students will study and practice basic Spanish grammar for improving and developing written and oral communications and reading skills while exploring some of the most interesting and important aspects of their own history and culture.

### Units

**Min Units:**
3

**Max Units:**
3

## SPAN227 - Spanish for Heritage Speakers II

### General

**Subject code**
SPAN

**Catalog Number**
227

**Long Description (Catalog Description)**
Prerequisite: SPAN 226 or instructor consent; students should have some bilingual communications skills;
Continuation of SPAN 226, designed for native Spanish speaking students who want to improve their literacy in the language. Students will study and practice Spanish grammar for improving and developing written and oral communication and reading skills while exploring some of the most interesting and important aspects of their own history and culture.

### Units

**Min Units:**
3

**Max Units:**
3

## STAT52 - Learning Support for STAT 152

### General

**Subject code**
STAT

**Catalog Number**
52

**Long Description (Catalog Description)**
Prerequisite: None. Corequisite: Enrollment in designated section of STAT 152. Provides foundational material to support students in STAT 152, Introduction to Statistics.

### Units

**Min Units:**
1

**Max Units:**
3

## STAT152 - Introduction to Statistics

### General

**Subject code**
STAT

**Catalog Number**
152

**Long Description (Catalog Description)**
Prerequisites: Success in intermediate algebra, algebra II, MATH 96 or similar course is recommended as preparation for this course. Students should meet with a Counselor to determine readiness based on placement or equivalent exam, high school coursework, or other factors.

Introduces statistics, probability models, statistical estimation and hypothesis testing, linear regression analysis, and special topics.

### Units

**Min Units:**
3

**Max Units:**
3

## SW101 - Introduction to Social Work

### General

**Subject code**
SW

**Catalog Number**
101

**Long Description (Catalog Description)**
Introduces the profession of social work within a historical context. Emphasis on values, human diversity, analysis of social problem solving and fields of practice.

### Units

**Min Units:**
3

**Max Units:**
3

## SW230 - Crisis Intervention

### General

**Subject code**
SW

**Catalog Number**
230

**Long Description (Catalog Description)**
Analyzes types of crisis theory, effects of crisis on the individual, family and community. Looks at methods and resources for crisis intervention.

**Units**

**Min Units:**
3

**Max Units:**
3

## SW250 - Social Welfare History and Policy Practice

### General

**Subject code**
SW

**Catalog Number**
250

**Long Description (Catalog Description)**
Explores the historical development of the social work profession and current policies governing the social service delivery system within the United States. Presents social policy as a social construction influenced by a range of ideologies and interests. Special attention is paid to social welfare policy and programs relevant to the practice of social work, including poverty, child and family well-being, mental and physical disability, health, and racial, ethnic, and sexual minorities. Includes a focus on the role of policy in creating, maintaining or eradicating social inequities.

**Units**

**Min Units:**
3

**Max Units:**
3

## SW310 - Structural Oppression

### General

**Subject code**
SW

**Catalog Number**
310

**Long Description (Catalog Description)**
Prerequisite: SW 101 and SW 250
First course in a two course sequence that promotes a multidimensional understanding of human functioning and behavior across systems and the life course. Specifically examines human behavior manifested in larger systems as well as the reciprocal relationship between individual functioning and social institutions. Orients students to social work perspectives that view human behavior as being influenced and impinged upon by environmental forces. Advances student's ability to critically examine the role of power, privilege and oppression in shaping life experiences.

**Units**

**Min Units:**
3

**Max Units:**
3

## SW311 - Theoretical Perspectives on Human Behavior

### General

**Subject code**
SW

**Catalog Number**
311

**Long Description (Catalog Description)**
Prerequisites: SW 310
Second course in two-course sequence that promotes a multidimensional understanding of human functioning and behavior across systems and the life course. Specifically examines human behavior and functioning among individuals and families. Emphasizes an evidence-informed approach to assessing human functioning. Advances student ability to critically apply a range of theories and research to better understand and assess human behavior and development.

**Units**

**Min Units:**
3

**Max Units:**
3

## SW321 - Foundations of Engagement and Professionalism in Social Work

### General

**Subject code**
SW

**Catalog Number**
321

**Long Description (Catalog Description)**
Prerequisite: SW 101 and 250.
Focuses on the development of basis communication and observational skills needed for subsequent social work methods courses. Addresses communications topics including: active listening, questioning, empathetic responding, paraphrasing, summarizing, persuasive writing, and nov-verbal communication. Emphasizes developing observation and communication skills that capture events in ways that are descriptive, accurate, and unbiased. Stresses the importance of nonjudgmental and unbiased communication and rapport. Examines the roles of power differentials, gender, culture, class, context, and ethnicity/race on professional communication.

**Units**

**Min Units:**
3

**Max Units:**
3

## THTR100 - Introduction to Theater

### General

**Subject code**
THTR

**Catalog Number**
100

**Long Description (Catalog Description)**
Studies plays of the classic and modern periods, of genres such as tragedy, comedy, farce, and melodrama, and of the art and craft of theatre.

**Units**

**Min Units:**
3

**Max Units:**
3

## THTR105 - Introduction to Acting I

### General

**Subject code**
THTR

**Catalog Number**
105

**Long Description (Catalog Description)**
Examines fundamentals of stage acting with special emphasis on improvisation. Introduces the principles that govern the performing environment. Speech and vocal skills as well as theatrical movement will be stressed. Emphasis is on the preparation aspect of acting rather than on performance.

### Units

**Min Units:**
3

**Max Units:**
3

## THTR116 - Musical Theatre Dance

### General

**Subject code**
THTR

**Catalog Number**
116

**Long Description (Catalog Description)**
Introduces beginning techniques of tap dance.

### Units

**Min Units:**
1

**Max Units:**
1

## THTR121 - Make-Up for the Actor

### General

**Subject code**
THTR

**Catalog Number**
121

**Long Description (Catalog Description)**
Acquaints the student with the beginning principles of makeup and progresses to character makeup.

### Units

**Min Units:**
1

**Max Units:**
3

## THTR176 - Musical Theatre Workshop I

### General

**Subject code**
THTR

**Catalog Number**
176

**Long Description (Catalog Description)**
Features performance of musical theatre productions. May be repeated to a maximum of eight credits. Same as MUS 176.

### Units

**Min Units:**
1

**Max Units:**
8

## THTR180 - Cinema as Art & Communication

### General

**Subject code**
THTR

**Catalog Number**
180

**Long Description (Catalog Description)**
Surveys cinema in its diverse forms. Course uses films to show historical and stylistic influences on the aesthetic values and social implications of cinema.

### Units

**Min Units:**
3

**Max Units:**
3

## THTR198 - Special Topics in Theater

### General

**Subject code**
THTR

**Catalog Number**
198

**Long Description (Catalog Description)**
Focuses in depth on a special topic in theater.

### Units

**Min Units:**
1

**Max Units:**
6

## THTR204 - Theatre Technology I

### General

**Subject code**
THTR

**Catalog Number**
204

**Long Description (Catalog Description)**
Introduces the backstage world of the theatre by the study of lighting and sound systems and of technical stage riggings. Students will gain practical experience by serving as the crew for a college theatrical production.

### Units

**Min Units:**
3

**Max Units:**
3

## THTR205 - Introduction to Acting II

### General

**Subject code**
THTR

**Catalog Number**
205

**Long Description (Catalog Description)**
Continues acting principles presented in Introduction to Acting I with an emphasis on the classics.

### Units

**Min Units:**
3

**Max Units:**
3

## THTR209 - Theatre Practicum

### General

**Subject code**
THTR

**Catalog Number**
209

**Long Description (Catalog Description)**
Offers practical experience in stage productions.

**Units**

**Min Units:**
1

**Max Units:**
6

## THTR219 - Projects in Technical Theater

### General

**Subject code**
THTR

**Catalog Number**
219

**Long Description (Catalog Description)**
Offers an in-depth study of some technical aspect of theater. Through practical application students can explore lighting, set art, set construction, sound, set design or rigging.

**Units**

**Min Units:**
1

**Max Units:**
3

## THTR240 - Acting for the Camera

### General

**Subject code**
THTR

**Catalog Number**
240

**Long Description (Catalog Description)**
Introduces the concept and practice of performing on camera and working with directors. Performance and discussion of scenes from television, film, and commercials. Discussion of the business of the entertainment industry.

**Units**

**Min Units:**
3

**Max Units:**
3

## THTR247 - Beginning Improvisation

### General

**Subject code**
THTR

**Catalog Number**
247

**Long Description (Catalog Description)**
Explores basic theatrical improvisation for general students. Focuses on spontaneity, flexibility, and structure. Variety of theatrical styles and improvisational techniques explored.

**Units**

**Min Units:**
3

**Max Units:**
3

## THTR258 - Theatre Experience and Travel

### General

**Subject code**
THTR

**Catalog Number**
258

**Long Description (Catalog Description)**
Field study class in which students travel to an arranged destination for the purpose of play viewing, play study and possible workshop attendance.

**Units**

**Min Units:**
1

**Max Units:**
2

## THTR276 - Musical Theatre Workshop II

### General

**Subject code**
THTR

**Catalog Number**
276

**Long Description (Catalog Description)**
Prerequisites: MUS176,THTR176
Continues skills learned in THTR 176 or MUS 176. Offers a workshop in the techniques of musical theatre. May be repeated to a maximum of nine credits. Same as MUS 176.

**Units**

**Min Units:**
2

**Max Units:**
3

# Nursing & Allied Health Department

## Nursing and Allied Health

The Nursing and Allied Health Division at WNC offers an Associate of Applied Science Degree (AAS) in Nursing and courses in Laboratory Technician (LTE). The mission of the division is to prepare students for transfer to four-year colleges and/or to provide them with the knowledge they need for their careers.

- **Registered Nursing**
- **Laboratory Technician**

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**Many of our clinical sites require students to be fully vaccinated for COVID-19 as well as Influenza during the flu season (Oct 1-May 31) in order to be on-site at their clinical organizations. Exemptions are at the discretion of the clinical site organizations.**

### Enrollment Process

**Please note that the process for enrolling in LTE classes *may take up to four weeks* to complete due to immunization and other requirements.** Please begin the enrollment process early.

Nursing program classes are conducted at both the **Carson City** and **Fallon** campuses.

- Choose and print the appropriate Immunization Checklist below for the class you want to take.

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### Health Insurance

Students enrolled in the following courses/programs are required to carry major medical health insurance:

- **Associate Degree Nursing Program:** For more information about admission into the nursing program, visit the **Nursing Program Degree page**

It is the responsibility of the student to maintain major medical insurance while enrolled in these courses/program. The student's failure to maintain major medical health insurance while enrolled in these courses/program will result in the student's administrative dismissal from the course/program. ***Immunizations must be kept up to date.***

### Immunization Checklists

**Laboratory Technician (LTE) Immunization Checklist and Documents**

The Associate Degree of Nursing program at Western Nevada College meets the state education requirements for a registered nursing license in the state of Nevada. Western Nevada College has not determined if the Associate Degree of Nursing program at Western Nevada College meets the state education requirements in any other state, any U.S. Territory, or the District of Columbia.

### Nevada Nurse Practice Act

- **https://www.leg.state.nv.us/NRS/NRS-632.html**
- **https://www.leg.state.nv.us/NAC/NAC-632.html**

### Accreditation

The WNC nursing program is fully accredited by the **Accreditation Commission for Education in Nursing**. The Accreditation Commission for Education in Nursing is located at:

3343 Peachtree Road NE, Suite 850
Atlanta, Georgia 30326
(404) 975-5000

# Programs

## CNA - Certified Nursing Assistant (Skills Certificate)

### General

#### Catalog Display Name
Certified Nursing Assistant (Skills Certificate)

#### Catalog Full Description
A Certified Nursing Assistant is an individual who, under the direction of a licensed nurse, typically provides basic nursing care for patients in long-term and acute care facilities. CNAs are educated to assist patients with activities of daily living such as bathing, feeding and dressing, and to help maintain a safe and protective care environment. As they have extensive daily contact with patients, CNAs also play a key role in communicating information/observations to the nurse.

This course prepares students to take the Nevada licensing exam for certification as a nursing assistant.

#### Simple Requirements

**Program Requirements**

**Program Requirement**

**Type**
Completion Requirement

Required Courses (6 credits)

**Complete ALL of the following Courses:**

- NURS130 - Nursing Assistant

# EMTA - Advanced Emergency Medical Technician (Skills Certificate)

## General

### Catalog Display Name
Advanced Emergency Medical Technician (Skills Certificate)

### Catalog Full Description
For certified EMTs, WNC offers training for career advancement. Students will learn to incorporate knowledge of basic and advanced emergency medical care for critically ill and emergent patients to reduce the morbidity and mortality associated with acute out-of-hospital medical and traumatic emergencies.

### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (7.5 credits)

**Earn at least 7.5 credits from the following:**

- EMS115 - Advanced Emergency Medical Technician

** Current Nevada State EMT Certification is a required prerequisite for EMS 115.*

**Additional Comments:**
**OTHER IMPORTANT INFORMATION:**

- EMT/AEMT learning activities are scheduled on and o campus on days, evenings and weekends.
- Course organization requires students to have basic computer skills, including the ability to navigate various online learning programs.
- Clinical experiences take place at acute care hospitals, clinics and other medical facilities.
- Field experience takes place on an ALS ambulance or ALS/ILS Fire Department Engine/Rescue under the direct supervision of a preceptor.
- Documentation and currency of the following is required prior to acceptance into the EMS 108 and/or EMS 115 courses:
  - An acceptable physical examination and required immunizations and tests.
  - Current CPR certication American Heart Association Healthcare Provider.
  - Major medical health insurance (card required).
  - An acceptable background check.

**For EMS 115 an EMT Nevada State Certification is required. National Registry Certification will not be accepted.*

## Learning Outcomes

### Learning Outcomes
Learning outcomes are not integrated with Peoplesoft and exist as a "Coursedog Only" element.

**Institutional Student Learning Oucome**
SLO 1 - Content Knowledge, SLO 2 - Communication, SLO 3 - Quantitative Literacy, SLO 4 - Information Literacy, SLO 5 - Diversity & Society, SLO 6 - Critical Thinking, SLO 7 - Career Preparation

**Objective**
Demonstrate behaviors consistent with professional and employer expectations of an entry-level EMT/AEMT

**Institutional Student Learning Oucome**
SLO 1 - Content Knowledge, SLO 2 - Communication, SLO 3 - Quantitative Literacy, SLO 4 - Information Literacy, SLO 5 - Diversity & Society, SLO 6 - Critical Thinking, SLO 7 - Career Preparation

**Objective**
Demonstrate proficiency in all skills necessary to fulfill the role of an entry-level EMT/AEMT

**Institutional Student Learning Oucome**
SLO 1 - Content Knowledge, SLO 2 - Communication, SLO 3 - Quantitative Literacy, SLO 4 - Information Literacy, SLO 5 - Diversity & Society, SLO 6 - Critical Thinking, SLO 7 - Career Preparation

**Objective**
Demonstrate the ability to comprehend, evaluate and apply information relative to the role of an entry-level EMT/AEMT.

# EMTB - Emergency Medical Technician Basic (Skills Certificate)

## General

### Catalog Display Name
Emergency Medical Technician Basic (Skills Certificate)

### Catalog Full Description
EMS courses will prepare individuals with the knowledge and skills to assess and care for patients in an emergency or in an out-of-hospital setting. Courses are offered in a sequential series.  Completion of selected courses is designed to prepare students to take the National Registry Examination for EMT-Basic and the appropriate Nevada EMS certification examination for Advanced EMT.

EMS 108 prepares students to take the National Registry Examination for Emergency Medical Technician (EMT) - Basic.

### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (7.5 credits)

**Complete ALL of the following Courses:**

- EMS108 - Emergency Medical Technician

**Additional Comments:**
**OTHER IMPORTANT INFORMATION:**

- EMT/AEMT learning activities are scheduled on and off campus on days, evenings and weekends.
- Course organization requires students to have basic computer skills, including the ability to navigate various online learning programs.
- Clinical experiences take place at acute care hospitals, clinics and other medical facilities.
- Field experience takes place on an ALS ambulance or ALS/ILS Fire Department Engine/Rescue under the direct supervision of a preceptor.
- Documentation and currency of the following is required prior to acceptance into the EMS 108 and/or EMS 115 courses:
    - An acceptable physical examination and required immunizations and tests.
    - Current CPR certication American Heart Association Healthcare Provider.
    - Major medical health insurance (card required).
    - An acceptable background check.

**A background check may be required by some clinical sites prior to the start of clinical experiences. Information about how to meet this requirement will be explained by the course instructor. Drug screening may be required by health care organizations. See the Nursing & Allied Health website for the process and procedures to follow.**

## Learning Outcomes

### Learning Outcomes
Learning outcomes are not integrated with Peoplesoft and exist as a "Coursedog Only" element.

**Institutional Student Learning Oucome**
SLO 1 - Content Knowledge, SLO 2 - Communication, SLO 3 - Quantitative Literacy, SLO 4 - Information Literacy, SLO 5 - Diversity & Society, SLO 6 - Critical Thinking, SLO 7 - Career Preparation

**Objective**
Demonstrate behaviors consistent with professional and employer expectations of an entry-level EMT.

**Institutional Student Learning Oucome**
SLO 1 - Content Knowledge, SLO 2 - Communication, SLO 3 - Quantitative Literacy, SLO 4 - Information Literacy, SLO 5 - Diversity & Society, SLO 6 - Critical Thinking, SLO 7 - Career Preparation

**Objective**
Demonstrate proficiency in all skills necessary to fulfill the role of an entry-level EMT.

**Institutional Student Learning Oucome**
SLO 1 - Content Knowledge, SLO 2 - Communication, SLO 3 - Quantitative Literacy, SLO 4 - Information Literacy, SLO 5 - Diversity & Society, SLO 6 - Critical Thinking, SLO 7 - Career Preparation

**Objective**
Demonstrate the ability to comprehend, evaluate and apply information relative to the role of an entry-level EMT.

# HS-AAS - Health Science (Associate of Applied Science)

## General

### Catalog Display Name
Health Science (Associate of Applied Science)

### Catalog Full Description
Assists students to apply for the WNC nursing program and provides the coursework toward potential transfer degrees in community health, public health, health education and related areas. Also can prepare students for health-related careers in emergency medical science, laboratory technician, nursing assistant and related areas.

### Simple Requirements

**Program Requirements**

**Program Requirements (36 credits)**

**Type**
Completion Requirement

**Complete ALL of the following Courses:**
- PBH101 - Foundations of Public Health
- BIOL190 - Intro to Cell & Molecular Biology
  **OR** CHEM121 - General Chemistry I
- PSY101 - General Psychology

Program Electives (26 credits)

**Earn at least 26 credits from the following:**
- ANTH101 - Introduction to Cultural Anthropology
  **OR** SOC101 - Principles of Sociology
- BIOL223 - Human Anatomy and Physiology I
- BIOL224 - Human Anatomy and Physiology II
- BIOL251 - General Microbiology
- CHEM122 - General Chemistry II
- CHEM220 - Introductory Organic Chemistry
- PBH120 - Foundations of Personal Health & Wellness
- EMS100 - Healthcare Provider CPR
- EMS108 - Emergency Medical Technician
- EMS115 - Advanced Emergency Medical Technician
- HDFS201 - Life Span Human Development
- HIT117 - Medical Terminology I
- LTE101 - Fundamental Phlebotomy
- LTE102 - Applied Phlebotomy
- NURS130 - Nursing Assistant
  **OR** NURS129 - Level I Basic Nursing Skills
- NUTR223 - Principles of Nutrition

**Students may take BIOL 190 and CHEM 121 and have 4 units apply toward the program electives.*

**General Education Requirements**

**General Education Requirements (24 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

**Complete ALL of the following Courses:**
- ENG101 - Composition I
- ENG102 - Composition II

*ENG 101 and ENG 102 Required*

Human Relations (3 credits)

**Earn at least 3 credits from the following:**
- AAS Human Relations

Mathematics (3 credits)

*Math 120 or higher*

**Earn at least 3 credits from the following:**
- CoA & AAS Mathematics

U.S. & Nevada Constitution (3 credits)

**Earn at least 3 credits from the following:**
- U.S. & Nevada Constitution

**General Electives (9 credits)**

## LTP - Phlebotomy (Skills Certificate)

### General

#### Catalog Display Name
Phlebotomy (Skills Certificate)

#### Catalog Full Description
Phlebotomy classes (LTE 101 and LTE 102) are listed in the class schedule under the Laboratory Technician heading. These courses provide students with knowledge and skills necessary to perform the collection, identification and preservation of specimens as applied to venipuncture techniques.

Phlebotomists are trained to collect blood specimens by safely performing skin puncture or venipuncture procedures on patients of all ages. They are required to adhere to strict policies and safety precautions designed to provide patient protection and comfort, and to assure safe handling of specimens throughout the collection process.

To work as a phlebotomist, while not always legally required, completing a phlebotomy training program and earning a certification, such as the **Certified Phlebotomy Technician (CPT) from the National Healthcare Association (NHA)**, is highly recommended and often preferred by employers.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (7.5 credits)

**Complete ALL of the following Courses:**

- LTE101 - Fundamental Phlebotomy
- LTE102 - Applied Phlebotomy

**Additional Comments:**

**Immunization Checklist:**

**LTE Prerequisite Immunization Checklist**

For all LTE Courses:
Please submit all Health Documents on the Prerequisite Checklist to:

**Western Nevada College's Complio Website**

## RN-AAS - Nursing (Associate of Applied Science)

### General

#### Catalog Display Name
Nursing (Associate of Applied Science)

#### Catalog Full Description
WNCs Associate Degree Nursing Program is intended for students seeking a career as a registered nurse. The curriculum is sequenced and progresses in complexity. It integrates knowledge from the bio/psycho/social sciences, literacy, mathematics and humanities and is intended to prepare graduates to pass the national licensure examination (NCLEX-RN) and to function as registered nurses in diverse care settings. Upon completion of the Associate Degree Nursing Program, students will be awarded an Associate of Applied Science degree. Graduates are eligible to sit for the NCLEX-RN.

The nursing program is approved by the Nevada State Board of Nursing (NSBN) and is accredited by the Accreditation Commission for Education in Nursing, 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, ph: 404-975-5000. Applicants are advised that eligibility for licensure may be affected by the existence of a criminal record, a history of alcohol or drug abuse, and mental or physical illness that may interfere with the practice of nursing. Applicants are encouraged to directly contact the NSBN at 1-775-687-7700 or 888-590-6726 should there be a concern regarding eligibility for licensure.

#### Mission
The Nursing Program reflects the mission of Western Nevada College by assisting and preparing nursing students to successfully navigate educational pathways to achieve their professional goals.

#### Program Entrance Requirements
A limited number of qualified students are admitted as first semester students utilizing the selection criteria outlined below. The nursing program requires that pre-and co-requisite courses be completed with a grade of C or better (a C- or lower grade will not be accepted). Students admitted to the program are required to attend mandatory one-day orientation sessions scheduled for late spring or early summer and prior to the start of classes.

Admission to the nursing program will be based on special admission procedures and the number of points an applicant receives. Eligible students will be numerically ranked according to total points. In the event of applicants having an equal number of points, lots will be drawn to decide eligibility. Admission will be offered to the applicants on the list with the highest priority points. Applicants not selected will not be carried forward and must reapply for consideration.

| SELECTION CRITERIA POINTS | | | | | | |
|---|---|---|---|---|---|---|
| **SCIENCE GPA (BIOL & CHEM PRE AND COREQUISITE COURSES)** | 2.0-2.25 (1) | 2.26-2.50 (2) | 2.51-2.75 (3) | 2.76-3.00 (4) | 3.01-3.25 (5) | 3.2 (6) |
| **GPA (PRE- AND COREQUISITE COURSES)** | 2.0-2.49 (1) | 2.5-2.99 (2) | 3.0-3.49 (3) | 3.5-4.0 (4) | | |
| (A grade of C or better is required for all pre and corequisite courses in the nursi not be accepted.) | | | | | | |
| **Academic Skills Test:** 0-4 points will be awarded based on test scores. | | | | | | |
| **Nevada Resident:** An applicant who is classified as a Nevada resident for tuitio Nevada College at the time of application to the nursing program will be awarde admissions selection criteria. | | | | | | |
| **Maximum Possible Points:** 17 | | | | | | |

**Nursing Program Application Process**
Students must apply for admission to Western Nevada College and the WNC nursing program. Applications for the next fall are available on the **WNC Nursing & Allied Health** Web page on or after Jan. 2. **The last date for submission of an application to Admissions and Records is April 1.**

**Prerequisites**
Students must complete all prerequisite courses with a grade of C or better to apply for the nursing program. (C- or lower will not be accepted.) Students may apply for admission to the nursing program while in the process of completing a prerequisite course(s), provided the course is completed by the end of the applicable spring semester or, if taken at another institution, **an official transcript showing completion of the course is provided by June 1 of the year of application.** Evidence of courses in progress must be submitted by the application deadline.

*NOTE: Current CNA Certification or completion of NURS 129 or NURS 130 required within five years of the date of application to the nursing program.*

**Corequisites**
Students who are accepted into the nursing program must complete all corequisite courses with a grade of C or better by the end of the fourth semester of the program. (A grade of C- or lower will not be accepted.) Any corequisite course(s) completed with a C or better prior to admission into the nursing program will be calculated into the grade point average under admission selection criteria.

**Academic Skills Testing**
Students are required to take the Assessment Technologies Institute, Test of Essential Academic Skills examination as part of the application process. Visit **Nursing and Allied Health** after September for specific information.

**Residency**
An applicant who is classified as a Nevada resident for tuition purposes at WNC at the time of application to the nursing program will be awarded one point in the nursing admissions/selection criteria.

**Application & Supporting Documents**
Submit the completed application with supporting documents, which include the ATI TEAS academic skills test results and all required college and university transcripts, as appropriate, to Admissions and Records in the time frame delineated on the nursing program application.
*NOTE: Statute of Limitation for science courses is five years by the date of application to the nursing program.*

**Other Important Information**

- Nursing learning activities are scheduled on and off campus on days, evenings, nights and weekends.
- Course organization requires students to have basic computer skills, including the ability to navigate various online learning programs.
- Clinical experiences take place at long-term health care facilities, acute care hospitals, clinics and day care centers.
- A grade of C (75 percent) or better is required in all nursing courses to continue in the nursing program. A grade of C- or lower will not be accepted.
- Students not admitted to the nursing program must reapply to be considered for admission the following year.
- Nursing students are expected to meet the Nursing Student Essential Abilities as discussed on the nursing Web page and in the student handbook.
- Documentation and currency of the following is required after acceptance into the nursing program and prior to the start of classes:
    - An acceptable physical examination and required immunizations and tests. CPR certification (card required) through the American Heart Association (Basic Life Support for Healthcare Provider).
    - Major medical health insurance (card required).
    - An acceptable background check.

A background check is required by health care organizations. Students will be conditionally accepted into WNCs nursing program until their background check information is approved by the clinical sites. Should clinical sites not approve a student, the conditional acceptance will be withdrawn and the student will not be admitted into the nursing program. Students will be denied entrance into the WNC nursing program if an adverse background check is received from a clinical site. Drug screening is required by clinical sites. Students will be informed of the requirement when necessary.

**Nursing Program Readmission Policies**

1. At the conclusion of each semester of study, the Nursing Program Faculty Committee discusses students who failed or withdrew from courses during the semester. The faculty acknowledges the responsibility to readmit students who, in their judgment, satisfy the requirements of scholarship and professional suitability for nursing. The faculty reserves the right to deny readmission based on a history of unprofessional conduct which violates the ANA Code of Ethics.
2. A student who started the nursing program may be readmitted **one time** following a withdrawal/failure. A written request for an exception to the policy for such reasons as medical and military will be considered by the Nursing Program faculty. Students who are eligible to be considered for readmission into the nursing program will be admitted using a point system and on a space-available basis.
3. Students eligible for readmission into the Nursing Program will complete and submit the **Request for Readmission Form to the Nursing & Allied Health and WNC Admissions and Records offices.** The form will address the following information:
    - Date by which the request for readmission must be received.
    - Description of the challenge examinations that must be completed with a grade of 75% or better for the theory portion and a Pass (P) grade for the skill evaluations.

- Cost of readmission testing. Payment for the challenge tests is submitted to the Business Office prior to scheduling of readmission testing.
- Upon receipt of the form, the director will discuss the challenge process with the student and will schedule the challenge evaluations.

4. Students will be required to pass both a written competency exam and a hands-on skills performance evaluation demonstrating competency prior learning for re-entry into the nursing program.

A score of 75% or more is required for the competency evaluation and a passing grade is required for the selected skill evaluation in order to be readmitted into the nursing program.

Students who withdrew from or who failed a course or courses that are related (e.g. NURS 136, 137 & 141) will be required to repeat all courses in the sequence.

Students may choose to repeat all courses, including those previously passed, for the semester of readmission.

Students failing either component of the readmission evaluation may choose to reapply for the nursing program with the next incoming cohort and will be held to current admission requirements. This would be considered the one-time readmission allowable.

The statute of limitations for nursing (NURS) courses is two years. Nursing courses taken more than 2 years prior to reapplication will be required to be repeated.

5. Students seeking readmission into the nursing program will be required to update all requirements through Complio (CPR, immunizations, health insurance, etc.).

### Simple Requirements

**Program Requirements**

**Program Requirements (71.5 credits)**

**Type**
Completion Requirement

Prerequisite Courses (21 credits)

A grade of C or better is required for all prerequisite courses in the nursing program. (A C- or lower will not be accepted.)

**Fulfill ALL of the following requirements:**

Prerequisite Science (12 credits)

**Complete ALL of the following Courses:**
- BIOL190 - Intro to Cell & Molecular Biology
  **OR** CHEM121 - General Chemistry I
- BIOL223 - Human Anatomy and Physiology I
- BIOL224 - Human Anatomy and Physiology II

**BIOL 223 & BIOL 224 must be completed at the same college or university if taken at an institution other than within Nevada System of Higher Education.*

*NOTE: Statute of Limitation for science courses is five years by the date of application to the nursing program.*

**AND**

Prerequisite English (3 credits)

**Complete ALL of the following Courses:**
- ENG101 - Composition I

**AND**

Prerequisite Mathematics (3 credits)

MATH 120 or MATH 124 or higher level mathematics course required (STAT 152 is acceptable)

**Earn at least 3 credits from the following:**
- MATH120 - Fundamentals of College Mathematics
- MATH124 - College Algebra
- MATH126 - Precalculus I
- MATH127 - Precalculus II
- MATH128 - Precalculus and Trigonometry
- MATH181 - Calculus I
- MATH182 - Calculus II
- MATH283 - Calculus III
- MATH285 - Differential Equations
- MATH330 - Linear Algebra
- STAT152 - Introduction to Statistics

**AND**

Prerequisite Social Science (3 credits)

**Complete ALL of the following Courses:**
- PSY101 - General Psychology

**AND**

CNA Requirement

Current CNA Certificate **or** completion of one of the following courses within five years of the date of application to the nursing program is a required prerequisite.

**Complete ANY of the following Courses:**
- NURS129 - Level I Basic Nursing Skills
- NURS130 - Nursing Assistant

Corequisite (Non-Nursing) Courses (10 credits)

Students who are accepted into the nursing program must complete all corequisite courses with a grade of C or better by the end of the fourth semester of the program. (A grade of C- or lower will not be accepted.)

**Fulfill ALL of the following requirements:**

Corequisite Science (4 credits)

**Complete ALL of the following Courses:**
- BIOL251 - General Microbiology

**AND**

Corequisite English (3 credits)

**Complete ALL of the following Courses:**
- ENG102 - Composition II

**AND**

U.S./Nevada Constitutions (3 credits)

**Earn at least 3 credits from the following:**
- U.S. & Nevada Constitution

*Recommend: PSC 101, HIST 111 or CH 203*

**Additional Comments:**
***Note:*** *Corequisite courses must be completed by the end of the fourth semester of the nursing program. See the Associate of Applied Science degree for more information on courses fulfilling the general education requirement.*

*Completion of Chemistry 121 or Biology 190, 223, 224 and 251 fulfills the science general education requirement for the Associate of Applied Science degree in Nursing.*

**Nursing Program Requirements (40.5 credits)**

**Type**
Completion Requirement

First Year: Fall Semester Courses (10 credits)

**Complete ALL of the following Courses:**
- NURS136 - Foundations of Nursing Theory
- NURS137 - Foundations of Nursing Laboratory
- NURS141 - Foundations of Nursing Clinical
- NURS147 - Health Assessment Theory
- NURS148 - Health Assessment Laboratory
- NURS152 - Foundations of Pharmacology in Nursing I

First Year: Spring Semester Courses (11 credits)

**Complete ALL of the following Courses:**
- NURS149 - Mental Health and Illness Theory
- NURS151 - Mental Health and Illness Clinical
- NURS153 - Foundations of Pharmacology Nursing II
- NURS165 - Medical Surgical Nursing I Theory
- NURS166 - Medical Surgical Nursing I Laboratory
- NURS167 - Medical Surgical Nursing I Clinical

Second Year: Fall Semester Courses (9 credits)

**Complete ALL of the following Courses:**
- NURS156 - Foundations of Pharmacology In Nursing III
- NURS261 - Nursing Care of The Family From Conception Through Adolescence (Theory)
- NURS262 - Nursing Care of Family from Conception Through Adolescence (Lab/Clinical)
- NURS270 - Advanced Clinical Nursing I Theory
- NURS271 - Advanced Clinical Nursing I Clinical

Second Year: Spring Semester Courses (10.5 credits)

**Complete ALL of the following Courses:**
- NURS261 - Nursing Care of The Family From Conception Through Adolescence (Theory)
- NURS262 - Nursing Care of Family from Conception Through Adolescence (Lab/Clinical)
- NURS276 - Advanced Medical Surgical Nursing II Theory
- NURS277 - Advanced Medical Surgical Nursing II Clinical
- NURS284 - Role of the Adn Manager of Care

**Additional Comments:**
Note: *The sequence of some courses in the second year for fall and spring semesters may be altered.*

NOTE: These courses have mandatory admission requirements. See the Nursing & Allied Health web pages for required immunizations, tests, major medical insurance and CPR certification. This information must be provided to the Nursing & Allied Health Office before permission to enroll in the course is granted. Information regarding how to submit information required to qualify for enrollment into these courses is available on the Nursing & Allied Health web pages. Students are eligible to register after all required information is received by the Nursing & Allied Health Office.

# Courses

## EMS100 - Healthcare Provider CPR

### General

**Subject code**
EMS

**Catalog Number**
100

**Long Description (Catalog Description)**
Provides instruction of Basic Cardiac Life Support/ Cardiopulmonary Resuscitation for the Healthcare Provider which includes: one and two person rescuer for CPR and management of foreign body obstruction of the airway in adults, children and infants. Instruction also provides for recognition of signs and symptoms requiring AED intervention, safe administration of AED, and common actions that can be utilized for survival, and prevention of risk factors for heart attack and stroke. Certification according to the standards of the American Heart Association (AHA) is issued upon successful completion of course which requires passing of a written examination and practical demonstration. The course satisfies the CPR requirement for students admitted to the nursing and surgical technology programs, nursing assistant and EMS courses. May be repeated for up to one credit.

**Units**

**Min Units:**
0.5

**Max Units:**
0.5

## EMS108 - Emergency Medical Technician

### General

**Subject code**
EMS

**Catalog Number**
108

**Long Description (Catalog Description)**
Prerequisite: must be 18 years or older. Current CPR certification and required immunizations and tests, and health insurance. See Nursing and Allied Health web site for further information.

Prepares individuals to provide basic emergency medical care, according to US Department of Transportation guidelines, to individuals experiencing sudden illness or injury. Course content includes appraisal of scene safety and scene management, assessment and treatment of common emergency patient conditions, including fractures, wounds and airway obstruction. Instruction includes use of emergency medications and automatic external defibrillation (AED) devices as well as components of continuing care during emergency ambulance transportation to the emergency department (ED). Clinical experience includes Emergency department hospital and ambulance rotations to meet a required minimum of 10 patient contacts. Upon successful conclusion of the course the student is eligible to sit for the National Registry Examination for EMT Basic.

**Units**

**Min Units:**
7.5

**Max Units:**
7.5

## EMS115 - Advanced Emergency Medical Technician

### General

**Subject code**
EMS

**Catalog Number**
115

**Long Description (Catalog Description)**
Prerequisite: Certified as a Nationally Registered EMT within the last two years. CPR Certificate. Must be at least 18 year of age at the time of enrollment. Prepares students to incorporate knowledge of basic and advanced emergency medical care for critically ill and emergent patients to reduce the morbidity and mortally associated with acute out-of-hospital medical and traumatic emergencies. The A-EMT is educated to safely provide more advanced airway maintenance skills and the ability to recognize basic electrocardiography (ECG) arrhythmia's and utilize pharmacological interventions within the scope of practices. Other competencies include interventions such as suctioning, initiation of IV therapy, control of breathing and shock, and cardiopulmonary resuscitation. The A-EMT provides care based on site assessment data and works alongside other EMS and health care professionals as an integral part of the emergency care team.

**Units**

**Min Units:**
7.5

**Max Units:**
7.5

## EMS200 - Fundamentals of Paramedic Medicine

### General

**Subject code**
EMS

**Catalog Number**
200

**Long Description (Catalog Description)**
Prerequisite: Admission to the Paramedicine Program.
Provides information to the paramedic student on the history, roles and responsibilities, safety, wellness, medical-legal, and ethical issues of paramedic medicine.

**Units**

**Min Units:**
3

**Max Units:**
3

## EMS203 - Paramedic Skills

### General

**Subject code**
EMS

**Catalog Number**
203

**Long Description (Catalog Description)**
Prerequisite: Admission to the Paramedicine Program.
Familiarizes the Paramedic student with nationally recognized testing. Provides skill-based practice and assessments in a laboratory environment.

**Units**

**Min Units:**
3

**Max Units:**
3

## EMS205 - Principles of Pathophysiology

### General

**Subject code**
EMS

**Catalog Number**
205

**Long Description (Catalog Description)**
Covers medical terminology, microscopic and gross anatomy and physiology. Designed to go beyond what is covered in the anatomy and physiology review of each section in the national standard curriculum.

**Units**

**Min Units:**
3

**Max Units:**
3

## EMS206 - Principles of Pharmacology/Medication Administration & Venous Access for the Paramedic

### General

**Subject code**
EMS

**Catalog Number**
206

**Long Description (Catalog Description)**
Prerequisite: Admission to the Paramedicine Program.
Prepares Paramedic students to understand and be able to integrate the principles of pathophysiological pharmacology and the assessment findings to formulate a field impression and implement a pharmacologic management plan for patients in the prehosptial environment. Introduces the Paramedic student to venous access, IO access, medication administration and drug calculations that will be used in treating patients in the prehosptial environment.

**Units**

**Min Units:**
3

**Max Units:**
3

## EMS207 - Airway Management and Ventilation for Paramedics

### General

**Subject code**
EMS

**Catalog Number**
207

**Long Description (Catalog Description)**
Prerequisite: Admission to the Paramedicine Program.
Integrates complex knowledge of anatomy, physiology, and pathophysiology into the assessment to develop and implement a treatment plan with the goal of ensuring a patient airway, adequate mechanical ventilation, and respiration for patients of all ages.

**Units**

**Min Units:**
3

**Max Units:**
3

## EMS209 - Patient Assessment for Paramedics

### General

**Subject code**
EMS

**Catalog Number**
209

**Long Description (Catalog Description)**
Prerequisite: Admission to the Paramedicine Program.
Introduces the Paramedic student to a comprehensive physical examination and assessment, which includes history taking, clinical decision making, communications, and documentation.

**Units**

**Min Units:**
3

**Max Units:**
3

## EMS210 - Principles of Cardiology for the Paramedic

### General

**Subject code**
EMS

**Catalog Number**
210

**Long Description (Catalog Description)**
Prerequisite: Admission to the Paramedicine Program.
Prepares the Paramedic student to identify single and multi-lead cardiac rhythms and treat those rhythms considered to be life-threatening with electrical therapy. Teaches skills including defibrillation, cardioversion, and cardiac rhythm interpretation. Prepares the student to assess, manage, and treat various cardiovascular emergencies that includes ventricular fibrillation, bradycardia, tachycardia, myocardial infarction, cardiogenic shock, pulmonary edema, angina pectoris, congestive heart failure, hypertension, PEA (pulseless electrical activity), and asystole.

**Units**

**Min Units:**
3

**Max Units:**
3

## EMS211 - Paramedic Care for Medical Emergencies & ACLS

### General

**Subject code**
EMS

**Catalog Number**
211

**Long Description (Catalog Description)**
Prerequisite: Admission to the Paramedicine Program
Prepares the Paramedic to identify, assess, manage, and treat various medical emergencies. Topics include Neurology, Endocrinology, Allergies and Anaphylaxis, Gastroenterology, Urology, Toxicology, Infectious and Communicable Diseases, Behavioral and Psychiatric Disorders, and associated pharmacological interventions.

**Units**

**Min Units:**
4

**Max Units:**
4

## EMS212 - Paramedic Trauma Emergencies & International Trauma Life Support (ITLS)

### General

**Subject code**
EMS

**Catalog Number**
212

**Long Description (Catalog Description)**
Prerequisite: Admission to the Paramedicine Program
Integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression to implement a comprehensive treatment/disposition plan for an acutely injured patient.

### Units

**Min Units:**
4

**Max Units:**
4

## EMS214 - Special Populations in Paramedicine

### General

**Subject code**
EMS

**Catalog Number**
214

**Long Description (Catalog Description)**
Prerequisite: Admission to the Paramedicine Program
Prepares the Paramedic student to identify, assess, manage, and treat age related emergencies, and other special challenges. Topics include obstetrics, neonatology, pediatrics, geriatrics, abuse and assault, and patients with special challenges.

### Units

**Min Units:**
3

**Max Units:**
3

## EMS215 - EMS Incident Management and Operations

### General

**Subject code**
EMS

**Catalog Number**
215

**Long Description (Catalog Description)**
Prerequisite: Admission to the Paramedicine Program
Prepares the student to implement a plan for patients with common complaints. Prepares the Paramedic with the concepts of medical incident command, ambulance and rescue operations, hazardous materials, incident, and crime scene awareness.

### Units

**Min Units:**
3

**Max Units:**
3

## EMS216 - Hospital Clinical Experience for the Paramedic

### General

**Subject code**
EMS

**Catalog Number**
216

**Long Description (Catalog Description)**
Prerequisite: Admission to the Paramedicine Program
Offers planned hospital clinical experience designed to meet and enhance the specific learning needs of the student. Each area of clinical experience has been selected to correspond with a specific area of didactic classroom instruction and to meet the clinical skill objectives outlined by the program. Students will function under the direction of a nurse or physician preceptor.

### Units

**Min Units:**
4

**Max Units:**
4

## EMS217 - Field Internship for the Paramedic

### General

**Subject code**
EMS

**Catalog Number**
217

**Long Description (Catalog Description)**
Prerequisite: Admission to the Paramedicine Program and Completion of all other Didactic and Clinical Paramedic courses
Introduces the paramedic student to Advanced Life Support (ALS) prehospital operations. Familiarizes students with procedures and care provided by paramedics in the field. Students will be a third person on a paramedic unit and will work under the direct supervision of a paramedic preceptor.

### Units

**Min Units:**
4

**Max Units:**
4

## HIT117 - Medical Terminology I

### General

**Subject code**
HIT

**Catalog Number**
117

**Long Description (Catalog Description)**
Studies word derivations and formation with emphasis upon understanding common usage in the field of health care.

### Units

**Min Units:**
1

**Max Units:**
1

## HIT118 - Language of Medicine

### General

**Subject code**
HIT

**Catalog Number**
118

**Long Description (Catalog Description)**
Applies medical language by body system and appropriate use within the accepted nomenclature and classification systems. This course is designed to meet professional program requirements.

### Units

**Min Units:**
3

**Max Units:**
3

## HIT170 - Computers in Health Care

### General

**Subject code**
HIT

**Catalog Number**
170

**Long Description (Catalog Description)**
Teaches hardware and software components of computers for health information applications. Methods of controlling the accuracy and security of data. Record linkage and data sharing concepts.

### Units

**Min Units:**
3

**Max Units:**
3

## LTE101 - Fundamental Phlebotomy

### General

**Subject code**
LTE

**Catalog Number**
101

**Long Description (Catalog Description)**
Prerequisites: Vaccinations and major medical insurance required (see requirements for LTE under the Nursing and Allied Health division)
Provides knowledge and skills necessary to perform basic collection, identification, and preservation of blood samples as applied to venipuncture techniques. Incorporates finger stick procedures and patient contact methodologies carried out within the ethical, legal and professional boundaries of the roles. Successful completion of LTE 102 is required to sit for national certification examinations offered through a variety of certifying organizations, including the American Society for Clinical Pathology (ASCP).

### Units

**Min Units:**
4

**Max Units:**
4

## LTE102 - Applied Phlebotomy

### General

**Subject code**
LTE

**Catalog Number**
102

**Long Description (Catalog Description)**
Prerequisites: LTE 101 with C or better. Vaccinations and major medical insurance. See Nursing and Allied Health Division student requirements for LTE. Provides 100 hours of clinical phlebotomy experience (of clinical phlebotomy to apply knowledge and skills learned in LTE 101. Under the guidance of a laboratory technician preceptor, students will perform a minimum of 100 successful, documented blood draws with patients across the lifespan (except infants and toddlers). Upon successful completion with a grade of C or better, students are eligible to sit for a national certification examination offered through a variety of certifying organizations, including the American Society for Clinical Pathology (ASCP).

### Units

**Min Units:**
3

**Max Units:**
3.5

## NURS129 - Level I Basic Nursing Skills

### General

**Subject code**
NURS

**Catalog Number**
129

**Long Description (Catalog Description)**
Prepares students to provide holistic basic nursing care within the lab simulation environment. Students provide total patient care and comfort measures at the level of a nursing assistant while incorporating basic principles of safety and infection control for self and others. This is an alternative prerequisite (in lieu of the Certified Nursing Assistant class) for the WNC nursing program. Note: This class does NOT prepare students to sit for the Nevada State Board of Nursing Certified Nursing Assistant Examination.

### Units

**Min Units:**
2

**Max Units:**
2

## NURS130 - Nursing Assistant

### General

**Subject code**
NURS

**Catalog Number**
130

**Long Description (Catalog Description)**
Prerequisites: basic Life Support/Healthcare Provider CPR certification. See Nursing and Allied Health website for additional information.
Prepares students to function as nursing assistant trainees (NAT) who assist licensed nurses to provide direct care to health care consumers across the lifespan in a variety of heath care settings. The 150-hour competency based course is designed to prepare students to achieve certification as a nurse assistant in the State of Nevada. The course is approved by the Nevada State Board of Nursing and is in accordance with the Omnibus Budget Reconciliation Act (OBRA) and Occupational Safety and Health Agency (OSHA) regulations.

### Units

**Min Units:**
6

**Max Units:**
6

## NURS136 - Foundations of Nursing Theory

### General

**Subject code**
NURS

**Catalog Number**
136

**Long Description (Catalog Description)**
Prerequisites: admission to the nursing program; Corequisites: NURS137 & NURS141
Introduces students to the role of the associate degree nurse in contemporary practice. Students are guided to utilize knowledge from the sciences, humanities and nursing to understand man as a bio/psycho being. Students are introduced to the nursing program organizing concepts and outcomes which include professional behaviors, communication, collaboration, nursing process, clinical decision making, management of care and teaching learning.

### Units

**Min Units:**
3

**Max Units:**
3

## NURS137 - Foundations of Nursing Laboratory

### General

**Subject code**
NURS

**Catalog Number**
137

**Long Description (Catalog Description)**
Prerequisites: admission to the nursing program; Corequisites: NURS136 & NURS141
Provides students with knowledge and practical application of basic nursing skills while incorporating concepts learned in NURS 136. Students learn and practice basic nursing bedside nursing skills in personal care, sterile technique, patient safety, and medication administration. Emphasizes the critical elements of nursing procedures and the scientific rationale for performing the procedures correctly.

### Units

**Min Units:**
1

**Max Units:**
1

## NURS141 - Foundations of Nursing Clinical

### General

**Subject code**
NURS

**Catalog Number**
141

**Long Description (Catalog Description)**
Prerequisites: admission to the nursing program; Corequisites: NURS136 & NURS137
Provides opportunities for students to utilize knowledge, concepts and skills learned in first semester nursing courses to meet the bio/psycho/social needs of patients in a long term acute care facility. Students use the nursing process and Maslow's Hierarchy of Needs at a beginning level to assess, plan, implement and evaluate nursing care.

### Units

**Min Units:**
2

**Max Units:**
2

## NURS147 - Health Assessment Theory

### General

**Subject code**
NURS

**Catalog Number**
147

**Long Description (Catalog Description)**
Prerequisites: admission to the nursing program; Corequisites: NURS148
Provides opportunities for students to gain knowledge necessary to holistically assess adult and elder patients. Students utilize concepts of previously learned content from pre-requisite and co-requisite nursing courses including the nursing process and methods of prioritizing to perform nursing assessment and nursing diagnosis. Students learn the difference among a comprehensive assessment, an ongoing/partial assessment, a focused, problem-oriented assessment and an emergency assessment of a patient.

### Units

**Min Units:**
2

**Max Units:**
2

## NURS148 - Health Assessment Laboratory

### General

**Subject code**
NURS

**Catalog Number**
148

**Long Description (Catalog Description)**
Prerequisites: admission to the nursing program.
Incorporates knowledge from NURS 147 to provide students with learning opportunities to collect, organize, analyze and synthesize health assessment data for adult and elder patients in a laboratory setting using simulated and peer assessment models.

### Units

**Min Units:**
1

**Max Units:**
1

## NURS149 - Mental Health and Illness Theory

### General

**Subject code**
NURS

**Catalog Number**
149

**Long Description (Catalog Description)**
Prerequisites: admission to the nursing program; Corequisites: NURS150 & NURS151
Assists students to gain knowledge of nursing care for the patient experiencing primary threats to psychosocial integrity. Examines the principles and practice of psychiatric nursing through a variety of theoretical frameworks and legal and ethical values that guide its practice. Emphasis is placed on the use of culturally relevant therapeutic communication skills, development of therapeutic nurse/patient relationships, and interventions that are grounded in evidence based practice to achieve best practice outcomes.

### Units

**Min Units:**
3

**Max Units:**
3

## NURS151 - Mental Health and Illness Clinical

### General

**Subject code**
NURS

**Catalog Number**
151

**Long Description (Catalog Description)**
Prerequisites: admission to the nursing program; Corequisites: NURS149 & NURS150
Requires students to utilize the nursing process to apply knowledge of the principles and practice of psychiatric nursing to the care of patients experiencing disruptions in psycho/social functioning. Collaborative experiences involving students, members of the psychiatric health care team, patients and their families occur at acute care and outpatient settings. Relevant legal and ethical issues are explored within the context of care of patients with disruptions in psychosocial integrity.

### Units

**Min Units:**
1

**Max Units:**
1

## NURS152 - Foundations of Pharmacology in Nursing I

### General

**Subject code**
NURS

**Catalog Number**
152

**Long Description (Catalog Description)**
Prerequisites: admission to the nursing program.
Provides students with an overview of pharmacology with an emphasis on clinical applications within the context of the nursing process and prioritization of needs; with special consideration given to the physiological and psycho/social needs of patients. Explores indications, modes of action, effects, contraindications and interactions for selected drugs. Specific nursing responsibilities related to drug administration are emphasized.

### Units

**Min Units:**
1

**Max Units:**
1

## NURS153 - Foundations of Pharmacology Nursing II

### General

**Subject code**
NURS

**Catalog Number**
153

**Long Description (Catalog Description)**
Prerequisites: Successful completion of the first semester of the nursing program.
Provides a continuation of study of pharmacological principles and practices to achieve safe administration of medications. Selected drug classifications are presented, with an emphasis on understanding intended and unintended effects of drugs on body systems. Provides an overview of pharmacology with an emphasis on clinical applications within the context of the nursing process and prioritization of needs.

### Units

**Min Units:**
1

**Max Units:**
1

## NURS156 - Foundations of Pharmacology In Nursing III

### General

**Subject code**
NURS

**Catalog Number**
156

**Long Description (Catalog Description)**
Prerequisite: admission to the nursing program and NURS 153
Provides a continuation of study of pharmacological principles and practices through in-depth application of principles of pharmacology, pharmacokinetics and pharmacodynamics. Designed to expand the nursing student's knowledge of pharmacotherapeutics, which includes the cellular response level, for the clinical application within the context of the nursing process and prioritization of needs for patients across the lifespan. Selected drug classifications of pharmacological agents are examined and applied through case study application and analysis providing opportunity for development of the nursing competencies of clinical judgement, professional identity, use of evidence-based practice, and the facilitation of a spirit of inquiry.

### Units

**Min Units:**
1

**Max Units:**
1

## NURS165 - Medical Surgical Nursing I Theory

### General

**Subject code**
NURS

**Catalog Number**
165

**Long Description (Catalog Description)**
Prerequisites: successful completion of the first semester of the nursing program; Corequisites: NURS166 & NURS167
Assists students to integrate knowledge derived from the bio/psycho/social sciences, humanities, nursing and current literature to achieve safe, competent care of adult patients experiencing common alterations in body systems. Organized by the nursing process to achieve best practice outcomes in an acute care medical/surgical setting. Particular emphasis is placed on the concepts of holistic care, patient education, and discharge planning.

### Units

**Min Units:**
3

**Max Units:**
3

## NURS166 - Medical Surgical Nursing I Laboratory

### General

**Subject code**
NURS

**Catalog Number**
166

**Long Description (Catalog Description)**
Successful completion of the first semester of the nursing program. Corequisites: NURS165 & NURS167
Prepares students to safely perform intermediate nursing skills (therapeutic procedures) that are encountered in the care of hospitalized adult patients with common alterations in body systems. Emphasizes the critical elements of nursing procedures and the scientific rationale for performing the procedures safely.

### Units

**Min Units:**
1

**Max Units:**
1

## NURS167 - Medical Surgical Nursing I Clinical

### General

**Subject code**
NURS

**Catalog Number**
167

**Long Description (Catalog Description)**
Prerequisites: successful completion of the first semester of the nursing program. Corequisites: NURS165 & NURS166
Provides opportunities for students to utilize knowledge from the bio/psycho/social sciences, humanities, nursing and current literature to provide safe, competent care of adult patients experiencing common alterations in body systems. Organized by the nursing process to achieve best practice outcomes in a medical/surgical setting. Particular emphasis is placed on concepts of holistic care, holistic care, patient education.

### Units

**Min Units:**
2

**Max Units:**
2

## NURS261 - Nursing Care of The Family From Conception Through Adolescence (Theory)

### General

**Subject code**
NURS

**Catalog Number**
261

**Long Description (Catalog Description)**
Prerequisite: successful completion of the first year of the nursing program. Corequsitie: NURS 262
Focuses on basic concepts of nursing associated with care of the family experiencing pregnancy, birth, and the care of children. Incorporates knowledge of normal patterns of growth and development, health promotion, and disease prevention strategies. Students analyze care of patients with common health disruptions while continuing to develop the competencies of nursing judgement, use of evidenced-based practice, application of principles associated with professional identify, and the nurturing of a spirit of inquiry within the organizing framework of the nursing process.

### Units

**Min Units:**
2

**Max Units:**
4

## NURS262 - Nursing Care of Family from Conception Through Adolescence (Lab/Clinical)

### General

**Subject code**
NURS

**Catalog Number**
262

**Long Description (Catalog Description)**
Prerequisite: successful completion of the first year of the nursing program. Corequisite: NURS 261
Focuses on the application of concepts addressed NURS 261. Students provide basic care to families experiencing pregnancy, birth, and the care of children from the neonatal stage through adolescence. Provides active, hands-on learning in the laboratory and clinical setting, under the direct supervision of nursing faculty and competent clinical preceptors,to students caring for maternal, newborn, and pediatric patients. The nursing process, QSEN Safety Standards, and the principles of human flourishing, nursing judgement, professional identity, and the spirit of inquiry, will provide the framework for student activities.

### Units

**Min Units:**
1

**Max Units:**
2

## NURS270 - Advanced Clinical Nursing I Theory

### General

**Subject code**
NURS

**Catalog Number**
270

**Long Description (Catalog Description)**
Prerequisites: successful completion of the first year of the nursing program. ; Corequisites: NURS271
Offers clinical theory organized around the nursing process and its application to patient needs. Requires students to apply the principles of providing a safe care environment, while addressing health promotion and health maintenance needs for persons experiencing complex/acute alterations in health. Students will also apply concepts of community care, case management, health teaching and discharge planning.

### Units

**Min Units:**
3

**Max Units:**
3

## NURS271 - Advanced Clinical Nursing I Clinical

### General

**Subject code**
NURS

**Catalog Number**
271

**Long Description (Catalog Description)**
Prerequisites: successful completion of the first year of the nursing program. Corequisites: NURS270
Requires students to use the nursing process to identify and prioritize health care needs in the provision of care for patients experiencing complex/acute alterations in health. Expands upon previous clinical learning to include the teaching/learning process and administration of intravenous fluids and medications in the acute care setting.

### Units

**Min Units:**
2

**Max Units:**
2

## NURS276 - Advanced Medical Surgical Nursing II Theory

### General

| Subject code | Catalog Number |
|---|---|
| NURS | 276 |

**Long Description (Catalog Description)**
Prerequisites: successful completion of the third semester of the nursing program. ; Corequisites: NURS277
Assists students to gain knowledge of nursing care for the patient experiencing primary threats to physiological integrity due to complex multisystem disruption in cardiovascular, respiratory, neurological, integumentary, elimination, and digestive systems. Students apply the nursing process to address needs in the psycho/social/cultural and spiritual domains which emerge when there are primary threats to physiological integrity. Related legal, ethical, teaching/learning and communication/documentation issues are also explored.

### Units

| Min Units: | Max Units: |
|---|---|
| 3 | 3 |

## NURS277 - Advanced Medical Surgical Nursing II Clinical

### General

| Subject code | Catalog Number |
|---|---|
| NURS | 277 |

**Long Description (Catalog Description)**
Prerequisites: successful completion of the third semester of the nursing program. ; Corequisites: NURS276
Requires students to apply knowledge and skills to the care of adult patients in a simulated laboratory and acute care environments experiencing needs resulting from complex multisystem disruptions. Students apply the nursing process and utilize information literacy skills to achieve deliberative and competent decision-making that is grounded in evidence based practice to achieve best practice outcomes. Emphasis will be placed on prioritization of care through collaboration with other members of the health care team, patients and their families.

### Units

| Min Units: | Max Units: |
|---|---|
| 2.5 | 2.5 |

## NURS284 - Role of the Adn Manager of Care

### General

| Subject code | Catalog Number |
|---|---|
| NURS | 284 |

**Long Description (Catalog Description)**
Prerequisites: successful completion of the third semester of the nursing program.
Utilizes a capstone laboratory/clinical to facilitate the role transition from student to graduate nurse. Students integrate knowledge derived from the bio/psycho/social sciences, humanities and nursing to achieve best practice outcomes for multiple patients and their significant others in the acute care setting. Students apply advanced concepts of leadership and management while functioning in the legal, ethical and regulatory structures of the profession of nursing. In the clinical setting students will establish a therapeutic environment to meet the needs of multiple patients and their significant others by demonstrating the ability to meet the nursing program educational outcomes.

### Units

| Min Units: | Max Units: |
|---|---|
| 2 | 2 |

## NURS285 - Special Topics: Nursing

### General

| Subject code | Catalog Number |
|---|---|
| NURS | 285 |

### Units

| Min Units: | Max Units: |
|---|---|
| 1 | 6 |

## NUTR121 - Human Nutrition

### General

| Subject code | Catalog Number |
|---|---|
| NUTR | 121 |

**Long Description (Catalog Description)**
Prerequisites: None.
Offers a beginning course in the principles of human nutrition including a study of each of the major nutrients and how they relate to good health and a well balanced diet. Includes four laboratory experiences.

### Units

| Min Units: | Max Units: |
|---|---|
| 3 | 3 |

### NUTR205 - Sports Nutrition: Exercise and Performance

#### General

| Subject code | Catalog Number |
|---|---|
| NUTR | 205 |

**Long Description (Catalog Description)**
Prerequisite: NUTR 121
Introduces the basic elements of sports nutrition. Presents the scientific basis of the roles played by carbohydrate, fat, protein, water, and key vitamins and minerals as they relate to physical exercise. Presents information on diets during training, timing and composition of pre- and post-competition meals, the use of supplement ergogenic aids. Provides practical evidence based information for the athlete and individuals of all ages wishing to emphasize the role of diet and exercise in promoting a healthy, active lifestyle.

#### Units

| Min Units: | Max Units: |
|---|---|
| 3 | 3 |

### NUTR223 - Principles of Nutrition

#### General

| Subject code | Catalog Number |
|---|---|
| NUTR | 223 |

**Long Description (Catalog Description)**
Prerequisites: BIOL 190 and 190L with a grade of C or better or CHEM 121 with a grade of C or better
Studies nutrient functions and basis for nutrient requirements at the cellular level. Three hours lecture.

#### Units

| Min Units: | Max Units: |
|---|---|
| 3 | 3 |

### PBH101 - Foundations of Public Health

#### General

| Subject code | Catalog Number |
|---|---|
| PBH | 101 |

**Long Description (Catalog Description)**
Introduces the basic tenets of community health, including concepts of health, health promotion and disease prevention, risk factors affecting community health, health information and research, ethics and health programs.

#### Units

| Min Units: | Max Units: |
|---|---|
| 3 | 3 |

### PBH120 - Foundations of Personal Health & Wellness

#### General

| Subject code | Catalog Number |
|---|---|
| PBH | 120 |

**Long Description (Catalog Description)**
Covers the components and wellness and of lifelong tools that will help enhance wellness. health values, attitudes and behaviors of self and others. Students will be active in design and execution of personal fitness and wellness plans.

#### Units

| Min Units: | Max Units: |
|---|---|
| 3 | 3 |

# Workforce, Career & Technical Education Department

## Workforce, Career & Technical Education

The Workforce, Career & Technical Education (WCTE) division at WNC offers a Bachelor of Applied Science degree, Associate of Applied Science degrees, certificates of achievement, certification and licensing preparation, and special academic programs. The mission of the division is to help students earn a four-year degree, prepare students for transfer to four-year colleges and/or to provide them with the knowledge they need for their careers.

WCTE Programs Include:

| | |
|---|---|
| **Advanced Manufacturing** | |
| **Automotive Technology** | **Education** |
| **Business** | **Graphic Design** |
| **Computer Information Technology** | **Machine Tool Technology** |
| **Construction Management** | **Welding** |
| **Criminal Justice** | |

# Programs

# AB - Associate of Business

## General

### Catalog Display Name
Associate of Business

### Catalog Full Description
The Associate of Business degree is designed for students who intend to transfer with junior status to a four-year college or university for a bachelor degree in a business-related field.

This degree allows early choices for those planning a professional career in business, management, accounting, marketing or a related field.

### Mission
The purpose of the Associate of Business degree is to provide the academic knowledge and skills for successful transfer to meet higher education goals.

### Simple Requirements

**Program Requirements**

**Program Requirements (39 credits)**

**Type**
Completion Requirement

Program Requirements (39 credits)

**Complete ALL of the following Courses:**

- ACC201 - Financial Accounting
- ACC202 - Managerial Accounting
- BUS101 - Introduction to Business
- BUS273 - Business Law I
- BUS299 - Business Capstone
- ECON102 - Principles of Microeconomics
- ECON103 - Principles of Macroeconomics
- ECON261 - Principles of Statistics I
- ECON262 - Principles of Statistics II
- IS101 - Introduction to Information Systems
- MGT201 - Principles of Management
- MKT210 - Marketing Principles
- MATH176 - Introductory Calculus for Business & Social Sciences

*NOTE: If student does not meet the prerequisite for MATH 176, MATH 126 may be used as a degree elective and should be taken in the first semester.*

**General Education Requirements**

**English/Communications (6 credits)**

**Type**
Completion Requirement

English/Communications

**Earn at least 6 credits from the following:**

- ENG100 - Composition - Enhanced
  **OR** ENG101 - Composition I
- ENG102 - Composition II

**Fine Arts (3 credits)**

**Type**
Completion Requirement

Fine Arts

**Earn at least 3 credits from the following:**

- ART100 - Visual Foundations
- ART101 - Drawing I
- ART124 - Beginning Printmaking
- ART135 - Darkroom Photography I
- ART141 - Introduction to Digital Photography I
- ART160 - Art Appreciation
- ART211 - Ceramics I
- ART214 - Introduction to Book Art: Intersection of Art and Design
- ART231 - Painting I
- ART260 - Survey Art History I
- ART261 - Survey of Art History II
- ENG261 - Introduction to Poetry
- HIST203 - History of Television
- HUM101 - Introduction to Humanities
- MUS121 - Music Appreciation
- MUS124 - History of the American Musical Theater
- MUS125 - History of Rock Music
- MUS176 - Musical Theatre Practicum I
- MUSE101 - Concert Choir
- MUSE131 - Jazz Ensemble
- MUSE135 - Jazz Vocal Ensemble
- THTR100 - Introduction to Theater
- THTR105 - Introduction to Acting I
- THTR180 - Cinema as Art & Communication

** Some courses may not meet the fine arts requirement at all universities. Please see an advisor.*

**Humanities (3 credits)**

**Type**
Completion Requirement

Humanities

**Earn at least 3 credits from the following:**

- CH201 - Ancient and Medieval Cultures
- CH202 - The Modern World
- CH212 - Science, Technology, and Society in the Modern Era
- ENG200 - Novels Into Film
- ENG223 - Themes of Literature
- HIST105 - European Civilization to 1648
- HIST106 - European Civilization Since 1648
- HIST207 - Discover Nevada
- HIST208 - World History I
- HIST209 - World History II
- HIST247 - Introduction to the History of Mexico
- HGPS201 - Concepts in Holocaust, Genocide and Peace Studies
- PHIL101 - Introduction to Philosophy
- PHIL135 - Introduction to Ethics
- PHIL200 - Judeo-Christian Tradition
- PHIL203 - Introduction to Existentialism
- PHIL204 - Introduction to Contemporary Philosophy
- PHIL207 - Introduction to Political Philosophy
- PHIL210 - World Religions
- PHIL224 - Science, Mind, and Philosophy
- PHIL245 - Contemporary Moral Issues

***UNR transfer students, choose at least one of the following courses:***
*Core Humanities: 201, 202*
History: 105, 106
Philosophy: 200, 207, 245

**Mathematics**

**Type**
Completion Requirement

Mathematics

**See Program Requirements**

**Science (6 credits)**

**Type**
Completion Requirement

Science

**Earn at least 6 credits from the following:**

- ANTH102 - Introduction to Biological Anthropology
- ANTH110L - Biological Anthropology Lab
- AST109 - Planetary Astronomy
- AST110 - Stellar Astronomy
- AST120 - Introduction to Astrobiology
- ATMS117 - Meteorology
- BIOL100 - General Biology for Non-Science Majors
- BIOL113 - Life in the Oceans
- BIOL190 - Intro to Cell & Molecular Biology
- BIOL191 - Introduction to Organismal Biology
- BIOL200 - Elements of Human Anatomy & Physiology
- CHEM100 - Molecules and Life in the Modern World
- CHEM121 - General Chemistry I
- CHEM122 - General Chemistry II
- ENV100 - Humans and Environment
- ENV101 - Introduction to Environmental Science
- GEOG103 - Physical Geography of Earth's Environment
- GEOG104 - Physical Geography Laboratory
- GEOG116 - Oceanography
- GEOG121 - Climate Change and Its Environmental Impacts
- GEOL100 - Earthquakes, Volcanoes, and Natural Disasters
- GEOL101 - Exploring Planet Earth
- GEOL102 - Earth and Life Through Time
- GEOL105 - Introduction to Geology of National Parks
- GEOL201 - Geology of Nevada
- NUTR121 - Human Nutrition
- PHYS100 - Introductory Physics
- PHYS151 - General Physics I
- PHYS152 - General Physics II
- PHYS180 - Physics for Scientists and Engineers I
  **AND** PHYS180L - Physics for Scientists and Engineers Lab I

*Note: Completion of CHEM 121 or BIOL 190, BIOL 223 and BIOL 224, and BIOL 251 fulfills the science general education requirement.*

**Social Sciences**

**Type**
Completion Requirement

Social Sciences

**See Program Requirements**

**U.S. & Nevada Constitution (3-6 credits)**

**Type**
Completion Requirement

U.S. & Nevada Constitution

**Earn at least 3 credits from the following:**

- CH203 - American Experience & Constitutional Change
- HIST101 - U.S. History to 1877
  **AND** HIST102 - U.S. History Since 1877
- HIST101 - U.S. History to 1877
  **AND** HIST217 - Nevada History
- HIST101 - U.S. History to 1877
  **AND** PSC100 - Nevada Constitution
- HIST101 - U.S. History to 1877
  **AND** PSC208 - Survey of State & Local Government
- HIST111 - Survey of U.S. Constitutional History
- PSC101 - Introduction to American Politics
- PSC103 - Principles of American Constitutional Government

## Learning Outcomes

### Learning Outcomes

Learning outcomes are not integrated with Peoplesoft and exist as a "Coursedog Only" element.

**Program Learning Objective**
Articulate and demonstrate their personal employment-related knowledge, skills and abilities.

**Program Learning Objective**
Evaluate the impact of various economic systems and policies.

**Program Learning Objective**
Summarize, record, analyze, interpret, and communicate accounting and financial information for decision-making.

**Program Learning Objective**
Devise, implement, and evaluate managerial decisions, actions, and outcomes.

**Program Learning Objective**
Apply technology to aid in communications and decision-making.

**Program Learning Objective**
Present research, data, analysis, and conclusions through written and oral means.

**Program Learning Objective**
Describe the changing landscape of the global market and its impact on the United States.

**Program Learning Objective**
Summarize the impact of social, ethical, legal, and diversity issues within contemporary business.

**Program Learning Objective**
Develop business, financial, and marketing plans for established and emerging businesses.

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

| Suggested Course Sequence | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Third Semester** | **Units** |
| ENG 100 or ENG 101 | 3-5 | ACC 201 | 3 |
| ECON 102 | 3 | ECON 261 | 3 |
| MATH 176 | 3 | BUS 299 | 3 |
| Fine Arts | 3 | Humanities | 3 |
| BUS 101 | 3 | Science | 3 |
| **Second Semester** | **Units** | **Fourth Semester** | **Units** |
| ENG 102 | 3 | ACC 202 | **3** |
| ECON 103 | 3 | ECON 262 | 3 |
| IS 101 | 3 | MGT 201 | 3 |
| Science | 3 | MKT 210 | 3 |
| BUS 273 | 3 | U.S./NV Constitution | 3 |

## ABR - Automotive Brakes (Skills Certificate)

### General

**Catalog Display Name**
Automotive Brakes (Skills Certificate)

**Catalog Full Description**
Prepares students for the National Automotive Service Excellence Exams.

**Third-party industry-recognized credentials can be earned throughout the program. A fee is associated with most exams.**

**Simple Requirements**

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (12 credits)

**Complete ALL of the following Courses:**

- AUTO101 - Introduction to General Mechanics
- AUTO115 - Auto Electricity & Electronics I
- AUTO145 - Automotive Brakes
- OSH222 - General Industry Safety

## AEE - Automotive Electrical/Electronic Systems (Skills Certificate)

### General

**Catalog Display Name**
Automotive Electrical/Electronic Systems (Skills Certificate)

**Catalog Full Description**
Prepares students for the National Automotive Service Excellence Exams.

**Simple Requirements**

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (12 credits)

**Complete ALL of the following Courses:**

- AUTO101 - Introduction to General Mechanics
- AUTO115 - Auto Electricity & Electronics I
- AUTO117 - Advanced Auto Electronics
- OSH222 - General Industry Safety

## AEP - Automotive Engine Performance (Skills Certificate)

### General

#### Catalog Display Name
Automotive Engine Performance (Skills Certificate)

#### Catalog Full Description
Prepares students for the National Automotive Service Excellence Exams.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (12 credits)

**Complete ALL of the following Courses:**

- AUTO101 - Introduction to General Mechanics
- AUTO115 - Auto Electricity & Electronics I
- AUTO225 - Engine Performance I/Fuel & Ignition
- OSH222 - General Industry Safety

## AHAC - Automotive Heating and Air Conditioning (Skills Certificate)

### General

#### Catalog Display Name
Automotive Heating and Air Conditioning (Skills Certificate)

#### Catalog Full Description
Prepares students for the National Automotive Service Excellence Exams.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (11 credits)

**Complete ALL of the following Courses:**

- AUTO101 - Introduction to General Mechanics
- AUTO115 - Auto Electricity & Electronics I
- AUTO160 - Auto Air Conditioning and Heating
- OSH222 - General Industry Safety

## AT-CP - Business - Bookkeeping (Certificate of Achievement)

### General

#### Catalog Display Name
Business - Bookkeeping (Certificate of Achievement)

#### Catalog Full Description
Designed for students who wish to enter the accounting profession as an accounting clerk or as an entry level bookkeeper. It allows students to obtain credit for courses that will also apply toward the Associate of Applied Science in Business-Accounting.

#### Simple Requirements

**Program Requirements**

**Program Requirements (21 credits)**

**Type**
Completion Requirement

Program Requirements (15 credits)

**Complete ALL of the following Courses:**

- ACC135 - Bookkeeping I
- ACC201 - Financial Accounting
- BUS101 - Introduction to Business
- IS101 - Introduction to Information Systems
  **OR** IS201 - Computer Applications
- MGT201 - Principles of Management

Program Electives (6 credits)

**Earn at least 6 credits from the following:**

- ACC105 - Taxation for Individuals
- ACC180 - Payroll & Employee Benefit Accounting
- ACC198 - Special Topics in Accounting
- ACC202 - Managerial Accounting
- ACC203 - Intermediate Accounting I
- ACC204 - Intermediate Accounting II
- ACC220 - Microcomputer Accounting Systems
- ACC223 - Introduction to Quickbooks
- ACC261 - Governmental Accounting
- ACC290 - Certified Bookkeeper Course
- ACC295 - Work Experience I
- ACC299 - Advanced Special Topics in Accounting

*Any ACC course*

**General Education Requirements**

**General Education Requirements (9 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

**Earn at least 6 credits from the following:**

- CoA English/Communications

*Recommend: BUS 107, BUS 108; Must include a writing course*

Mathematics (3 credits)

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

**Additional Comments:**
**MGT 201 meets the Human Relations requirement.*

**Please see the Certificate of Achievement page for a list of all courses fulfilling general education requirements.**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| First Semester | Units | Second Semester | Units |
|---|---|---|---|
| ACC 135 | 3 | ACC 201 | 3 |
| BUS 101 | 3 | BUS 108 or English/ Communication | 3 |
| BUS 107 or English/ Communication | 3 | MGT 201 | 3 |
| BUS 115 or MATH 120 | 3 | Program Elective | 6 |
| IS 101 or IS 201 | 3 | | |

## ATSS - Automotive Suspension and Steering (Skills Certificate)

### General

#### Catalog Display Name
Automotive Suspension and Steering (Skills Certificate)

#### Catalog Full Description
Prepares students for the National Automotive Service Excellence Exams.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (12 credits)

**Complete ALL of the following Courses:**
- AUTO101 - Introduction to General Mechanics
- AUTO115 - Auto Electricity & Electronics I
- AUTO155 - Steering & Suspension
- OSH222 - General Industry Safety

## ATT - Automotive Transmission/Transaxle (Skills Certificate)

### General

#### Catalog Display Name
Automotive Transmission/Transaxle (Skills Certificate)

#### Catalog Full Description
Prepares students for the National Automotive Service Excellence Exams.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (14 credits)

**Complete ALL of the following Courses:**
- AUTO101 - Introduction to General Mechanics
- AUTO115 - Auto Electricity & Electronics I
- AUTO205 - Manual Drivetrain and Axles
- AUTO210 - Automatic Transmissions & Transaxles I
- OSH222 - General Industry Safety

# AUT-CP - Automotive Mechanics (Certificate of Achievement)

## General

### Catalog Display Name
Automotive Mechanics (Certificate of Achievement)

### Catalog Full Description
Offers students an opportunity to acquire the necessary skills and technical theory for a successful career as an automotive mechanic. Individuals already employed in the automotive mechanics field will be able to upgrade their knowledge.

### Simple Requirements

**Program Requirements**

**Program Requirements (20 credits)**

**Type**
Completion Requirement

Program Requirements (20 credits)

**Complete ALL of the following Courses:**

- AUTO101 - Introduction to General Mechanics
- AUTO115 - Auto Electricity & Electronics I
- AUTO145 - Automotive Brakes
- AUTO155 - Steering & Suspension
- AUTO225 - Engine Performance I/Fuel & Ignition
- OSH222 - General Industry Safety

**General Education Requirements**

**General Education Requirements (10 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

**Earn at least 6 credits from the following:**

- CoA English/Communications

*Must include a writing course*

Human Relations (1 credit)

**Earn at least 1 credits from the following:**

- CoA Human Relations

*Recommend: BUS 110*

Mathematics (3 credits)

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

**Additional Comments:**
**Please see the Certificate of Achievement page for a list of all courses fulfilling general education requirements.**

## Suggested Course Sequence

**Degree Map Name**

Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| AUTOMOTIVE MECHANICS | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Second Semester** | **Units** |
| AUTO 101 | 3 | AUTO 155 | 4 |
| AUTO 115 | 4 | AUTO 225 | 4 |
| AUTO 145 | 4 | English/Communications | 3 |
| English/Communications | 3 | Mathematics | 3 |
| Human Relations | 1 | OSH 222 | 1 |

# BUS-CP - Business (Certificate of Achievement)

## General

### Catalog Display Name
Business (Certificate of Achievement)

### Catalog Full Description
Provides students with knowledge and skills for employment in a wide variety of occupations in the field of business.

### Simple Requirements

**Program Requirements**

**Program Requirements (21 credits)**

**Type**
Completion Requirement

Program Requirements (15 credits)

**Complete ALL of the following Courses:**

- ACC135 - Bookkeeping I
  **OR** ACC201 - Financial Accounting
- BUS101 - Introduction to Business
- IS101 - Introduction to Information Systems
  **OR** IS201 - Computer Applications
- MGT201 - Principles of Management
- MKT210 - Marketing Principles

Business Electives (6 credits)

**Earn at least 6 credits from the following:**

- ACC105 - Taxation for Individuals
- ACC135 - Bookkeeping I
- ACC180 - Payroll & Employee Benefit Accounting
- ACC198 - Special Topics in Accounting
- ACC201 - Financial Accounting
- ACC202 - Managerial Accounting
- ACC203 - Intermediate Accounting I
- ACC204 - Intermediate Accounting II
- ACC220 - Microcomputer Accounting Systems
- ACC223 - Introduction to Quickbooks
- ACC261 - Governmental Accounting
- ACC290 - Certified Bookkeeper Course
- ACC295 - Work Experience I
- ACC299 - Advanced Special Topics in Accounting
- BUS107 - Business Speech Communications
- BUS108 - Business Letters and Reports
- BUS110 - Human Relations for Employment
- BUS115 - Business Mathematics
- BUS198 - Special Topics
- BUS271 - Introduction to Employment Law
- BUS273 - Business Law I
- BUS295 - Work Experience I
- BUS299 - Business Capstone
- ECON100 - Introduction to Economics
- ECON102 - Principles of Microeconomics
- ECON103 - Principles of Macroeconomics
- ECON261 - Principles of Statistics I
- ECON262 - Principles of Statistics II
- ENT200 - Fundamentals of Entrepreneurship
- FIN101 - Personal Finance
- FIN115 - Introduction to Investments
- MGT103 - Small Business Management
- MGT212 - Leadership & Human Relations
- MGT235 - Organizational Behavior
- MGT283 - Introduction to Human Resources Management
- MKT127 - Introduction to Retailing
- MKT210 - Marketing Principles
- MKT250 - Introduction to International Marketing
- MKT261 - Introduction to Public Relations
- MKT262 - Introduction to Advertising
- MKT295 - Work Experience I
- RE101 - Real Estate Principles
- RE103 - Real Estate Law And Practice

*Any Accounting, Business, Economics, Entrepreneurship, Finance, Management, Marketing or Real Estate Courses*

**General Education Requirements**

**General Education Requirements (9 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

**Earn at least 6 credits from the following:**

- CoA English/Communications

Recommended: BUS 107 and BUS 108, or ENG 101* and ENG 102*, *must include a writing course*

Mathematics (3 credits)

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

**Additional Comments:**
**MGT 201 meets the Human Relations Requirement.*

**Please see the Certificate of Achievement page for a list of all courses fulfilling general education requirements.**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| BUSINESS - Certificate of Achievement | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Second Semester** | **Units** |
| ACC 135 or ACC 201 | 3 | BUS 108 or ENG 102 | 3 |
| BUS 101 | 3 | BUS 115 or MATH 120 | 3 |
| BUS 107 or ENG 101 | 3 | MGT 201 | 3 |
| IS 101 or IS 201 | 3 | MKT 210 | 3 |
| Business Elective | 3 | Business Elective | 3 |

## CFED - Front End Developer (Skills Certificate)

### General

#### Catalog Display Name
Front End Developer (Skills Certificate)

#### Catalog Full Description
This program will provide the foundation for website development, preparing students for the following industry certifications exams:  CompTIA A+, CompTIA Network+ and CIT Site Developer Associate.  Students will also be eligible to take the TestOut Pro series exams.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (14 credits)

**Complete ALL of the following Courses:**

- CIT112 - Network +
- CIT114 - IT Essentials
- CIT128 - Introduction to Software Development
- CIT151 - Beginning Web Development

## CISR - Certified Inspector of Structures - Residential (Skills Certificate)

### General

#### Catalog Display Name
Certified Inspector of Structures - Residential (Skills Certificate)

#### Catalog Full Description
These courses fulfill the minimum course requirements needed to prepare a student for licensure as a certified inspector of Structures-Residential.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (8 credits)

**Complete ALL of the following Courses:**

- CONS260 - Certified Inspectors of Structures-Residential
- CONS261 - Under-Floor Inspections-Certified Inspector
- CONS262 - Above-Floor Inspections for Certified Inspector
- CONS263 - Supervised Residential Inspections for Certification

## CISRP - Cisco Routing and Switching (Skills Certificate)

### General

#### Catalog Display Name
Cisco Routing and Switching (Skills Certificate)

#### Catalog Full Description
In this program, students will develop the skills to plan, prepare, operate, monitor, and troubleshoot complex converged networks.  Students will be prepared for the following industry certification exams: CompTIA A+, Comp TIA Network +, and Cisco CCNA Route and Switch.  Students will also be eligible to take TestOut curriculum Pro series exams.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (15 credits)

**Complete ALL of the following Courses:**

- CIT112 - Network +
- CIT114 - IT Essentials
- CIT128 - Introduction to Software Development
- CIT220 - Routing and Switching

# CIT-CP - Computer Information Technology (Certificate of Achievement)

## General

### Catalog Display Name
Computer Information Technology (Certificate of Achievement)

### Catalog Full Description
The Certificate of Achievement in Computer Information Technology allows a student to gain foundational knowledge and earn different industry recognized certifications that align with specific job opportunities in a variety of technology areas such as programming, front end or back end developer, networking, cybersecurity, IT program management and other emerging fields. Students may pursue different areas of personal or professional interests based on their choice of electives.

### Simple Requirements

**Program Requirements**

**Program Requirements (21 credits)**

**Type**
Completion Requirement

Program Requirements (14 credits)

**Complete ALL of the following Courses:**
- CIT112 - Network +
- CIT114 - IT Essentials
- CIT128 - Introduction to Software Development
- CIT217 - Security +

Program Electives (7 credits)

**Earn at least 7 credits from the following:**
- CIT110 - A+ Hardware
- CIT130 - Beginning Java
- CIT134 - Beginning C# Programming
- CIT148 - Beginning Python Programming
- CIT151 - Beginning Web Development
- CIT152 - Web Script Language Programming
- CIT173 - Introduction to Linux
- CIT180 - Database Concepts and Sql
- CIT211 - Microsoft Operating System Management
- CIT212 - Microsoft Networking II
- CIT213 - Microsoft 365 Administration
- CIT214 - Microsoft Azure Administration
- CIT220 - Routing and Switching
- CIT230 - Advanced Java
- CIT248 - Advanced Python Programming
- CIT251 - Advanced Web Development
- CIT263 - Introduction to IT Project Management
- CIT270 - Network Tools
- CIT274 - Ethical Hacking
- CIT275 - Hacking Forensics Investigation
- CIT280 - Introduction to Blockchain Concepts
- CIT281 - Intermediate Blockchain Concepts
- CIT284 - Unity Programming I
- CIT285 - Unity Programming II
- CS135 - Computer Science I
- CS202 - Computer Science II
- INF100 - Introduction to Informatics I - Basic Concepts

*Any Computer Information Technology (CIT) course (units vary)*

**General Education Requirements**

**General Education Requirements (9 credits)**

**Type**
Completion Requirement

English/Communications (3 credits)

**Earn at least 3 credits from the following:**
- CoA English/Communications

*Must include a writing course*

Human Relations (3 credits)

**Earn at least 3 credits from the following:**
- CoA Human Relations

Mathematics (3 credits)

**Earn at least 3 credits from the following:**
- CoA & AAS Mathematics

**Additional Comments:**
**Please see the Certificate of Achievement page for a list of all courses fulfilling general education requirements.**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| First Semester | Units | Second Semester | Units |
|---|---|---|---|
| CIT 112 | 3 | CIT 217 | 3 |
| CIT 114 | 4 | Program Elective | 7 |
| CIT 128 | 4 | Human Relations | 3 |
| English/Communications | 3 | Mathematics | 3 |

# CM-BAS - Construction Management (Bachelor of Applied Science)

## General

### Catalog Display Name
Construction Management (Bachelor of Applied Science)

### Catalog Full Description
This degree allows those who have completed an associate degree in construction technology to progress academically and earn a bachelors degree.

The Bachelor of Applied Science degree in Construction Management offers associate degree students, new students and skilled workers an educational route toward a career as a construction manager or supervisor. The 120-credit program combines knowledge in construction methods, planning and project management with business and supervisory skills. It also allows those already working in the construction field to enroll in an applicable baccalaureate degree program and expand career advancement possibilities. Students must meet with a counselor and be admitted into the program.

### Mission
The mission of the Bachelor of Applied Science Degree in Construction Management is to prepare students for entry-level and mid-level positions within the various construction industry disciplines, and to meet the goals of the Technology Division.

### Program Entrance Requirements
*To apply for this program, please fill out the appropriate application on the **Admission and Records Forms page**.*

1. Complete a minimum of 30 college units or equivalent with a minimum 2.0 GPA.
   Within the 30 units:
   - A minimum of 12 units must be in applicable construction courses. This requirement may be waived if the student has construction experience.
   - A minimum of 12 units must be in applicable general education classes, including English 101, with a grade of C or better a grade of C- or lower will not be acceptable.
     **OR:**
   - Have an associate degree in Construction Management from a regionally accredited institution, **or** an associate degree in Apprenticeship from a Nevada System of Higher Education (NSHE) institution.
2. Successfully complete CONS 111 and CONS 281 if not met with the associate degree or transfer credits used for the program entrance requirement.
3. Meet with a WNC counselor.
4. Submit application to **Admission & Records**.

### Simple Requirements

**Program Requirements**

**Prerequisite Courses (6 credits)**

**Type**
Completion Requirement

Preqrequisite Courses (6 credits)

**Complete ALL of the following Courses:**

- CONS111 - Commercial Building Codes
- CONS281 - Construction Planning Scheduling and Control

**Additional Comments:**
Students must successfully complete CONS 111 and CONS 281 if not met with the associate degree or transfer credits used for the program entrance requirement.

**Business and Management Core Requirements (18 credits)**

**Type**
Completion Requirement

Business and Management Core Requirements (6 credits)

**Complete ALL of the following Courses:**

- BUS101 - Introduction to Business
- ACC201 - Financial Accounting

Economics courses (3 credits)

**Earn at least 3 credits from the following:**

- ECON100 - Introduction to Economics
- ECON102 - Principles of Microeconomics
- ECON103 - Principles of Macroeconomics

Management courses (3 credits)

**Earn at least 3 credits from the following:**

- MGT323 - Orgnztional Bhvr & Interpersonal Bhvr
- MGT367 - Human Resource Management

Management courses (6 credits)

**Earn at least 6 credits from the following:**

- COM412 - Intercultural Communication
- MGT462 - Changing Environments
- MGT469 - Managing Cultural Diversity

**Program Requirements (60 credits)**

**Type**
Completion Requirement

Program Requirements (60 credits)

**Complete ALL of the following Courses:**

- CADD100 - Introduction to Computer Aided Drafting
- CEM100 - Fundamentals of Construction Management
- CEM330 - Soils and Foundations for Construction
- CEM350 - Facility Systems Design and Construction I
- CEM432 - Temporary Construction Structures
- CEM451 - Construction Estimating
- CEM452 - Construction Cost Control
- CEM453 - Construction Scheduling
- CEM454 - Heavy Construction Methods and Equipment
- CEM455 - Construction Management Practice
- CEM456 - Construction Management Capstone
- CEM485 - Construction Law and Contracts
- CONS108 - Construction Materials and Methods I
- CONS109 - Construction Materials and Methods II
- CONS118 - Construction Contract Documents
- CONS120 - Blueprint Reading and Specification
- CONS121 - Principles Of Construction Estimating
- CONS205 - Construction Site Safety
- CONS451 - Advanced Internship in Construction

- SUR119 - Construction Surveying

**General Education Requirements**

**General Education Requirements (36 credits)**

**Type**
Completion Requirement

English/Communications (9 credits)

**Earn at least 9 credits from the following:**
- BAS English/Communications Requirement

Fine Arts/Humanities (3 credits)

**Earn at least 3 credits from the following:**
- BAS Fine Arts/Humanities

Mathematics (3 credits)

**Earn at least 3 credits from the following:**
- BAS Mathematics

Science (6 credits)

**Earn at least 6 credits from the following:**
- BAS Science

Social Sciences (3 credits)

**Earn at least 3 credits from the following:**
- BAS Social Sciences

U.S. and Nevada Constitution (3 credits)

**Earn at least 3 credits from the following:**
- U.S. & Nevada Constitution

General Electives (9 credits)

**Earn at least 9 credits**

## Learning Outcomes

### Learning Outcomes

Learning outcomes are not integrated with Peoplesoft and exist as a "Coursedog Only" element.

**Program Learning Objective**
Evaluate organizational planning and performance from a strategic perspective utilizing management tools and articulate performance to various stakeholders.

**Program Learning Objective**
Analyze project, program, and portfolio management from an organizational perspective.

**Program Learning Objective**
Evaluate project management leadership theories and applications across organization types.

**Program Learning Objective**
Formulate project plans integrating tools and software to enable business value creation.

**Program Learning Objective**
Communicate effectively to diverse internal and external audiences.

**Program Learning Objective**
Demonstrate contributions of individual and group leadership to organization goal attainment.

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

| Suggested Course Sequence | | | |
|---|---|---|---|
| **Bachelor of Applied Science - Construction Management**<br>*Note: Sequence based on enrollment that begins with the fall semester. Some courses may not be taught each semester.* | | | |
| **First Semester** | **Units** | **Fifth Semester** | **Units** |
| CEM 100 | 3 | ACC 201 | 3 |
| CONS 108 | 4 | Bus/Management | 3 |
| ENG 101 | 3 | English/Communications | 3 |
| MATH 126 or higher | 3 | Fine Arts | 3 |
| Science | 3 | Science | 3 |
| **Second Semester** | **Units** | **Sixth Semester** | **Units** |
| CONS 109 | 4 | CEM 330 | 3 |
| CONS 118 | 3 | CEM 350 | 3 |
| CONS 120 | 3 | CEM 432 | 3 |
| ENG 102 | 3 | Bus/Management | 3 |
| Mathematics | 3 | Social Science | 3 |
| **Third Semester** | **Units** | **Seventh Semester** | **Units** |
| CADD 100 | 3 | CEM 451 | 3 |
| CONS 121 | 3 | CEM 453 | 3 |
| Humanities | 3 | CEM 454 | 3 |
| General Elective | 3 | CEM 455 | 3 |
| | | Bus/Management | 3 |
| **Fourth Semester** | **Units** | **Eighth Semester** | **Units** |
| CONS 205 | 2 | CEM 452 | 3 |
| SUR 119 | 3 | CEM 485 | 3 |
| Economics | 3 | CONS 451 | 3 |
| U.S./Nevada Consitution | 3 | Capstone | 3 |

## CONSGW - Construction Gateway Program (Skills Certificate)

### General

#### Catalog Display Name
Construction Gateway Program (Skills Certificate)

#### Catalog Full Description
These courses prepare students with the basic knowledge and skills needed on any jobsite. Upon successful completion, students are eligible to take the Construction Craft Laborer credential exam offered by the National Center for Construction Education and Research (NCCER).

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (15 credits)

**Complete ALL of the following Courses:**

- CEM100 - Fundamentals of Construction Management
- CONS108 - Construction Materials and Methods I
- CONS120 - Blueprint Reading and Specification
- CONS205 - Construction Site Safety
- MATH110 - Mathematics for Industry

## CR - Real Estate Salesperson (Skills Certificate)

### General

#### Catalog Display Name
Real Estate Salesperson (Skills Certificate)

#### Catalog Full Description
WNC offers courses to prepare students for licensure by the Nevada Real Estate Division.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (8 credits)

**Complete ALL of the following Courses:**

- RE101 - Real Estate Principles
- RE103 - Real Estate Law And Practice

# CRJ-AAS - Criminal Justice (Associate of Applied Science)

## General

### Catalog Display Name
Criminal Justice (Associate of Applied Science)

### Catalog Full Description
This program provides students the opportunity to explore all areas of the criminal justice system, including law enforcement, policing and investigations, corrections, parole and probation, prosecution and courts, juvenile justice, and rehabilitation options within the community. Students will receive valuable access and networking with experienced instructors who have studied and worked extensively in all areas of the criminal justice system. Students interested in pursuing a bachelor degree in criminal justice should choose the Associate of Arts degree and work closely with a counselor when choosing their classes.

**Please see the Associate of Applied Science page for a list of all courses filling general education requirements.**

### Mission
The purpose of the criminal justice degree is to provide the academic knowledge and skills in the criminal justice field.

### Simple Requirements

**Program Requirements**

**Program Requirements (36 credits)**

**Type**
Completion Requirement

Program Requirements (27 credits)

**Complete ALL of the following Courses:**
- CRJ104 - Introduction to the Administration of Justice
- CRJ106 - Introduction to Corrections
- CRJ155 - Juvenile Justice System
- CRJ164 - Principles Of Investigation
- CRJ211 - Police in America
- CRJ222 - Criminal Law and Procedure
- CRJ234 - Introduction to the Courts and American Legal System
- CRJ225 - Criminal Evidence
- CRJ270 - Introduction to Criminology

Program Electives (9 credits)

**Earn at least 9 credits from the following:**
- ART135 - Darkroom Photography I
- ART141 - Introduction to Digital Photography I
- BUS107 - Business Speech Communications
- COM101 - Oral Communications
- CPD116 - Substance Abuse-Fundamental Facts and Insights
- CPD117 - Introduction to Counseling
- CPD129 - Communication Techniques
- HIST226 - Popular Culture and History: Organized Crime
- STAT152 - Introduction to Statistics
- SW230 - Crisis Intervention
- Any CRJ course
- Any IS, COT or CIT course
- Any PSY or SOC couse
- Any Foreign Language course

**General Education Requirements**

**General Education Requirements (24 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

**Earn at least 6 credits from the following:**
- AAS English/Communications

*Recommended: ENG 101 and ENG 102*

Humanities (3 credits)

**Earn at least 3 credits from the following:**
- AAS Humanities

Mathematics (3 credits)

**Earn at least 3 credits from the following:**
- CoA & AAS Mathematics

Recommended: MATH 120 or higher

Science (3 credits)

**Earn at least 3 credits from the following:**
- AGS & AAS Science

U.S. and Nevada Constitution (3 credits)

**Earn at least 3 credits from the following:**
- U.S. & Nevada Constitution

General Electives (6 credits)

**Earn at least 6 credits**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| CRIMINAL JUSTICE<br>Associate of Applied Science | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Third Semester** | **Units** |
| CRJ 104 | 3 | CRJ 155 | 3 |
| ENG 101 | 3 | CRJ 211 | 3 |
| Humanities | 3 | CRJ 225 | 3 |
| Mathematics | 3 | Program Elective | 3 |
| General Elective | 3 | Science | 3 |
| **Second Semester** | **Units** | **Fourth Semester** | **Units** |
| CRJ 106 | 3 | CRJ 222 | 3 |
| CRJ 164 | 3 | CRJ 234 | 3 |
| ENG 102 | 3 | CRJ 270 | 3 |
| Program Elective | 3 | Program Elective | 3 |
| General Elective | 3 | U.S./NV Constitution | 3 |

## CRJ-CP - Criminal Justice (Certificate of Achievement)

### General

#### Catalog Display Name
Criminal Justice (Certificate of Achievement)

#### Catalog Full Description
Designed for students or current peace officers seeking to advance their future in criminal justice. Students will gain knowledge and skills to obtain employment in various criminal justice occupations. Current peace officers can apply for Intermediate and Advanced POST certificates at an accelerated rate.

#### Simple Requirements

**Program Requirements**

**Program Requirements (21 credits)**

**Type**
Completion Requirement

Program Requirements (18 credits)

**Complete ALL of the following Courses:**

- CRJ104 - Introduction to the Administration of Justice
- CRJ106 - Introduction to Corrections
  **OR** CRJ211 - Police in America
- CRJ164 - Principles Of Investigation
- CRJ222 - Criminal Law and Procedure
- CRJ225 - Criminal Evidence
- CRJ270 - Introduction to Criminology

Program Electives (3 credits)

**Earn at least 3 credits from the following:**

- ART135 - Darkroom Photography I
- ART141 - Introduction to Digital Photography I
- BUS107 - Business Speech Communications
- COM101 - Oral Communications
- CPD116 - Substance Abuse-Fundamental Facts and Insights
- CPD117 - Introduction to Counseling
- CPD129 - Communication Techniques
- STAT152 - Introduction to Statistics
- HIST226 - Popular Culture and History: Organized Crime
- SW230 - Crisis Intervention

Any CRJ course

Any IS, COT, or CIT course

Any Foreign Language

Any PSY or SOC

**General Education Requirements**

**General Education Requirements (6 credits)**

**Type**
Completion Requirement

English/Communications (3 credits)

*Must include writing course*

**Earn at least 3 credits from the following:**

- CoA English/Communications

***Writing Courses:** *Business 108, English 100, 101, 102, 107 or any other 200 level English class.*

Mathematics (3 credits)

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

**Additional Comments:**
**CRJ 270 fulfills Human Relations requirement.*

**Please see the Certificate of Achievement page for a list of all courses filling general education requirements.**

**General Electives**

**General Electives (3 credits)**

**Type**
Completion Requirement

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| CRIMINAL JUSTICE - Certificate of Achievement | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Second Semester** | **Units** |
| CRJ 104 | 3 | CRJ 164 | 3 |
| CRJ 106 or CRJ 211 | 3 | CRJ 222 | 3 |
| CRJ 225 | 3 | CRJ 270 | 3 |
| English/Communications | 3 | Mathematics | 3 |
| Program Elective | 3 | General Elective | 3 |

# CTBI-AAS - CTE Teacher Training for Business & Industry Professionals (Associate of Applied Science)

## General

### Catalog Display Name
CTE Teacher Training for Business & Industry Professionals (Associate of Applied Science)

### Catalog Full Description
The CTE Teacher Training Program prepares students with Business & Industry licenses, or those seeking to transition into CTE teaching from business/industry professions, to guide the next generation in exploring career pathways and developing practical skills aligned with industry needs. This program equips educators to deliver high-quality instruction while meeting licesnure requirements and providing immediate support and mentorship.

This program offers foundational training in pedogogy, classroom management, curriculum design, and educational standards, helping teachers navigate school environments and build the tools necessary for success. Participants develop essential skills for engaging diverse student populations, managing school operations, and integrating academic literacy into career-specific teaching practices, ensuring alignment with state standards.

### Mission
The mission of the Associate of Applied Science degree in CTE Classroom Teaching is to provide employment-related knowledge and skills necessary to succeed as a professional in the field.

### Simple Requirements

**Program Requirements**

**Program Requirements (39 credits)**

**Type**
Completion Requirement

Program Requirements (27 credits)

**Complete ALL of the following Courses:**

- EDCT230 - Introduction to Career & Technical Education
- EDCT239 - Introduction to CTE Teaching Methods
- EDCT247 - Introduction to CTE Curriculum & Instruction
- EDCT260 - Teaching Reading, Writing and Math in a CTE Classroom
- EDCT271 - Introduction to Workforce Development & Career Tech Student Organizations
- EDCT288 - Inclusive Strategies for Multicultural-Multilingual Students in CTE
- EDCT290 - Career Preparation through Performance Based Education
- EDU210 - Nevada School Law
- ACC135 - Bookkeeping I

Program Electives (12 credits)

**Earn at least 12 credits from the following:**

- EDCT101 - CTE Teaching Foundations I
- EDCT102 - CTE Teaching Foundations II
- EDCT110 - Communication Skills for Teachers
- EDCT212 - Family/Community Engagement and Advocacy for CTE Teachers
- EDCT295 - CTE Teaching Internship
- EDCT298 - Special Topics in CTE Education
- EDU202 - Introduction to Secondary Education

- EDU203 - Introduction to Special Education
- EDU214 - Preparing Teachers to Use Technology
- EDU295 - Special Topics in Education
- EPD162 - PPST/Praxis I Reading Review
- EPD163 - PPST/Praxis I Writing Review
- EPD164 - PPST/Praxis I Math Review
- HDFS202 - Introduction to Families
- Any EDCT course

**General Education Requirements**

**General Education Requirements (21 credits)**

**Type**
Completion Requirement

English/Communications (3 credits)

EDCT 110 Required

**Complete ALL of the following Courses:**
- EDCT110 - Communication Skills for Teachers

English/Communications (3 credits)

*Must include a writing course*

**Earn at least 3 credits from the following:**
- BUS108 - Business Letters and Reports
- ENG100 - Composition - Enhanced
  **OR** ENG101 - Composition I
- ENG102 - Composition II
- ENG107 - Technical Communications I
- ENG200 - Novels Into Film
- ENG205 - Introduction to Creative Writing
- ENG221 - Writing Fiction
- ENG223 - Themes of Literature
- ENG224 - Introduction to Screenwriting
- ENG226 - Memoir and Autobiography
- ENG261 - Introduction to Poetry
- ENG266 - Popular Literature
- ENG271 - Introduction to Shakespeare
- ENG282 - Intro to Language & Literary Expression
- ENG295 - Directed Study in English
- ENG299 - Special Topics in English
- Any 200 level English class

Humanities/Social Science (3 credits)

**Earn at least 3 credits from the following:**
- AAS Humanities/Social Sciences

Human Relations (3 credits)

**Earn at least 3 credits from the following:**
- AAS Human Relations

Mathematics (3 credits)
- MATH 120 or higher

**Earn at least 3 credits from the following:**
- CoA & AAS Mathematics

Science (3 credits)

**Earn at least 3 credits from the following:**
- AGS & AAS Science

U.S. and Nevada Constitution (3 credits)

**Earn at least 3 credits from the following:**
- U.S. & Nevada Constitution

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| First Semester | Units | Third Semester | Units |
|---|---|---|---|
| ACC 135 | 3 | EDCT 260 | 3 |
| EDCT 110 | 3 | EDCT 271 | 3 |
| EDCT 230 | 3 | EDU 210 | 3 |
| EDCT 247 | 3 | Program Elective | 3 |
| Mathematics | 3 | Humanities/Social Science | 3 |
| **Second Semester** | **Units** | **Fourth Semester** | **Units** |
| EDCT 239 | 3 | EDCT 288 | 3 |
| EDCT 290 | 3 | Program Electives | 6 |
| Program Elective | 3 | Science | 3 |
| English/Communications | 3 | U.S./NV Constitution | 3 |
| Human Relations | 3 | | |

## CTELBI - CTE Teacher Licensure, Business and Industry (Skills Certificate)

### General

#### Catalog Display Name
CTE Teacher Licensure, Business and Industry (Skills Certificate)

#### Catalog Full Description
These courses are for CTE business & industry teachers or anyone working to meet licensure requirements to include academic teachers who are already certified but have or will transition to CTE based on their work experience, new B&I teachers or those seeking a B&I license.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (18 credits)

**Complete ALL of the following Courses:**

- EDCT212 - Family/Community Engagement and Advocacy for CTE Teachers
- EDCT239 - Introduction to CTE Teaching Methods
- EDCT247 - Introduction to CTE Curriculum & Instruction
- EDCT271 - Introduction to Workforce Development & Career Tech Student Organizations
- EDCT288 - Inclusive Strategies for Multicultural-Multilingual Students in CTE
- EDCT290 - Career Preparation through Performance Based Education

** EDCT 212 and EDCT 288 meet a general education requirement for the Certificate of Achievement or the Associate of Applied Science.*

## CTET-CP - CTE Classroom Teaching (Certificate of Achievement)

### General

#### Catalog Display Name
CTE Classroom Teaching (Certificate of Achievement)

#### Simple Requirements

**Program Requirements**

**Program Requirements (21 credits)**

**Type**
Completion Requirement

Program Requirements (15 credits)

**Complete ALL of the following Courses:**

- EDCT230 - Introduction to Career & Technical Education
- EDCT239 - Introduction to CTE Teaching Methods
- EDCT247 - Introduction to CTE Curriculum & Instruction
- EDCT260 - Teaching Reading, Writing and Math in a CTE Classroom
- EDCT290 - Career Preparation through Performance Based Education

Program Electives (6 credits)

**Choose 6 credits from the following program electives:**

Any EDCT or EPD course

**Earn at least 6 credits from the following:**

- EDCT101 - CTE Teaching Foundations I
- EDCT102 - CTE Teaching Foundations II
- EDCT212 - Family/Community Engagement and Advocacy for CTE Teachers
- EDCT271 - Introduction to Workforce Development & Career Tech Student Organizations
- EDCT288 - Inclusive Strategies for Multicultural-Multilingual Students in CTE
- EDCT295 - CTE Teaching Internship
- EDCT298 - Special Topics in CTE Education
- EPD162 - PPST/Praxis I Reading Review
- EPD163 - PPST/Praxis I Writing Review
- EPD164 - PPST/Praxis I Math Review
- EPD276 - Management Methods for Substitutes
- EPD295 - Special Topics in Educational Professional Development

**General Education Requirements**

**General Education Requirements (9 credits)**

**Type**
Completion Requirement

English/Communications (3 credits)

**Complete ALL of the following Courses:**

- EDCT110 - Communication Skills for Teachers

Human Relations (3 credits)

EDCT 212 Recommended

**Earn at least 3 credits from the following:**

- CoA Human Relations

Mathematics (3 credits)

Math 120 or higher Recommended

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

**Additional Comments:**
**Please see the Certificate of Achievement page for a list of all courses fulfilling general education requirements.**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| First Semester | Units | Second Semester | Units |
|---|---|---|---|
| EDCT 110 | 3 | EDCT 239 | 3 |
| EDCT 230 | 3 | EDCT 260 | 3 |
| EDCT 247 | 3 | EDCT 290 | 3 |
| Program Elective | 3 | Program Elective | 3 |
| Mathematics (120 or higher) | 3 | Human Relations | 3 |

## CTET1 - CTE Teaching I (Skills Certificate)

## General

### Catalog Display Name
CTE Teaching I (Skills Certificate)

### Catalog Full Description
These courses are for CTE business & industry teachers (ideally years 1-3), CTE long-term subs, or those seeking a B&I teaching license, who need immediate classroom support. This program will build understanding of what CTE is, develop a foundational understanding of curriculum/instruction and begin to meet provisional licensure requirements.

### Simple Requirements

**Program Requirements**

**Program Requirements (12 credits)**

**Type**
Completion Requirement

Required Courses (12 credits)

**Complete ALL of the following Courses:**

- EDCT101 - CTE Teaching Foundations I
  **OR** EDCT102 - CTE Teaching Foundations II
- EDCT110 - Communication Skills for Teachers
- EDCT230 - Introduction to Career & Technical Education
- EDCT247 - Introduction to CTE Curriculum & Instruction

* EDCT 110 and EDCT 230 meet a general education requirement for the Certificate of Achievement or the Associate of Applied Science.

** EDCT 247 meets the Nevada Department of Education licensure requirements for CTE Business & Industry licensure

Program Elective (3 credits)

**Earn at least 3 credits from the following:**

- Any EDCT Course
- Any EPD Course

Recommend: EDCT 295 for new teachers or EDCT 239**

** EDCT 239 meets the Nevada Department of Education licensure requirements for CTE Business & Industry licensure.

## CTET2 - CTE Teaching II (Skills Certificate)

### General

#### Catalog Display Name
CTE Teaching II (Skills Certificate)

#### Catalog Full Description
These courses are for CTE business & industry teachers, CTE long-term subs, or those seeking a B&I teaching license, who are working to meet licensure requirements within three years, have some comfort in the classroom and are seeking ways to better engage students, improve curriculum delivery methods, and provide support for students who are struggling with literacy issues (ie. special education or ESL students).

#### Simple Requirements

**Program Requirements**

**Program Requirements (12 credits)**

**Type**
Completion Requirement

Required Courses (9 credits)

**Complete ALL of the following Courses:**

- EDCT239 - Introduction to CTE Teaching Methods
- EDCT260 - Teaching Reading, Writing and Math in a CTE Classroom
- EDCT290 - Career Preparation through Performance Based Education

*** EDCT 239 and EDCT 290 meet the Nevada Department of Education licensure requirements for CTE Business & Industry licensure.*

Program Electives (3 credits)

**Earn at least 3 credits from the following:**

- Any EDCT Course
- Any EPD Course

** Recommend EDCT 271 *which meets the Nevada Department of Education licensure rquirements for CTE Business & Industry licensure.*

## CYBSEC - Cybersecurity (Skills Certificate)

### General

#### Catalog Display Name
Cybersecurity (Skills Certificate)

#### Catalog Full Description
WNC offers certification preparation for Certified Network Defender, Certified Ethical Hacker and Computer Hacking Forensics Investigator. EC-Council certifications are recognized and respected worldwide.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (12 credits)

**Complete ALL of the following Courses:**

- CIT217 - Security +
- CIT273 - Network Defense
- CIT274 - Ethical Hacking
- CIT275 - Hacking Forensics Investigation

## EAI - Energy Audit Inspection (Skills Certificate)

### General

#### Catalog Display Name
Energy Audit Inspection (Skills Certificate)

#### Catalog Full Description
These skills certificates will prepare students to earn Building Performance Institute (BPI) certifications required to conduct various types of residential energy audits. WNC is partnering with Everblue to offer these certificates as upskilling opportunities or through an apprenticeship structure.

For more information about enrolling in these programs, contact Deb Conrad: **deb.conrad@wnc.edu**

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (6 credits)

**Complete ALL of the following Courses:**

- ENRG160 - Building Science Principles
- ENRG161 - Building Analyst Technician
- ENRG162 - Building Analyst Professional
- ENRG167 - Home Energy Audit Quality Control Inspection

# EAL - Energy Auditor Leadership (Skills Certificate)

## General

### Catalog Display Name
Energy Auditor Leadership (Skills Certificate)

### Catalog Full Description
These skills certificates will prepare students to earn Building Performance Institute (BPI) certifications required to conduct various types of residential energy audits. WNC is partnering with Everblue to offer these certificates as upskilling opportunities or through an apprenticeship structure.

For more information about enrolling in these programs, contact Deb Conrad: **deb.conrad@wnc.edu**

### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (7 credits)

**Complete ALL of the following Courses:**
- ENRG160 - Building Science Principles
- ENRG161 - Building Analyst Technician
- ENRG162 - Building Analyst Professional
- ENRG166 - Energy Auditor Leadership

# ECE-CP - Early Childhood Education (Certificate of Achievement)

## General

### Catalog Display Name
Early Childhood Education (Certificate of Achievement)

### Catalog Full Description
Students will prepare to work in early childhood settings (child care, preschool education and community education programs) and learn human development and cognitive skills associated with children from birth through age 8. Students interested in transferring to a four-year education program should consult with an academic counselor.

### Simple Requirements

**Program Requirements**

**Program Requirements (21 credits)**

**Type**
Completion Requirement

Program Requirements (18 credits)

**Complete ALL of the following Courses:**
- ECE200 - The Exceptional Child
- ECE250 - Intro to Early Childhood Education
- ECE251 - Curriculum in Early Childhood Education
- ECE204 - Principles of Child Guidance
- HDFS201 - Life Span Human Development
- HDFS232 - Diversity and the Young Child - a Multicultural Perspective

Program Electives (3 credits)

**Earn at least 3 credits from the following:**
- ECE231 - Preschool Practicum: Early Childhood Lab
- EDU207 - Exploration of Children's Literature
- EDU214 - Preparing Teachers to Use Technology
- HDFS202 - Introduction to Families
- PSY233 - Child Psychology

**General Education Requirements**

**General Education Requirements (9 credits)**

**Type**
Completion Requirement

English/Communications (3 credits)

Recommended: ENG 100 or ENG 101

*Must include a writing course*

**Earn at least 3 credits from the following:**
- CoA English/Communications

***Writing Courses:** *Business 108, English 100, 101, 102, 107 or any other 200 level English class.*

Mathematics (3 credits)

Recommended: MATH 120 or higher

**Earn at least 3 credits from the following:**
- CoA & AAS Mathematics

General Elective (3 credits)

**Earn at least 3 credits**

**Additional Comments:**
**HDFS 201 fulfills the Human Relations requirement.*

**Please see the Certificate of Achievement page for a list of all courses fulfilling general education requirements.**

## ECE1 - Early Childhood Educator I (Skills Certificate)

### General

#### Catalog Display Name
Early Childhood Educator I (Skills Certificate)

#### Catalog Full Description
These courses provide students with the foundational skills needed to successfully work in an early childhood education setting, such as preschool, childcare or community education programs. Coursework satisfies some of the initial courses of training required for caregivers working in licensed facilities (NAC 432A). Please check the Nevada Registry for more information (nevadaregistry.org).

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (7.5 credits)

**Complete ALL of the following Courses:**

- ECE168 - Infectious Diseases and First Aid
- ECE204 - Principles of Child Guidance
- ECE250 - Intro to Early Childhood Education
- EMS100 - Healthcare Provider CPR

## ECE2 - Early Childhood Educator II (Skills Certificate)

### General

#### Catalog Display Name
Early Childhood Educator II (Skills Certificate)

#### Catalog Full Description
These courses advance the foundational skills needed for success in an early childhood education career, such as a preschool, childcare or community education program. Coursework may satisfy initial courses of training required for caregivers working in licensed facilities (NAC 432A) or continuing education requirements. Please check the Nevada Registry for more information (nevadaregistry.org).

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (10 credits)

**Complete ALL of the following Courses:**

- ECE121 - Parent Care Relations
- ECE200 - The Exceptional Child
- ECE231 - Preschool Practicum: Early Childhood Lab
- ECE251 - Curriculum in Early Childhood Education

## ELEM - Foundations in Elementary Education (Skills Certificate)

### General

#### Catalog Display Name
Foundations in Elementary Education (Skills Certificate)

#### Catalog Full Description
The courses in this skills certificate will provide participants with an overview of elementary education and prepare them to become certified paraprofessionals and/or provide the foundation to continue their educational pathway to an elementary education degree. Students will be prepared to take the ETS-Praxis Parapro Assessment.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (15 credits)

**Complete ALL of the following Courses:**

- EDU201 - Introduction to Elementary Education
- EDU203 - Introduction to Special Education
- EDU206 - Classroom Learning Environments
- EDU220 - Principles of Educational Psychology
- EDU245 - Foundations of Elementary Literacy and the Science of Reading

# ELEM-CP - Elementary Education (Certificate of Achievement)

## General

### Catalog Display Name
Elementary Education (Certificate of Achievement)

### Catalog Full Description
Students will prepare to become certified paraprofessionals, providing the opportunity to earn a living and gain experience while continuing their educational pathway to becoming a teacher. This program will also serve those currently working as paraprofessionals but seeking further knowledge and experience for upskilling and career advancement. Students interested in transferring to a four-year education program should consult with an academic advisor.

### Simple Requirements

**Program Requirements**

**Program Requirements (24 credits)**

**Type**
Completion Requirement

Program Requirements (21 credits)

**Complete ALL of the following Courses:**

- EDU201 - Introduction to Elementary Education
- EDU203 - Introduction to Special Education
- EDU206 - Classroom Learning Environments
- EDU207 - Exploration of Children's Literature
- EDU220 - Principles of Educational Psychology
- EDU245 - Foundations of Elementary Literacy and the Science of Reading
- HDFS201 - Life Span Human Development

Program Electives (3 credits)

Any EDU, ECE, or HDFS course (Recommended: EDU 210)

**Earn at least 3 credits**

**General Education Requirements**

**General Education Requirement (6 credits)**

**Type**
Completion Requirement

English/Communications (3 credits)

**Earn at least 3 credits from the following:**

- CoA English/Communications

Mathematics (3 credits)

MATH 110 or higher

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

**Additional Comments:**
**HDFS 201 meets the Human Relations Requirement.*

**Please see the Certificate of Achievement page for a list of all courses filling general education requirements.**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| First Semester | Units | Second Semester | Units |
|---|---|---|---|
| EDU 201 | 3 | EDU 207 | 3 |
| EDU 203 | 3 | EDU 220 | 3 |
| EDU 206 | 3 | EDU 245 | 3 |
| HDFS 201 | 3 | English/Communications | 3 |
| Mathematics (110 or higher) | 3 | Program Elective | 3 |

# EMS-CP - Emergency Medical Services (Certificate of Achievement)

## General

### Catalog Display Name
Emergency Medical Services (Certificate of Achievement)

### Catalog Full Description
The Certificate of Achievement-Emergency Medical Services (EMS) is designed for individuals interested in providing care to patients in the pre-hospital setting, and will prepare students for Paramedic level training. This program will provide the knowledge, skills and attitudes necessary for an entry-level EMT/AEMT and allow eligibility to sit for national and state testing for emergency medical technician and advanced emergency medical technician. The program meets or exceeds the required skills and knowledge as set forth by the NHTSA's office of EMS National EMS Education Standards and Instructional Guidelines.

- EMT/AEMT learning activities are scheduled on and o campus on days, evenings and weekends.
- Course organization requires students to have basic computer skills, including the ability to navigate various online learning programs.
- Clinical experiences take place at acute care hospitals, clinics and other medical facilities.
- Field experience takes place on an ALS ambulance or ALS/ILS Fire Department Engine/Rescue under the direct supervision of a preceptor.

### Program Entrance Requirements
Documentation and currency of the following is required prior to acceptance into the EMS 108 and/or EMS 115 courses:

- An acceptable physical examination and required immunizations and tests.
- Current CPR certification – American Heart Association Healthcare Provider.
- Major medical health insurance (card required).
- An acceptable background check.

*For EMS 115 an EMT Nevada State Certification IS required. National Registry Certification will not be accepted.

### Simple Requirements

**Program Requirements**

**Program Requirements (18 credits)**

**Type**
Completion Requirement

**Complete ALL of the following Courses:**
- BIOL200 - Elements of Human Anatomy & Physiology
  **OR** EMS205 - Principles of Pathophysiology
- EMS108 - Emergency Medical Technician
- EMS115 - Advanced Emergency Medical Technician

** BIOL 223 & BIOL 224 will be accepted in place of BIOL 200.*
*** Current Nevada State EMT Certification is a required prerequisite for EMS 115.*

**General Education Requirements**

**General Education Requirements (12 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

Recommended: COM 101

*Must include a writing course*

**Earn at least 6 credits from the following:**
- CoA English/Communications

***Writing Courses:** *Business 108, English 100, 101, 102, 107 or any other 200 level English class.*

Human Relations (3 credits)

Required: Any Psychology class except 210 (PSY 101 recommended)

**Earn at least 3 credits from the following:**
- PSY101 - General Psychology
- PSY102 - Psychology of Personal/Social Adjustment
- PSY105 - Introduction to Neuroscience
- PSY120 - The Psychology of Human Performance
- PSY130 - Human Sexuality
- PSY220 - Principles of Educational Psychology
- PSY230 - Intro to Personality Psychology
- PSY233 - Child Psychology
- PSY234 - Psychology of Adolescence
- PSY240 - Introduction to Research Methods
- PSY241 - Introduction to Abnormal Psychology
- PSY257 - Introduction to Positive Psychology
- PSY261 - Introduction to Social Psychology
- PSY275 - Undergraduate Research
- PSY280 - The Making of a Murderer

Mathematics (3 credits)

**Earn at least 3 credits from the following:**
- CoA & AAS Mathematics

**Additional Comments:**
**Please see the Certificate of Achievement page for a list of all courses filling general education requirements.**

## FFS - Firefighter I (Skills Certificate)

### General

#### Catalog Display Name
Firefighter I (Skills Certificate)

#### Catalog Full Description
Students will be prepared for the following industry certifications exams:  IFSAC/ NFPA Firefighter I

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (3 credits)

**Complete ALL of the following Courses:**
- FT131 - Hazardous Materials Chemistry

Required Courses (12 credits)

**Earn at least 12 credits from the following:**
- FT106 - Firefighter Academy I
- FS107 - Fire Service Communication Skills
- FT104 - Nevada Firefighter I
- FT110 - Basic Wildland Firefighting
- FT154 - Principles of Fire and Emergency Services, Safety and Survival

Must complete:

- FT 106 or
- All of the following: FS 107, FT 104, FT 110 and FT154

## FS-AAS - Fire Science Technology (Associate of Applied Science)

### General

#### Catalog Display Name
Fire Science Technology (Associate of Applied Science)

#### Catalog Full Description
The Associate of Applied Science (AAS) is designed for individuals interested in a career or advancement in fire service.  The purpose of this program is to prepare competent entry-level firefighters and provide access to education for current fire service personnel advancement within the fire service profession. The courses follow the Fire and Emergency Services Higher Education (FESHE) curriculum.  The course content is designed to meet the National Fire Protection Association's 1001 Standard for Fire Fighter Professional Qualifications.

This degree does not guarantee employment or promotion but will prepare the student to increase their chances of being hired or promoted.  Students may be placed in a physically demanding environment designed to introduce the student to job tasks and skills required to operate in the fire and emergency services.

#### Simple Requirements

**Program Requirements**

**Program Requirements (39 credits)**

**Type**
Completion Requirement

Program Requirements (27 credits)

**Complete ALL of the following Courses:**
- EMS108 - Emergency Medical Technician
- FT101 - Principles of Emergency Services
- FT105 - Fire Behavior and Combustion
- FT109 - Internship in the Fire Science
- FT121 - Fire Prevention
- FT125 - Building Construction for Fire Prevention
- FT131 - Hazardous Materials Chemistry
- FT224 - Fire Protection Systems

**Earn at least 12 credits from the following:**
- FT106 - Firefighter Academy I
  **OR** FT104 - Nevada Firefighter I
  **OR** FT110 - Basic Wildland Firefighting
  **OR** FT154 - Principles of Fire and Emergency Services, Safety and Survival
  **OR** FS107 - Fire Service Communication Skills

FT 106 or FT 104, FT 110, FT 154 and FS 107

**General Education Requirements**

**General Education Requirements (21 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

*Recommend COM 101. Must include a writing course.*

**Earn at least 6 credits from the following:**
- AAS English/Communications

***Writing Courses (***Business 108, English 100, 101, 102, 107 or any 200 level English class)*

Human Relations (3 credits)

**Earn at least 3 credits from the following:**

- AAS Human Relations

Mathematics (3 credits)

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

Science (3 credits)

**Earn at least 3 credits from the following:**

- AGS & AAS Science

U.S. and Nevada Constitution (3 credits)

**Earn at least 3 credits from the following:**

- U.S. & Nevada Constitution

## GRC-AAS - Graphic Design (Associate of Applied Science)

### General

#### Catalog Display Name

Graphic Design (Associate of Applied Science)

#### Catalog Full Description

This program is designed for students who seek quick access to career fields involving print design, Web design, multimedia and animation. Students prepare for careers in graphic design for print and web, using current technologies. Coursework will provide students with knowledge and skills to create visual concepts and communicate ideas that inspire, inform and captivate consumers. Students interested in earning a bachelor degree in Graphic Design can complete an Associate of Arts degree at WNC and then transfer and earn a bachelor degree from the University of Nevada, Reno or Truckee Meadows Community College (granted through Nevada State College).

#### Mission

The Associate of Applied Science degree in Graphic Design will provide employment-related knowledge and skills necessary to succeed in the Graphic Design field. The degree will meet educational criteria for employment and prepare the student for possible transfer to other colleges and universities to meet higher educational and professional goals.

#### Simple Requirements

**Program Requirements**

**Program Requirements (36 credits)**

**Type**
Completion Requirement

Program Requirements (33 credits)

**Complete ALL of the following Courses:**

- ART100 - Visual Foundations
- ART101 - Drawing I
- GRC116 - Introduction to Digital Art and Design
- GRC175 - Web Design I
  **OR** ART260 - Survey Art History I
- GRC200 - Design Thinking and Methodologies
- GRC210 - Typography I
- GRC220 - Graphic Design I
- GRC282 - Motion Graphics for Video
- ART261 - Survey of Art History II
- GRC294 - Professional Portfolio
- MKT210 - Marketing Principles

Art Elective (3 credits)

**Earn at least 3 credits**
Any other ART class (Recommend: ART 141, ART 124, or ART 214)

**General Education Requirements**

**General Education Requirements (24 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

*Must include a writing course. * **Writing Courses (***Business 108, English 100, 101, 102, 107 or any 200 level English class)*

**Earn at least 6 credits from the following:**

- AAS English/Communications

Recommend ENG 101 and ENG 102

Human Relations (3 credits)

**Earn at least 3 credits from the following:**

- AAS Human Relations

Mathematics (3 credits)

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

*Recommend MATH 120 or higher.*

Science (3 credits)

**Earn at least 3 credits from the following:**

- AGS & AAS Science

**Earn at least 3 credits from the following:**

- U.S. & Nevada Constitution

General Electives (6 credits)

**Earn at least 6 credits**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| **GRAPHIC DESIGN - Associate of Applied Science**<br>*Note: Sequence based on enrollment that begins with fall semester. Some courses may not be taught each semester.* | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Third Semester** | **Units** |
| ART 100* | 3 | ART 261* | 3 |
| ART 101* | 3 | GRC 210* | 3 |
| GRC 116* | 3 | GRC 282 | 3 |
| English/Communications | 3 | Human Relations | 3 |
| Mathematics | 3 | Science | 3 |
| **Second Semester** | **Units** | **Fourth Semester** | **Units** |
| ART Elective | 3 | GRC 220* | 3 |
| GRC 175 or ART 260* | 3 | GRC 294 | 3 |
| GRC 200* | 3 | MKT 210 | 3 |
| English/Communications | 3 | U.S./NV Constitution | 3 |
| General Elective | 3 | General Elective | 3 |

## GRC-CP - Graphic Design (Certificate of Achievement)

### General

#### Catalog Display Name
Graphic Design (Certificate of Achievement)

#### Catalog Full Description
In as little as a year, students can enter the job market with specific skills and knowledge useful for employment and advancement.

#### Simple Requirements

**Program Requirements**

**Program Requirements (21 credits)**

**Type**
Completion Requirement

Program Requirements (15 credits)

**Complete ALL of the following Courses:**

- ART100 - Visual Foundations
  **OR** ART101 - Drawing I
- GRC116 - Introduction to Digital Art and Design
- GRC200 - Design Thinking and Methodologies
- GRC210 - Typography I
- GRC220 - Graphic Design I

Program Electives (6 credits)

**Earn at least 6 credits from the following:**

- ART260 - Survey Art History I
- ART261 - Survey of Art History II
- GRC175 - Web Design I
- GRC282 - Motion Graphics for Video
- MKT210 - Marketing Principles

**General Education Requirements**

**General Education Requirements (9 credits)**

**Type**
Completion Requirement

English Communications (3 credits)

**Earn at least 3 credits from the following:**

- CoA English/Communications

Human Relations (1-3 credits)

**Earn at least 1 credits from the following:**

- CoA Human Relations

Mathematics (3 credits)

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

General Elective (0-2 credits)

**Earn up to 2 credits of General Electives.**

**Additional Comments:**
**Please see the Certificate of Achievement page for a list of all courses filling general education requirements.**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| GRAPHIC DESIGN - Certificate of Achievement | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Second Semester** | **Units** |
| ART 100 or ART 101 | 3 | GRC 210 | 3 |
| GRC 116 | 3 | GRC 220 | 3 |
| GRC 200 | 3 | Program Elective | 3 |
| Program Elective | 3 | Mathematics | 3 |
| English/ Communications | 3 | Human Relations or General Elective | 3 |

# HVAC - Heating Ventilation Air-Conditioning/ Refrigeration (Skills Certificate)

## General

### Catalog Display Name
Heating Ventilation Air-Conditioning/Refrigeration (Skills Certificate)

### Catalog Full Description
The skills certificate in HVAC prepares students for a heating and air conditioning industry career. Gain skills, knowledge and experience preparing for the in-demand jobs installing, troubleshooting and repairing HVAC systems.

### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (12 credits)

**Complete ALL of the following Courses:**
- AC102 - Refrigeration Theory
- AC107 - Electrical and Controls for HVAC
- AC113 - Schematic Reading for HVAC/R

# HVAC-CP - Heating, Ventilation, Air Conditioning (HVAC) (Certificate of Achievement)

## General

### Catalog Display Name
Heating, Ventilation, Air Conditioning (HVAC) (Certificate of Achievement)

### Catalog Full Description
The HVAC program prepares students for a heating and air conditioning industry career. Students completing the certificate are ready to begin careers in HVAC installation, troubleshooting and repairing HVAC systems.

### Simple Requirements

**Program Requirements**

**Program Requirements (24 credits)**

**Type**
Completion Requirement

**Complete ALL of the following Courses:**
- AC102 - Refrigeration Theory
- AC106 - Residential Gas Heating
- AC107 - Electrical and Controls for HVAC
- AC113 - Schematic Reading for HVAC/R
- AC150 - Basic Refrigeration Servicing

**General Education Requirements**

**General Education Requirements (7-9 credits)**

**Type**
Completion Requirement

English/Communications (3 credits)

*Must include writing course*

**Earn at least 3 credits from the following:**
- CoA English/Communications

***Writing Courses:** *Business 108, English 100, 101, 102, 107 or any other 200 level English class.*

Human Relations (1-3 credits)

**Earn at least 1 credits from the following:**
- CoA Human Relations

Mathematics (3 credits)

**Earn at least 3 credits from the following:**
- CoA & AAS Mathematics

**Additional Comments:**
**Please see the Certificate of Achievement page for a list of all courses filling general education requirements.**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| HEATING, VENTILATION, AIR CONDITIONING (HVAC) - Certificate of Achievement | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Second Semester** | **Units** |
| AC 102 | 3 | AC 106 | 6 |
| AC 107 | 6 | AC 150 | 6 |
| AC 113 | 3 | Mathematics | 3 |
| English/Communications | 3 | Human Relations | 1-3 |

## IE - Industrial Electronics Technology (Skills Certificate)

### General

#### Catalog Display Name
Industrial Electronics Technology (Skills Certificate)

#### Catalog Full Description
This course of study prepares students for the Certified Electronics Technician Associate Exam, which is administered by the International Society of Certified Electronics Technicians (ISCET).

### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (13 credits)

**Complete ALL of the following Courses:**
- MPT111 - Fundamentals of Manufacturing and Automation I
- ELM110 - Basic Electricity
- ELM112 - Electrical Theory, DC
- ELM121 - Circuit Design
- OSH222 - General Industry Safety

## IET-CP - Industrial Electronics Technology (Certificate of Achievement)

### General

#### Catalog Display Name
Industrial Electronics Technology (Certificate of Achievement)

#### Catalog Full Description
Designed to provide fundamental knowledge of and experience with industrial electronic components and systems to learn job skills applicable in a variety of technical environments including automated systems. Students will learn about and use equipment, tools, and processes that involve electrical and electronic equipment to prepare for International Society of Certified Electronics Technicians (ISCET) certification as a Certified Electronics Technician associate, and be prepared to work as a technician in assembly or troubleshooting positions.

### Simple Requirements

**Program Requirements**

**Program Requirements (21 credits)**

**Type**
Completion Requirement

Program Requirements (16 credits)

**Complete ALL of the following Courses:**
- ELM110 - Basic Electricity
- ELM112 - Electrical Theory, DC
- ELM121 - Circuit Design
- MPT111 - Fundamentals of Manufacturing and Automation I
- MPT112 - Fundamentals of Manufacturing and Automation II
- OSH222 - General Industry Safety

Program Electives (5 credits)

**Earn at least 5 credits**
**Any DFT, ELM, ENGR, MPT, MTT or WELD**

**General Education Requirements**

**General Education Requirements (9 credits)**

**Type**
Completion Requirement

English/Communications (3 credits)

*Must include a writing course*

**Earn at least 3 credits from the following:**
- CoA English/Communications

***Writing Courses:** *Business 108, English 100, 101, 102, 107 or any other 200 level English class.*

Human Relations (3 credits)

**Earn at least 3 credits from the following:**
- CoA Human Relations

Mathematics (3 credits)

*Required: MATH 110 or higher*

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

**Additional Comments:**
**Please see the Certificate of Achievement page for a list of all courses filling general education requirements.**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| First Semester | Units | Second Semester | Units |
|---|---|---|---|
| ELM 110 | 3 | ELM 121 | 3 |
| ELM 112 | 3 | MPT 112 | 3 |
| MPT 111 | 3 | Program Elective | 5 |
| OSH 222 | 1 | English/Communication | 3 |
| Mathematics | 3 | Human Relations | 3 |

## ITE - IT Essentials (Skills Certificate)

### General

### Catalog Display Name
IT Essentials (Skills Certificate)

### Catalog Full Description
This program will provide a solid foundation for students to continue in any area of study based on personal or pressional interest.  Students will be prepared for the following industry certification exams: CompTIA A+, Comp TIA Network +. Students will also be eligible to take TestOut curriculum Pro series exams.

### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (11 credits)

**Complete ALL of the following Courses:**
- CIT112 - Network +
- CIT114 - IT Essentials
- CIT128 - Introduction to Software Development

## ITNS - Network Support (Skills Certificate)

### General

### Catalog Display Name
Network Support (Skills Certificate)

### Catalog Full Description
In this program, students will learn how to keep computer networks running efficiently.  Students will be prepared for the following industry certification exams: CompTIA A+, Comp TIA Network +, and Wireshark Certified Network Analyst.  Students will also be eligible to take TestOut curriculum Pro series exams.

### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (15 credits)

**Complete ALL of the following Courses:**
- CIT112 - Network +
- CIT114 - IT Essentials
- CIT128 - Introduction to Software Development
- CIT270 - Network Tools

## ITPM - IT Project Management (Skills Certificate)

### General

### Catalog Display Name
IT Project Management (Skills Certificate)

### Catalog Full Description
IT project management includes overseeing projects for software development, hardware installations, network upgrades, cloud computing and virtualization rollouts, business analytics and data management projects and implementing IT services. In this program, students will be prepared for the following industry certification exams: Microsoft MOS certification(s), CompTIA Project+, PMI CAPM.  Students will also be eligible to take the TestOut curriculum Pro series exams.

### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (13 credits)

**Complete ALL of the following Courses:**
- CIT128 - Introduction to Software Development
- CIT263 - Introduction to IT Project Management
- IS101 - Introduction to Information Systems
- COM101 - Oral Communications

## ITSEH - IT Security: Ethical Hacking (Skills Certificate)

### General

#### Catalog Display Name
IT Security: Ethical Hacking (Skills Certificate)

#### Catalog Full Description
This program will prepare students to find vulnerabilities in information systems. Students completing the program will be prepared for the following industry certification exams: Comp TIA Network +, EC-Council Certified Network Defender and EC-Council Certified Ethical Hacker. Students will also be eligible to take the TestOut curriculum Pro series exams.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (13 credits)

**Complete ALL of the following Courses:**

- CIT112 - Network +
- CIT128 - Introduction to Software Development
- CIT273 - Network Defense
- CIT274 - Ethical Hacking

## ITSGS - IT Security: General Security (Skills Certificate)

### General

#### Catalog Display Name
IT Security: General Security (Skills Certificate)

#### Catalog Full Description
In this program, students will learn the baseline skills needed to perform core security functions needed for entry level positions. Students completing the program will be prepared for the following industry certification exams: Comp TIA Network +, CompTIA Linux+ and CompTIA Security+. Students will also be eligible to take the TestOut curriculum Pro series exams.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (13 credits)

**Complete ALL of the following Courses:**

- CIT112 - Network +
- CIT128 - Introduction to Software Development
- CIT173 - Introduction to Linux
- CIT217 - Security +

## ITSEP - Secondary Education Endorsement - Programming (Skills Certificate)

### General

#### Catalog Display Name
Secondary Education Endorsement - Programming (Skills Certificate)

#### Catalog Full Description
This program satisfies the programming requirement for licensed secondary educators in Nevada to add the Advanced Computer Science endorsement, allowing them to teach high school computer science courses. Coursework can be completed online. Students will be prepared for the following industry certifications exams: Python Institute's PCEP - Certified Entry-Level Python Programmer and PCAP - Certified Associate in Python Programming certifications.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (10 credits)

**Complete ALL of the following Courses:**

- CIT128 - Introduction to Software Development
- CIT148 - Beginning Python Programming
- CIT248 - Advanced Python Programming

## MCISA - Microsoft Certified IT Professional - Server Administrator (Skills Certificate)

### General

#### Catalog Display Name
Microsoft Certified IT Professional - Server Administrator (Skills Certificate)

#### Catalog Full Description
This program is aligned with the Microsoft Certified Technology Specialist (MCTS) certification program and is designed to give the students the skills needed to implement a Microsoft product or technology as part of an organization's business solution.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (12 credits)

**Complete ALL of the following Courses:**

- CIT211 - Microsoft Operating System Management
- CIT212 - Microsoft Networking II
- CIT213 - Microsoft 365 Administration
- CIT214 - Microsoft Azure Administration

## MECH - Mechatronics Foundation (Skills Certificate)

### General

#### Catalog Display Name
Mechatronics Foundation (Skills Certificate)

#### Catalog Full Description
Mechatronics is the study of electrical, mechanical, fluid power and control components that make up automated systems in high-tech industrial environments. This program is for individuals currently working or seeking opportunities in occupations such as maintenance, IT and engineering. Students will become well-versed in basic factory floor controls, automation and programming, learning to analyze and modify modern production control systems that use industry 4.0 automation technologies and processes. Upon completion, students will be prepared for the SACA C-102 Certified Industry 4.0 Associate II.

*Instructor permission is required.*

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (12 credits)

**Complete ALL of the following Courses:**
- MPT160 - Mechanical Drive Systems I
- ELM129 - Electric Motors & Drives
- ELM134 - Programmable Logic Controllers I
- ELM140 - Industrial Robotics

## MECT-CP - Mechatronics Technology (Certificate of Achievement)

### General

#### Catalog Display Name
Mechatronics Technology (Certificate of Achievement)

#### Catalog Full Description
The Mechatronics Certificate of Achievement expands on the electrical and mechanical skills in the foundational courses and/or field experience to develop further proficiency in Industry 4.0 processes.

#### Simple Requirements

**Program Requirements**

**Program Requirements (18 credits)**

**Type**
Completion Requirement

Program Requirements (16 credits)

**Complete ALL of the following Courses:**
- MPT111 - Fundamentals of Manufacturing and Automation I
- MPT112 - Fundamentals of Manufacturing and Automation II
- MPT160 - Mechanical Drive Systems I
- ELM127 - Introduction to AC Controls
- ELM134 - Programmable Logic Controllers I
- OSH222 - General Industry Safety

Program Electives (2 credits)

**Earn at least 2 credits**
**Any AIT, ELM, ENGR, ET, MPT, or MT course**

**General Education Requirements**

**General Education Requirements (12 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

*Must Include a writing course*

**Earn at least 6 credits from the following:**
- CoA English/Communications

***Writing Courses:** *Business 108, English 100, 101, 102, 107 or any other 200 level English class.*

Human Relations (3 credits)

**Earn at least 3 credits from the following:**
- CoA Human Relations

Mathematics (3 credits)

**Earn at least 3 credits from the following:**
- CoA & AAS Mathematics

**Additional Comments:**
**Please see the Certificate of Achievement page for a list of all courses filling general education requirements.**

### Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

#### Degree Map Narrative

**Suggested Course Sequence**

| First Semester | Units | Second Semester | Units |
|---|---|---|---|
| ELM 127 | 3 | ELM 134 | 3 |
| MPT 111 | 3 | MPT 112 | 3 |
| OSH 222 | 1 | MPT 160 | 3 |
| Program Elective | 2 | English/Communications | 3 |
| English/Communications | 3 | Human Relations | 3 |
| Mathematics | 3 | | |

## MT - Manufacturing Technician (Skills Certificate)

### General

#### Catalog Display Name
Manufacturing Technician (Skills Certificate)

#### Catalog Full Description
The Manufacturing Technician program is the entry point for those seeking career opportunities in Advanced Manufacturing, Robotics and Mechatronics. This program will prepare individuals to succeed in modern production environments that use industry 4.0 controls, automation and processes. Upon completion, students will be prepared to earn the C-101 Certified Industry 4.0 Associate I - Basic Operation certificate through the Smart Automation Certification Alliance (SACA).

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (13 credits)

**Complete ALL of the following Courses:**

- MPT111 - Fundamentals of Manufacturing and Automation I
- MPT112 - Fundamentals of Manufacturing and Automation II
- ELM110 - Basic Electricity
- ELM127 - Introduction to AC Controls
- OSH222 - General Industry Safety

## MTT-CP - Machine Tool Technology (Certificate of Achievement)

### General

#### Catalog Display Name
Machine Tool Technology (Certificate of Achievement)

#### Catalog Full Description
Students will prepare for entry into machining occupations. Learn setup and use of industrial equipment and tools utilized by machinist to manufacture parts for all types of machines. Operation of CNC (computer numerical control) lathes and mills and other hand tools preparing students for National Institute for Metalworking Skills (NIMS) exams Levels 1 and 3.

#### Simple Requirements

**Program Requirements**

**Program Requirements (20 credits)**

**Type**
Completion Requirement

Program Requirements (17 credits)

**Complete ALL of the following Courses:**

- DFT110 - Blueprint Reading for Industry
  **OR** CONS120 - Blueprint Reading and Specification
- MTT105 - Machine Shop I
- MTT106 - Machine Shop Practice I
- MTT110 - Machine Shop II
- MTT111 - Machine Shop Practice II
- MTT230 - Computer Numerical Control I

Program Electives (3 credits)

Any MTT course

**Earn at least 3 credits from the following:**

- MTT232 - Computer Numerical Control II
- MTT250 - Machine Shop III
- MTT251 - Machine Shop Practice III
- MTT260 - Machine Shop IV
- MTT261 - Machine Projects
- MTT262 - Machine Shop Practice IV
- MTT291 - Cnc Practice
- MTT295 - Work Experience
- MTT296 - Computer Numerical Control Practice II

**General Education Requirements**

**General Education Requirements (10 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

Recommend: BUS 108

*Must include a writing course*

**Earn at least 6 credits from the following:**

- CoA English/Communications

***Writing Courses:** *Business 108, English 100, 101, 102, 107 or any other 200 level English class.*

Human Relations (1 credit)

**Earn at least 1 credits from the following:**

- CoA Human Relations

Mathematics (3 credits)

Recommend: MATH 110

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

**Additional Comments:**
**Please see the Certificate of Achievement page for a list of all courses filling general education requirements.**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| MACHINE TOOL TECHNOLOGY - Certificate of Achievement | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Second Semester** | **Units** |
| DFT 110/CONS 120 | 3 | MTT 110 | 3 |
| MTT 105 | 3 | MTT 111 | 2 |
| MTT 106 | 2 | MTT 230 | 4 |
| English/Communications | 3 | English/Communications | 3 |
| Human Relations | 1 | MTT Elective | 3 |
| Mathematics | 3 | | |

## MTT3 - Computer Numerical Controls Machining (Skills Certificate)

### General

#### Catalog Display Name
Computer Numerical Controls Machining (Skills Certificate)

#### Catalog Full Description
Students will prepare for entry into machining occupations. Coursework will prepare students for various National Institute for Metalworking Skills exams.

### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (11 credits)

**Complete ALL of the following Courses:**

- MTT230 - Computer Numerical Control I
- MTT232 - Computer Numerical Control II
- MTT260 - Machine Shop IV

## MTTI - Manual Machining (Skills Certificate)

### General

#### Catalog Display Name
Manual Machining (Skills Certificate)

#### Catalog Full Description
Students will prepare for entry into machining occupations. Coursework will prepare students for various National Institute for Metalworking Skills exams.

### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (13 credits)

**Complete ALL of the following Courses:**

- DFT110 - Blueprint Reading for Industry
- MTT105 - Machine Shop I
- MTT106 - Machine Shop Practice I
- MTT110 - Machine Shop II
- MTT111 - Machine Shop Practice II

# OPM-BAS - Organization & Project Management (Bachelor of Applied Science)

## General

### Catalog Display Name
Organization & Project Management (Bachelor of Applied Science)

### Catalog Full Description
Organization leadership applies to a variety of organization types including for- and not-for-profit, small business to corporations, etc. This degree will provide students with the leadership scope and working knowledge of project management development and implementation to fill the U.S. and Northern Nevada gap while contributing to the economic development of the region.

This is an online degree, enabling individuals to advance their education while working in their field of interest.

### Mission
The mission of the Bachelor of Applied Science Degree in Organization and Project Management is to provide students with a practical, applied degree opportunity for working students with technical backgrounds.

### Program Entrance Requirements
An Associate Degree from a regionally accredited institution with an overall GPA of 2.0.

*To apply for this program, please fill out the appropriate application on the **Admission and Records Forms page**.*

### Simple Requirements

**Program Requirements**

**Program Requirements (60 credits)**

**Type**
Completion Requirement

Program Requirements (60 credits)

**Complete ALL of the following Courses:**
- ACC415 - Accounting for Management
- BUS271 - Introduction to Employment Law
- CIT263 - Introduction to IT Project Management
- CIT363 - Advanced Project and Earned Value Management
- FIN310 - Applied Accounting and Finance
- IS301 - Management Information Systems
- MGT310 - Foundations of Management Theory and Practice
- MGT320 - Organization and Project Management
- MGT323 - Orgnztional Bhvr & Interpersonal Bhvr
- MGT367 - Human Resource Management
- MGT371 - Leadership and Managerial Skills
- MGT391 - Quantitative Analysis
- MGT412 - Change Management
- MGT462 - Changing Environments
- MGT480 - International Management
- MGT482 - Leadership Capstone
- MGT487 - Entrepreneurship
- MGT496 - Strategic Management and Policy
- MGT497 - Business Plan Creation
- MKT210 - Marketing Principles

**General Education Requirements**

General Education requirements are met with the completion of an accepted associate degree except for the following NSHE general education requirements, which must be completed (prior to completion of BAS) if not met with the associate degree used for the program entrance requirement.

- Students transferring from another state are required to take classes to fulfill U.S. and Nevada Constitution requirements.
- English 102 (3 credits)
- Math (3 credits)
- Natural Science (6 credits)
- Social Sciences or Humanities/Fine Arts (9 credits)

**See Bachelor of Applied Science Degree for a list of courses to fulfill these requirements.**

**General Education Requirements (24 credits)**

**Type**
Completion Requirement

English/Communications (3 credits)

**Complete ALL of the following Courses:**
- ENG102 - Composition II

Mathematics (3 credits)

**Earn at least 3 credits from the following:**
- BAS Mathematics

Science (6 credits)

**Earn at least 6 credits from the following:**
- BAS Science

Social Science or Humanities/Fine Arts (9 credits)

**Earn at least 9 credits from the following:**
- BAS Social Sciences
- BAS Fine Arts/Humanities

U.S. and Nevada Constitution (3 credits)

**Earn at least 3 credits from the following:**
- U.S. & Nevada Constitution

**Additional Comments:**
**General Education Requirements must be completed (prior to completion of BAS) if not met with the associate degree used for the program entrance requirement.*

**General Electives**

**General Electives (36 credits)**

**Type**
Completion Requirement

General Electives (36 credits)

**Earn at least 36 credits**

**Additional Comments:**
**General Elective Requirements must be completed (prior to completion of BAS) if not met with the associate degree used for the program entrance requirement.*

### Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

#### Degree Map Narrative

| Suggested Course Sequence | | | |
|---|---|---|---|
| **Bachelor of Applied Science - Organization & Project Management** | | | |
| **First Semester (Fall)** | **Units** | **Third Semester (Fall)** | **Units** |
| FIN 310 | 3 | CIT 363 | 3 |
| MGT 310 | 3 | ACC 415 | 3 |
| MGT 320 | 3 | IS 301 | 3 |
| BUS 271 | 3 | MGT 496 | 3 |
| | | | |
| **Second Semester (Spring)** | **Units** | **Fourth Semester (Spring)** | **Units** |
| CIT 263 | 3 | MGT 371 | 3 |
| MGT 391 | 3 | MGT 412 | 3 |
| MGT 367 | 3 | MGT 497 | 3 |
| MKT 210 | 3 | MGT 462 | 3 |
| MGT 323 | 3 | MGT 482 | 3 |
| **Summer Semester** | Units | | |
| MGT 480 | 3 | | |
| MGT 487 | 3 | | |

## RCA - Construction Skills (Skills Certificate)

### General

#### Catalog Display Name
Construction Skills (Skills Certificate)

#### Catalog Full Description
This certificate builds on the Construction Gateway, teaching more advanced construction methods, understanding building codes and reading contract documents.  The required internship allows students to apply new concepts in a work environment (for those already working, this can be aligned with current job responsibilities).

## REAA - Residential Energy Auditor Advanced (Skills Certificate)

### General

#### Catalog Display Name
Residential Energy Auditor Advanced (Skills Certificate)

#### Catalog Full Description
These skills certificates will prepare students to earn Building Performance Institute (BPI) certifications required to conduct various types of residential energy audits. WNC is partnering with Everblue to offer these certificates as upskilling opportunities or through an apprenticeship structure.

For more information about enrolling in these programs, contact Deb Conrad: **deb.conrad@wnc.edu**

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (8 credits)

**Complete ALL of the following Courses:**

- ENRG160 - Building Science Principles
- ENRG161 - Building Analyst Technician
- ENRG162 - Building Analyst Professional
- ENRG165 - Professional Home Energy Auditor

## REAF - Residential Energy Auditor Foundation (Skills Certificate)

### General

#### Catalog Display Name
Residential Energy Auditor Foundation (Skills Certificate)

#### Catalog Full Description
These skills certificates will prepare students to earn Building Performance Institute (BPI) certifications required to conduct various types of residential energy audits. WNC is partnering with Everblue to offer these certificates as upskilling opportunities or through an apprenticeship structure.

For more information about enrolling in these programs, contact Deb Conrad: **deb.conrad@wnc.edu**

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (5 credits)

**Complete ALL of the following Courses:**

- ENRG160 - Building Science Principles
- ENRG161 - Building Analyst Technician
- ENRG162 - Building Analyst Professional

## REAI - Residential Energy Auditor Infiltration & Duct Leakage (Skills Certificate)

### General

#### Catalog Display Name
Residential Energy Auditor Infiltration & Duct Leakage (Skills Certificate)

#### Catalog Full Description
These skills certificates will prepare students to earn Building Performance Institute (BPI) certifications required to conduct various types of residential energy audits. WNC is partnering with Everblue to offer these certificates as upskilling opportunities or through an apprenticeship structure.

For more information about enrolling in these programs, contact Deb Conrad: **deb.conrad@wnc.edu**

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (6 credits)

**Complete ALL of the following Courses:**

- ENRG160 - Building Science Principles
- ENRG161 - Building Analyst Technician
- ENRG162 - Building Analyst Professional
- ENRG164 - Building Infiltration & Duct Leakage

## TAUT-AAS - Automotive Mechanics (Associate of Applied Science - Technology)

### General

#### Catalog Display Name
Automotive Mechanics (Associate of Applied Science - Technology)

#### Catalog Full Description
This program offers students an opportunity to acquire the necessary skills and technical theory for a successful career as an automotive mechanic. Individuals who are now employed in the automotive mechanics field will be able to upgrade their knowledge. Students obtaining this associate degree will have completed courses of a very technical nature, chosen to complement each other and provide breadth and depth of diagnostic and repair skill abilities necessary to work in a service facility.

#### Mission
The mission of the Associate of Applied Science in Automotive Mechanics is to provide employment-related knowledge and skills necessary to succeed as a professional in a chosen field of study.

#### Simple Requirements

**Program Requirements**

**Program Requirements (36 credits)**

**Type**
Completion Requirement

Program Requirements (36 credits)

**Complete ALL of the following Courses:**

- AUTO101 - Introduction to General Mechanics
- AUTO115 - Auto Electricity & Electronics I
- AUTO117 - Advanced Auto Electronics
- AUTO130 - Engine Reconditioning
- AUTO145 - Automotive Brakes
- AUTO155 - Steering & Suspension
- AUTO160 - Auto Air Conditioning and Heating
- AUTO210 - Automatic Transmissions & Transaxles I
- AUTO225 - Engine Performance I/Fuel & Ignition
- AUTO227 - Engine Performance II/Emission Control

**General Education Requirements**

**General Education Requirements (24 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

*Recommend BUS 107 & 108; Must include a writing course*

**Earn at least 6 credits from the following:**

- AAS English/Communications

**** Writing Courses** (Business 108, English 100, 101, 102, 107 or any 200 level English class)*

Human Relations (3 credits)

*Recommend: BUS 110*

**Earn at least 3 credits from the following:**

- AAS Human Relations

Humanities/Social Science (3 credits)

**Earn at least 3 credits from the following:**

- AAS Humanities/Social Sciences

Mathematics (3 credits)

*Recommend MATH 110*

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

Science (6 credits)

**Earn at least 6 credits from the following:**

- AGS & AAS Science

U.S. and Nevada Constitution (3 credits)

**Earn at least 3 credits from the following:**

- U.S. & Nevada Constitution

**Additional Comments:**
**Please see the Associate of Applied Science page for a list of all courses filling general education requirements.**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| First Semester | Units | Third Semester | Units |
|---|---|---|---|
| AUTO 101 | 3 | AUTO 155 | 4 |
| AUTO 115 | 4 | AUTO 160 | 3 |
| AUTO 130 | 3 | AUTO 227 | 4 |
| BUS 107 | 3 | Science | 3 |
| Mathematics | 3 | | |
| **Second Semester** | **Units** | **Fourth Semester** | **Units** |
| AUTO 117 | 4 | AUTO 210 | 3 |
| AUTO 145 | 4 | BUS 108 | 3 |
| AUTO 225 | 4 | BUS 110 or Human Relations | 3 |
| Humanities/Social Science | 3 | Science | 3 |
| | | U.S./NV Constitution | 3 |

# TCIT-AAS - Computer Information Technology (Associate of Applied Science - Technology)

## General

### Catalog Display Name
Computer Information Technology (Associate of Applied Science - Technology)

### Catalog Full Description
Students may earn a general degree in CIT by completing the program requirements and any combination of electives. Students who wish to specialize may choose one of the four pathways and complete the specific electives for each. The four pathway areas are Front End Developer, Back End Developer, Cybersecurity and Programming.

### Mission
The mission of the Associate of Applied Science in Technology is to provide employment-related knowledge and skills necessary to succeed as a professional in a chosen field of study.

### Simple Requirements

**Program Requirements**

**Program Requirements (36 credits)**

**Type**
Completion Requirement

Program Requirements (17 credits)

**Complete ALL of the following Courses:**

- CIT112 - Network +
- CIT114 - IT Essentials
- CIT128 - Introduction to Software Development
- CIT217 - Security +
- CIT263 - Introduction to IT Project Management

Program Electives (19 credits)

Choose 19 credits from the following:

**Earn at least 19 credits from the following:**

- INF100 - Introduction to Informatics I - Basic Concepts
- CS135 - Computer Science I
- CS202 - Computer Science II
- Any Computer Information Technology (CIT) course
- Any Information Systems (IS) courses

*Students can select program electives from at least one designated pathway based on individual student interests, career goals, etc.**

**General Education Requirements**

**General Education Requirements (24 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

*Must include a writing course*

**Earn at least 6 credits from the following:**

- AAS English/Communications

**** Writing Courses (****Business 108, English 100, 101, 102, 107 or any 200 level English class)*

Human Relations (3 credits)

**Earn at least 3 credits from the following:**

- AAS Human Relations

Humanities/Social Science (3 credits)

**Earn at least 3 credits from the following:**

- AAS Humanities/Social Sciences

Mathematics (3 credits)

*Recommended MATH 124*

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

Science (3 credits)

**Earn at least 3 credits from the following:**

- AGS & AAS Science

U.S. & Nevada Constitution (3 credits)

**Earn at least 3 credits from the following:**

- U.S. & Nevada Constitution

**Additional Comments:**
**Please see the Associate of Applied Science page for a list of all courses filling general education requirements.**

**Students should meet with an advisor or faculty member in the CIT department for assistance selecting a degree pathway.*

**Industry-Aligned Pathways**

The Computer Information Technology program prepares students for a variety of careers, certifications and degrees. Student may choose a pathway and complete specific electives for each. The four pathway areas are **Front End Developer**, **Back End Developer**, **Cybersecurity** and **Programming**. Students should meet with an advisor or faculty member in the CIT department for assistance selecting a degree pathway.

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| **COMPUTER INFORMATION TECHNOLOGY - Associate of Applied Science** | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Third Semester** | **Units** |
| CIT 112 | 4 | CIT 217 | 3 |
| CIT 114 | 3 | Program Electives | 6 |
| CIT 128 | 4 | Human Relations | 3 |
| ENG 101 | 3 | Mathematics | 3 |
| **Second Semester** | **Units** | **Fourth Semester** | **Units** |
| CIT 263 | 3 | Program Electives | 7 |
| Program Electives | 6 | Humanities/Social Science | 3 |
| ENG 102 or 107 | 3 | U.S./NV Constitution | 3 |
| Science | 3 | General Elective | 3 |

**Industry-Aligned Pathways**

The Computer Information Technology program prepares students for a variety of careers, certifications and degrees. Student may choose a pathway and complete specific electives for each. The four pathway areas are **Front End Developer**, **Back End Developer**, **Cybersecurity** and **Programming**. Students should meet with an advisor or faculty member in the CIT department for assistance selecting a degree pathway.

### Computer Information Technology - Front End Developer Pathway (AAS)

Front end developers ensure that website visitors can easily interact with the page. This program pathway will allow students to develop the combination of skills needed to code a website, including design, technology, programming and debugging.

### Required Courses

| Course | Title | Units |
|---|---|---|
| **TOTAL REQUIREMENTS** | | **62 Units** |
| **PROGRAM REQUIREMENTS** | | **41 Units** |
| **CIT 112** | Network+ | 3 |
| **CIT 114** | IT Essentials | 4 |
| **CIT 128** | Introduction to Software Development | 4 |
| **CIT 217** | Security+ | 3 |
| **CIT 263** | Introduction to IT Project Management | 3 |
| **Front End Developer Pathway requirements:** | | |
| **CIT 151** | Beginning Web Development | 3 |
| **CIT 152** | Web Script Language Programming | 3 |
| **CIT 251** | Advanced Web Development | 3 |
| **CIT 130**<br>**or CIT 148** | Beginning Java<br>Beginning Python Programming | 3 |
| **INF 100** | Introduction to Informatics – Basic Concepts | 3 |
| **CIT 180** | Database Concepts and SQL | 3 |
| **Program Elective – *choose 6 units from the following:*** | | |
| **CIT 134** | Beginning C# Programming | 3 |
| **CIT 230**<br>**or CIT 248** | Advanced Java<br>Advanced Python Programming | 3 |
| **GENERAL EDUCATION REQUIREMENTS** | | **21** |
| English/Communications: *Must include a writing course* | | 6 |
| Human Relations Requirement | | 3 |
| Humanities/Social Science Requirement | | 3 |
| Mathematics Requirement: *Recommended MATH 124* | | 3 |
| Science Requirement | | 3 |
| U.S. Nevada Constitution Requirement | | 3 |
| **Please see the Associate of Applied Science page for a list of all courses filling general education requirements.** | | |

### Suggested Course Sequence

| **COMPUTER INFORMATION TECHNOLOGY - Front End Developer Pathway - Associate of Applied Science** | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Third Semester** | **Units** |
| CIT 114 | 4 | CIT 112 | 3 |
| CIT 128 | 4 | CIT 134 | 3 |
| ENG 101 | 3 | CIT 180 | 3 |
| Mathematics | 3 | CIT 217 | 3 |
| Human Relations | 3 | ENG 102 or 107 | 3 |
| **Second Semester** | **Units** | **Fourth Semester** | **Units** |
| CIT 130 or 148 | 3 | CIT 230 or 248 | 3 |
| CIT 151 | 3 | CIT 251 | 3 |
| CIT 152 | 3 | CIT 263 | 3 |
| INF 100 | 3 | Humanities/Social Science | 3 |
| Science | 3 | U.S./NV Constitution | 3 |

### Computer Information Technology - Back End Developer Pathway (AAS)

Back-end developers build and maintain the mechanisms that process data and perform the unseen actions on websites. This program pathway will allow students to develop critical skills in data storage, security and various server-side functions.

### Required Courses

| | | |
|---|---|---|
| **TOTAL REQUIREMENTS** | | **64 Units** |
| **PROGRAM REQUIREMENTS** | | **43 Units** |
| **CIT 112** | Network+ | 3 |
| **CIT 114** | IT Essentials | 4 |
| **CIT 128** | Introduction to Software Development | 4 |
| **CIT 217** | Security+ | 3 |
| **CIT 263** | Introduction to IT Project Management | 3 |
| **Back End Developer pathway requirements:** | | |
| **CIT 220** | Routing and Switching | 4 |
| **CIT 270** | Network Tools | 4 |
| **CIT 130** | Beginning Java | 3 |
| **CIT 148** | Beginning Python Programming | 3 |
| **CIT 230**<br>**or CIT 248** | Advanced Java<br>Advanced Python Programming | 3 |
| **Program Elective – System Administration** - *choose 6 units from the following:* | | 6 |
| CIT 173 | Introduction to Linux | |
| CIT 211 | Microsoft Operating System Management | |
| CIT 212 | Microsoft Networking II | |
| CIT 214 | Microsoft Azure Administration | |
| **Program Elective – Database** - ***choose 3 units from the following:*** | | 3 |
| CIT 180 | Database Concepts and SQL | |
| INF 100 | Introduction to Informatics | |
| **GENERAL EDUCATION REQUIREMENTS** | | **21** |
| English/Communications Requirement: *Must include a writing course* | | 6 |
| Human Relations Requirement | | 3 |
| Humanities/Social Science Requirement | | 3 |
| Mathematics Requirement: *Recommended MATH 124* | | 3 |
| Science Requirement | | 3 |
| U.S. Nevada Constitution Requirement | | 3 |
| **Please see the Associate of Applied Science page for a list of all courses filling general education requirements.** | | |

### Suggested Course Sequence

| **COMPUTER INFORMATION TECHNOLOGY - Back End Developer Pathway - Associate of Applied Science** | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Third Semester** | **Units** |
| CIT 114 | 4 | CIT 112 | 3 |
| CIT 128 | 4 | CIT 148 | 3 |
| ENG 101 | 3 | CIT 180 | 3 |
| Human Relations | 3 | CIT 217 | 3 |
| Mathematics | 3 | ENG 102 or 107 | 3 |
| **Second Semester** | **Units** | **Fourth Semester** | **Units** |
| CIT 130 | 3 | CIT 212 | 3 |
| CIT 211 | 3 | CIT 230 or 248 | 3 |
| CIT 220 | 4 | CIT 263 | 3 |
| Humanities/Social Science | 3 | CIT 270 | 4 |
| Science | 3 | U.S./NV Constitution | 3 |

### Computer Information Technology - Cybersecurity Pathway (AAS)

Specialists in cybersecurity plan and execute security measures to shield computer systems, networks and networked devices from external threats, infiltration and cyberattacks. Students earning this program pathway will understand how to prevent, monitor, and respond to data breaches and cyberattacks.

### Required Courses

| | | |
|---|---|---|
| **TOTAL REQUIREMENTS** | | **61 Units** |
| **PROGRAM REQUIREMENTS** | | **40 Units** |
| CIT 112 | Network+ | 3 |
| CIT 114 | IT Essentials | 4 |
| CIT 128 | Introduction to Software Development | 4 |
| CIT 217 | Security+ | 3 |
| CIT 263 | Introduction to IT Project Management | 3 |
| **Cybersecurity pathway requirements:** | | |
| CIT 220 | Routing and Switching | 4 |
| CIT 270 | Network Tools | 4 |
| CIT 273 | Network Defense | 3 |
| CIT 274 | Ethical Hacking | 3 |
| CIT 275 | Hacking Forensics Investigation | 3 |
| **Program Elective – System Administration - *choose 6 units from the following*:** | | 6 |
| CIT 211 | Microsoft Operating System Management | |
| CIT 212 | Microsoft Networking II | |
| CIT 214 | Microsoft Azure Administration | |
| CIT 173 | Introduction to Linux | |
| **GENERAL EDUCATION REQUIREMENTS** | | **21 Units** |
| English/Communications Requirement: *Must include a writing course* | | 6 |
| Human Relations Requirement | | 3 |
| Humanities/Social Science Requirement | | 3 |
| Mathematics Requirement: *Recommended MATH 124* | | 3 |
| Science Requirement | | 3 |
| U.S. & Nevada Constitutions Requirement | | 3 |

**Please see the Associate of Applied Science page for a list of all courses filling general education requirements.**

### Suggested Course Sequence

| **COMPUTER INFORMATION TECHNOLOGY - Cybersecurity Pathway - Associate of Applied Science** | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Third Semester** | **Units** |
| CIT 114 | 4 | CIT 112 | 3 |
| CIT 128 | 4 | CIT 212 | 3 |
| ENG 101 | 3 | CIT 217 | 3 |
| Human Relations | 3 | ENG 102 or 107 | 3 |
| Mathematics | 3 | | |
| **Second Semester** | **Units** | **Fourth Semester** | **Units** |
| CIT 173 | 3 | CIT 263 | 3 |
| CIT 220 | 4 | CIT 270 | 4 |
| CIT 273 | 3 | CIT 275 | 3 |
| CIT 274 | 3 | Humanities/Social Science | 3 |
| Science | 3 | U.S./NV Constitution | 3 |

### Computer Information Technology - Programming Pathway (AAS)

Programmers play an important role in writing code for computer programs and applications that improve efficiencies. As well, programmers are involved in maintaining, debugging and troubleshooting systems and software to ensure smooth operations.

**Required Courses**

| | | |
|---|---|---|
| **TOTAL REQUIREMENTS** | | **62 Units** |
| **PROGRAM REQUIREMENTS** | | **41 Units** |
| CIT 112 | Network+ | 3 |
| CIT 114 | IT Essentials | 4 |
| CIT 128 | Introduction to Software Development | 4 |
| CIT 217 | Security+ | 3 |
| CIT 263 | Introduction to IT Project Management | 3 |
| **Programming pathway requirements:** | | |
| CIT 130 | Beginning Java | 3 |
| CIT 148 | Beginning Python Programming | 3 |
| **Program Elective – Programming - *choose 3 units from the following*:** | | 3 |
| CIT 134 | Beginning C# Programming | |
| CS 135 | Computer Science I | |
| CIT 230 | Advanced Java | |
| CIT 248 | Advanced Python Programming | |
| **Program Elective – Web Development - *choose 3 units from the following:*** | | 3 |
| CIT 151 | Beginning Web Development | |
| CIT 152 | Web Script Language Programming | |
| CIT 251 | Advanced Web Development | |
| **Program Elective – Database – *choose 3 units from the following:*** | | 3 |
| CIT 180 | Database Concepts and SQL | |
| INF 100 | Introduction to Informatics I – Basic Concepts | |
| **Program Elective – Specialty – *choose 6 units from the following:*** | | 6 |
| CIT 280 | Introduction to Blockchain Concepts | |
| CIT 281 | Intermediate Blockchain Concepts | |
| CIT 284 | Unity Programming I | |
| CIT 285 | Unity Programming II | |
| **Department Elective** –<br>Any Computer Information Technology (CIT) course | | 3 |
| **GENERAL EDUCATION REQUIREMENTS** | | **21 Units** |
| English/Communications Requirement: *Must include a writing course* | | 6 |
| Human Relations Requirement | | 3 |

| | |
|---|---|
| Humanities/Social Science Requirement | 3 |
| Mathematics Requirement: *Recommended MATH 124* | 3 |
| Science Requirement | 3 |
| U.S. Nevada Constitution Requirement | 3 |
| **Please see the Associate of Applied Science page for a list of all courses filling general education requirements.** | |

**Suggested Course Sequence**

| **COMPUTER INFORMATION TECHNOLOGY -Programming Pathway - Associate of Applied Science** | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Third Semester** | **Units** |
| CIT 114 | 4 | CIT 112 | 3 |
| CIT 128 | 4 | CIT 148 | 3 |
| ENG 101 | 3 | CIT 217 | 3 |
| Human Relations | 3 | ENG 102 or 107 | 3 |
| Mathematics | 3 | Humanities/Social Science | 3 |
| **Second Semester** | **Units** | **Fourth Semester** | **Units** |
| CIT 130 | 3 | CIT 180 | 3 |
| CIT 134 | 3 | CIT 263 | 3 |
| CIT 151 | 3 | CIT 285 | 3 |
| CIT 284 | 3 | Program Elective | 3 |
| Science | 3 | U.S./NV Constitution | 3 |

# TCON-AAS - Construction (Associate of Applied Science - Technology)

## General

### Catalog Display Name
Construction (Associate of Applied Science - Technology)

### Catalog Full Description
WNC's Construction program provides industry-specific training that addresses topics of critical importance to subcontractors, general contractors, superintendents and project managers. Students will study contract administration, coordination, negotiation, quality control and the management of labor resources, equipment and materials.

This degree allows those who have completed an associate degree in construction technology to progress academically and earn a bachelors degree.

### Mission
The mission of the Associate of Applied Science in Technology is to provide employment-related knowledge and skills necessary to succeed as a professional in a chosen field of study.

### Simple Requirements

**Program Requirements**

**Program Requirements (36 credits)**

**Type**
Completion Requirement

Program Requirements (36 credits)

**Complete ALL of the following Courses:**

- CADD100 - Introduction to Computer Aided Drafting
- CEM100 - Fundamentals of Construction Management
- CONS108 - Construction Materials and Methods I
- CONS109 - Construction Materials and Methods II
- CONS111 - Commercial Building Codes
- CONS118 - Construction Contract Documents
- CONS120 - Blueprint Reading and Specification
- CONS121 - Principles Of Construction Estimating
- CONS205 - Construction Site Safety
- CONS281 - Construction Planning Scheduling and Control
- CONS290 - Internship in Construction
- SUR119 - Construction Surveying

**General Education Requirements**

**General Education Requirements (24 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

**Earn at least 6 credits from the following:**

- AAS English/Communications

*Recommend: BUS 107, BUS 108; or ENG 101*, ENG 102*; Must include a writing course***.*

*Recommended for students who plan to transfer and enroll in a bachelor's degree program.

***** ***Writing Courses (****Business 108, English 100, 101, 102, 107 or any 200 level English class)*

Human Relations (3 credits)

**Earn at least 3 credits from the following:**

- AAS Human Relations

*Recommend: BUS 110*

Humanities/Social Science (3 credits)

**Earn at least 3 credits from the following:**

- AAS Humanities/Social Sciences

Mathematics (3 credits)

Math 126 or higher

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

Science (3 credits)

**Earn at least 3 credits from the following:**

- AGS & AAS Science

U.S. and Nevada Constitution (3 credits)

**Complete ANY of the following Course Sets:**

- U.S. & Nevada Constitution

General Elective (3 credits)

**Earn at least 3 credits**

**Additional Comments:**
**Please see the Associate of Applied Science page for a list of all courses filling general education requirements.**

| **CONSTRUCTION - Associate of Applied Science** | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Third Semester** | **Units** |
| CEM 100 | 3 | CADD 100 | 3 |
| CONS 108 | 4 | CONS 111 | 3 |
| ENG 101 | 3 | CONS 121 | 2 |
| Mathematics 126 or higher | 3 | Humanities/Social Science | 3 |
| Science | 3 | General Elective | 3 |
| **Second Semester** | **Units** | **Fourth Semester** | **Units** |
| CONS 109 | 4 | CONS 205 | 3 |
| CONS 118 | 3 | CONS 281 | 2 |
| CONS 120 | 3 | CONS 290 | 3 |
| ENG 102 | 3 | SUR 119 | 3 |
| Human Relations | 3 | U.S./NV Constitution | 3 |

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

# TCON-CP - Construction (Certificate of Achievement)

## General

### Catalog Display Name
Construction (Certificate of Achievement)

### Catalog Full Description
This certificate program prepares students for careers in the construction industry, from entry level to management/supervision opportunities. Students completing this certificate will be ready to advance to management careers that include foreman, site supervisor, planner, scheduler, estimator and more.

### Simple Requirements

**Program Requirements**

**Program Requirements (21 credits)**

**Type**
Completion Requirement

Program Requirements (21 credits)

**Complete ALL of the following Courses:**

- CEM100 - Fundamentals of Construction Management
- CONS108 - Construction Materials and Methods I
- CONS109 - Construction Materials and Methods II
- CONS111 - Commercial Building Codes
- CONS118 - Construction Contract Documents
- CONS120 - Blueprint Reading and Specification
- CONS205 - Construction Site Safety

**General Education Requirements**

**General Education Requirements (10-12 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

*Must include writing course*

**Earn at least 6 credits from the following:**

- CoA English/Communications

***Writing Courses:** *Business 108, English 100, 101, 102, 107 or any other 200 level English class.*

Mathematics (3 credits)

*MATH 110 or higher*

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

Human Relations (1-3 credits)

**Earn at least 1 credits from the following:**

- CoA Human Relations

**Additional Comments:**
**Please see the Certificate of Achievement page for a list of all courses filling general education requirements.**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| First Semester | Units | Second Semester | Units |
|---|---|---|---|
| CEM 100 | 3 | CONS 109 | 4 |
| CONS 108 | 4 | CONS 111 | 3 |
| CONS 205 | 2 | CONS 118 | 2 |
| English/Communications | 3 | CONS 120 | 3 |
| Mathematics | 3 | English/Communications | 3 |
| | | Human Relations | 1-3 |

# TMCT-AAS - Mechatronics and Electronics (Associate of Applied Science - Technology)

## General

### Catalog Display Name
Mechatronics and Electronics (Associate of Applied Science - Technology)

### Catalog Full Description
The Mechatronics and Electronics degree develops knowledge and skills needed for career progression in an automated Advanced Manufacturing environment where the integration of computers and electronic technologies control industrial systems and machines.

### Simple Requirements

**Program Requirements**

**Program Requirements (36 credits)**

**Type**
Completion Requirement

Program Requirements (28 credits)

**Complete ALL of the following Courses:**
- ELM110 - Basic Electricity
- ELM112 - Electrical Theory, DC
- ELM127 - Introduction to AC Controls
- ELM129 - Electric Motors & Drives
- ELM134 - Programmable Logic Controllers I
- ELM140 - Industrial Robotics
- MPT111 - Fundamentals of Manufacturing and Automation I
- MPT112 - Fundamentals of Manufacturing and Automation II
- MPT160 - Mechanical Drive Systems I
- OSH222 - General Industry Safety

Choose 8 units from the following program electives:

Any AIT, CADD, DFT, ELM, ENGR, ENRG, ET, MPT, MT, or MTT course.

**Earn at least 8 credits**

**General Education Requirements**

**General Education Requirements (24 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

Must include a writing course.

**Earn at least 6 credits from the following:**
- AAS English/Communications

***Writing Courses (****Business 108, English 100, 101, 102, 107 or any 200 level English class)*

Human Relations (3 credits)

**Earn at least 3 credits from the following:**
- AAS Human Relations

Humanities/Social Science (3 credits)

**Earn at least 3 credits from the following:**
- AAS Humanities/Social Sciences

Mathematics (3 credits)

Recommended: MATH 126

**Earn at least 3 credits from the following:**
- CoA & AAS Mathematics

Science (3 credits)

**Earn at least 3 credits from the following:**
- AGS & AAS Science

U.S. and Nevada Constitution (3 credits)

**Earn at least 3 credits from the following:**
- U.S. & Nevada Constitution

General Elective (3 credits)

**Earn at least 3 credits**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| First Semester | Units | Third Semester | Units |
|---|---|---|---|
| ELM 110 | 3 | ELM 129 | 3 |
| ELM 112 | 3 | ELM 134 | 3 |
| MPT 111 | 3 | Program Electives | 4 |
| OSH 222 | 1 | English/Communications | 3 |
| Mathematics | 3 | U.S./NV Constitution | 3 |
| **Second Semester** | **Units** | **Fourth Semester** | **Units** |
| ELM 127 | 3 | ELM 140 | 3 |
| MPT 112 | 3 | MPT 160 | 3 |
| Program Elective | 4 | General Electives | 3 |
| English/Communications | 3 | Science | 3 |
| Human Relations | 3 | Social Science/Humanities | 3 |

# TMTT-AAS - Machine Tool Technology (Associate of Applied Science - Technology)

## General

### Catalog Display Name
Machine Tool Technology (Associate of Applied Science - Technology)

### Mission
The mission of the Associate of Applied Science in Technology is to provide employment-related knowledge and skills necessary as a professional in a chosen field of study.

### Simple Requirements

**Program Requirements**

**Program Requirements (36 credits)**

**Type**
Completion Requirement

Program Requirements (29 credits)

**Complete ALL of the following Courses:**
- DFT110 - Blueprint Reading for Industry
- MTT105 - Machine Shop I
- MTT106 - Machine Shop Practice I
- MTT110 - Machine Shop II
- MTT111 - Machine Shop Practice II
- MTT230 - Computer Numerical Control I
- MTT232 - Computer Numerical Control II
- MTT250 - Machine Shop III
- MTT251 - Machine Shop Practice III
- MTT260 - Machine Shop IV

Program Electives (7 credits)

**Earn at least 7 credits from the following:**
- AIT101 - Fundamentals Of Applied Industrial Technology
- MTT261 - Machine Projects
- MTT262 - Machine Shop Practice IV
- MTT295 - Work Experience
- Any MTT Courses
- Related WELD or other technical/trade course

**General Education Requirements**

**General Education Requirements (24 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

**Earn at least 6 credits from the following:**
- AAS English/Communications

*Recommended BUS 107; Must include a writing course.*

***Writing Courses (****Business 108, English 100, 101, 102, 107 or any 200 level English class)*

Human Relations (3 credits)

**Earn at least 3 credits from the following:**
- AAS Human Relations

Recommended: BUS 110

Humanities/Social Science (3 credits)

**Earn at least 3 credits from the following:**
- AAS Humanities/Social Sciences

Mathematics (3 credits)

**Earn at least 3 credits from the following:**
- CoA & AAS Mathematics

Recommended: MATH 110

Science (3 credits)

**Earn at least 3 credits from the following:**
- AGS & AAS Science

U.S. & Nevada Constitution (3 credits)

**Earn at least 3 credits from the following:**
- U.S. & Nevada Constitution

General Elective (3 credits)

**Earn at least 3 credits**

**Additional Comments:**
**Please see the Associate of Applied Science page for a list of all courses fulfilling general education requirements.**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| MACHINE TOOL TECHNOLOGY - Associate of Applied Science | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Third Semester** | **Units** |
| MTT 105 | 3 | MTT 230 | 4 |
| MTT 106 | 2 | MTT 250 | 3 |
| English/Communications (*BUS 107 Recommended*) | 3 | MTT 251 | 2 |
| Human Relations | 3 | Program Elective | Units vary |
| Science | 3 | Humanities/Social Science | 3 |
| **Second Semester** | **Units** | **Fourth Semester** | **Units** |
| DFT 110 | 3 | MTT 232 | 4 |
| MTT 110 | 3 | MTT 260 | 3 |
| MTT 111 | 2 | Program Elective | Units vary |
| English/Communications | 3 | U.S./NV Constitution | 3 |
| Mathematics | 3 | General Elective | 3 |

# TWLD-AAS - Welding (Associate of Applied Science - Technology)

## General

### Catalog Display Name
Welding (Associate of Applied Science - Technology)

### Catalog Full Description
This program provides opportunities to practice and prepare for welding certification exams and allows students to explore other industrial skills that are used in a variety of occupations and businesses.

### Mission
The mission of the Associate of Applied Science in Technology is to provide employment-related knowledge and skills necessary as a professional in a chosen field of study.

### Simple Requirements

**Program Requirements**

**Program Requirements (36 credits)**

**Type**
Completion Requirement

Program Requirements (24 credits)

**Complete ALL of the following Courses:**

- DFT110 - Blueprint Reading for Industry
- WELD211 - Welding I
- WELD212 - Welding I Practice
- WELD221 - Welding II
- WELD222 - Welding II Practice
- WELD231 - Welding III
- WELD232 - Welding III Practice
- WELD241 - Welding IV
- WELD242 - Welding IV Practice
- WELD250 - Welding Certification Preparation

Program Electives (12 credits)

**Earn at least 12 credits from the following:**

- AIT101 - Fundamentals Of Applied Industrial Technology
- ET131 - Dc for Electronics
- ELM143 - Wiring Techniques
- MTT105 - Machine Shop I
- MTT106 - Machine Shop Practice I
- WELD224 - Welding Projects
- WELD250 - Welding Certification Preparation
- WELD290 - Internship in Welding
- Related WELD courses

**General Education Requirements**

**General Education Requirements (24 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

**Earn at least 6 credits from the following:**

- AAS English/Communications

*Recommend: Bus 107; Must include a writing course*

***Writing Courses (****Business 108, English 100, 101, 102, 107 or any 200 level English class)*

Human Relations (3 credits)

**Earn at least 3 credits from the following:**

- AAS Human Relations

*Recommend: BUS 110*

Humanities/Social Science (3 credits)

**Earn at least 3 credits from the following:**

- AAS Humanities/Social Sciences

Mathematics (3 credits)

**Earn at least 3 credits from the following:**

- CoA & AAS Mathematics

*Recommend: MATH 110*

Science (3 credits)

**Earn at least 3 credits from the following:**

- AGS & AAS Science

U.S. & Nevada Constitution (3 credits)

**Earn at least 3 credits from the following:**

- U.S. & Nevada Constitution

General Elective (3 credits)

**Earn at least 3 credits**

**Additional Comments:**
**Please see the Associate of Applied Science page for a list of all courses fulfilling general education requirements.**

| **WELDING - Associate of Applied Science** | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Third Semester** | **Units** |
| WELD 211 | 3 | WELD 231 | 3 |
| WELD 212 | 2 | WELD 232 | 2 |
| English/Communications (*BUS 107 Recommended*) | 3 | Program Elective | 3-5 |
| Human Relations | 3 | Humanities/Social Science | 3 |
| Science | 3 | General Elective | 3 |
| **Second Semester** | **Units** | **Fourth Semester** | **Units** |
| DFT 110 | 3 | WELD 241 | 3 |
| WELD 221 | 3 | WELD 242 | 2 |
| WELD 222 | 2 | WELD 250 | 4 |
| Program Elective | 1-3 | Program Elective | 3-5 |
| English/Communication | 3 | U.S./NV Constitution | 3 |
| Mathematics | 3 | | |

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

# WLD-CP - Welding Technology (Certificate of Achievement)

## General

### Catalog Display Name
Welding Technology (Certificate of Achievement)

### Catalog Full Description
Provides students with opportunities to practice and prepare for welding certification examinations and the knowledge and skills for employment in welding and related careers.

### Simple Requirements

**Program Requirements**

**Program Requirements (18 credits)**

**Type**
Completion Requirement

Program Requirements (16 credits)

**Complete ALL of the following Courses:**
- DFT110 - Blueprint Reading for Industry
- WELD211 - Welding I
- WELD212 - Welding I Practice
- WELD221 - Welding II
- WELD222 - Welding II Practice
- WELD250 - Welding Certification Preparation

Must complete at least 3 credits of WELD 250

Welding Electives (2 credits)

Any WELD course

**Earn at least 2 credits from the following:**
- WELD224 - Welding Projects
- WELD231 - Welding III
- WELD232 - Welding III Practice
- WELD241 - Welding IV
- WELD242 - Welding IV Practice
- WELD250 - Welding Certification Preparation
- WELD290 - Internship in Welding

**General Education Requirements**

**General Education Requirements (12 credits)**

**Type**
Completion Requirement

English/Communications (6 credits)

Must include a writing course

**Earn at least 6 credits from the following:**
- CoA English/Communications

***Writing Courses:** *Business 108, English 100, 101, 102, 107 or any other 200 level English class.*

Human Relations (3 credits)

Recommend: BUS 110

**Earn at least 3 credits from the following:**
- CoA Human Relations

Mathematics (3 credits)

**Earn at least 3 credits from the following:**
- CoA & AAS Mathematics

**Additional Comments:**
**Please see the Certificate of Achievement page for a list of all courses filling general education requirements.**

## Suggested Course Sequence

**Degree Map Name**
Suggested Course Sequence

### Degree Map Narrative

**Suggested Course Sequence**

| WELDING TECHNOLOGY - Certificate of Achievement | | | |
|---|---|---|---|
| **First Semester** | **Units** | **Second Semester** | **Units** |
| WELD 211 | 3 | DFT 110 | 3 |
| WELD 212 | 2 | WELD 221 | 3 |
| English/Communications | 3 | WELD 222 | 2 |
| Human Relations | 3 | WELD 250 | 3 |
| Mathematics | 3 | Program Elective | 2 |
| | | English/Communications | 3 |

## WLDFG - Welding - Fluxed-Core Welding and Gas Tungston Arc-Welding (Skills Certificate)

### General

#### Catalog Display Name
Welding - Fluxed-Core Welding and Gas Tungston Arc-Welding (Skills Certificate)

#### Catalog Full Description
Students are introduced to the many welding certifications available by meeting the standards of the American Welding Society codes. This includes instruction on code certification required by the American Petroleum Institute and the American Society of Mechanical Engineers.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (10 credits)

**Complete ALL of the following Courses:**

- WELD231 - Welding III
- WELD232 - Welding III Practice
- WELD241 - Welding IV
- WELD242 - Welding IV Practice

## WLDSG - Welding - Shielded Metal Arc-Welding and Gas Metal Arc-Welding (Skills Certificate)

### General

#### Catalog Display Name
Welding - Shielded Metal Arc-Welding and Gas Metal Arc-Welding (Skills Certificate)

#### Catalog Full Description
Students are introduced to the many welding certifications available by meeting the standards of the American Welding Society codes. This includes instruction on code certification required by the American Petroleum Institute and the American Society of Mechanical Engineers.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (10 credits)

**Complete ALL of the following Courses:**

- WELD211 - Welding I
- WELD212 - Welding I Practice
- WELD221 - Welding II
- WELD222 - Welding II Practice

## WP - Welding Preparation Certificate (Skills Certificate)

### General

#### Catalog Display Name
Welding Preparation Certificate (Skills Certificate)

#### Catalog Full Description
Students are introduced to the many welding certifications available by meeting the standards of the American Welding Society codes. This includes instruction on code certification required by the American Petroleum Institute and the American Society of Mechanical Engineers.

#### Simple Requirements

**Program Requirements**

**Program Requirements**

**Type**
Completion Requirement

Required Courses (9 credits)

**Earn at least 9 credits from the following:**

- WELD250 - Welding Certification Preparation

# Courses

## AC102 - Refrigeration Theory

### General

**Subject code**
AC

**Catalog Number**
102

**Long Description (Catalog Description)**
Prerequisites: None
Introduction to the fundamental principles of mechanical refrigeration. Designed for those pursuing a career in servicing, repairing and/or installing refrigeration and air conditioning equipment as well as building maintenance.

### Units

**Min Units:**
3

**Max Units:**
3

## AC106 - Residential Gas Heating

### General

**Subject code**
AC

**Catalog Number**
106

**Long Description (Catalog Description)**
Prerequisites: AC 102, AC 107
Application of principles and skills in the troubleshooting, repair and maintenance of air conditioning, heating and ventilation equipment. Topics covered are the refrigeration cycle, gas furnace, oil furnace, heat pump, chilled water systems, hot water systems and cooling.

### Units

**Min Units:**
6

**Max Units:**
6

## AC107 - Electrical and Controls for HVAC

### General

**Subject code**
AC

**Catalog Number**
107

**Long Description (Catalog Description)**
Prerequisites: None
Familiarizes students with electrical applications and controls used in HVAC/R. Topics include basic electricity, wiring, schematics and controls found in heating, ventilation, air conditioning and refrigeration.

### Units

**Min Units:**
6

**Max Units:**
6

## AC113 - Schematic Reading for HVAC/R

### General

**Subject code**
AC

**Catalog Number**
113

**Long Description (Catalog Description)**
Prerequisites: None
Application of principles and skills in reading schematics seen in HVAC/R. Followed by the operation of air conditioning, heating and Refrigeration equipment. Topics covered are the cooling cycle, gas furnaces, Ice-Machines and Refrigeration systems both residential and commercial.

### Units

**Min Units:**
3

**Max Units:**
3

## AC150 - Basic Refrigeration Servicing

### General

**Subject code**
AC

**Catalog Number**
150

**Long Description (Catalog Description)**
Prerequisites: AC 102, AC 107
Designed for those interested in entering the refrigeration service, installation or building maintenance fields. Orientated toward development of basic skills required in troubleshooting, repair and maintenance of refrigeration systems. Topics covered are soldering, silver soldering, service and troubleshooting tools and systems construction.

### Units

**Min Units:**
6

**Max Units:**
6

## AC198 - Special Topics in Hvac

### General

**Subject code**
AC

**Catalog Number**
198

**Long Description (Catalog Description)**
Various short courses and experimental classes covering a variety of subjects. Offered from one-half to six credits depending on the course content and number of hours required. May be repeated up to six credits.

### Units

**Min Units:**
0.5

**Max Units:**
6

## ACC105 - Taxation for Individuals

### General

**Subject code**
ACC

**Catalog Number**
105

**Long Description (Catalog Description)**
Covers income, expenses, exclusions, deductions, and credits. Emphasizes the preparation of individual income tax.

### Units

**Min Units:**
1

**Max Units:**
3

## ACC135 - Bookkeeping I

### General

**Subject code**
ACC

**Catalog Number**
135

**Long Description (Catalog Description)**
Introduces the basic principles of bookkeeping and applied accounting for a business enterprise with special emphasis on accounting for sole proprietorships, service and merchandising companies. Includes debits and credits, the accounting cycle, journals, ledgers, bank reconciliations, payroll, and the preparation of simple financial statements. May include a computerized component.

### Units

**Min Units:**
3

**Max Units:**
3

## ACC180 - Payroll & Employee Benefit Accounting

### General

**Subject code**
ACC

**Catalog Number**
180

**Long Description (Catalog Description)**
Prerequisites: ACC135,ACC201 or equivalent work experience
Introduces payroll and employee benefit reporting to federal state, and local government agencies. Includes an overview of federal and state labor laws and specialized reporting requirements including both manual and computerized payroll accounting systems.

### Units

**Min Units:**
3

**Max Units:**
3

## ACC198 - Special Topics in Accounting

### General

**Subject code**
ACC

**Catalog Number**
198

**Long Description (Catalog Description)**
Applies to a variety of topics including short courses and workshops covering a variety of subjects in accounting.

### Units

**Min Units:**
1

**Max Units:**
3

## ACC201 - Financial Accounting

### General

**Subject code**
ACC

**Catalog Number**
201

**Long Description (Catalog Description)**
Recommended prerequisite: ACC 135
Introduces the basic principles of financial accounting for business enterprises with special emphasis on accounting for corporations. Includes theory of debit and credit, accounting cycle, special journals, receivables, depreciation, inventory, long-term debt, corporate capital, and preparation of basic financial statements.

### Units

**Min Units:**
3

**Max Units:**
3

## ACC202 - Managerial Accounting

### General

**Subject code**
ACC

**Catalog Number**
202

**Long Description (Catalog Description)**
Prerequisites: ACC 201 with a grade of C or better
Introduces the basic principles of management accounting including manufacturing and cost accounting, budgeting, accounting for management decision-making, and financial statement analysis.

### Units

**Min Units:**
3

**Max Units:**
3

## ACC203 - Intermediate Accounting I

### General

**Subject code**
ACC

**Catalog Number**
203

**Long Description (Catalog Description)**
Prerequisites: ACC 201 with a grade of C or better
Emphasizes accounting theory, concepts and analysis of problems that arise in applying these concepts. Course covers in depth the traditional topics as well as recent developments in accounting valuation, accounting for cash, receivables, prepaid and accrued items, plant and equipment.

### Units

**Min Units:**
3

**Max Units:**
3

## ACC204 - Intermediate Accounting II

### General

**Subject code**
ACC

**Catalog Number**
204

**Long Description (Catalog Description)**
Prerequisites: ACC203
Emphasizes accounting theory and concepts in corporate accounting. Areas of focus will include stockholder's equity, investments in securities and funds, financial reporting, and analysis of financial statements.

### Units

**Min Units:**
3

**Max Units:**
3

## ACC220 - Microcomputer Accounting Systems

### General

**Subject code**
ACC

**Catalog Number**
220

**Long Description (Catalog Description)**
Prerequisites: ACC201
Integrates the principles of accounting and the concepts of data processing. Students will become familiar with computerized accounting systems which are realistic examples of systems used in business today.

### Units

**Min Units:**
3

**Max Units:**
3

## ACC223 - Introduction to Quickbooks

### General

**Subject code**
ACC

**Catalog Number**
223

**Long Description (Catalog Description)**
Prerequisites: ACC135 or consent of instructor
Introduces students to QuickBooks accounting program and computerized accounting. The student will receive hands-on training in the use of QuickBooks using fictitious case studies.

### Units

**Min Units:**
3

**Max Units:**
3

## ACC261 - Governmental Accounting

### General

**Subject code**
ACC

**Catalog Number**
261

**Long Description (Catalog Description)**
Prerequisites: ACC201
Introduces accounting and reporting for government and non-profit entities. Includes study of fund and budget accounts of local governmental units, revenues, appropriations, disbursements and assessments.

### Units

**Min Units:**
3

**Max Units:**
3

## ACC290 - Certified Bookkeeper Course

### General

**Subject code**
ACC

**Catalog Number**
290

**Long Description (Catalog Description)**
Prerequisites: ACC201 with a grade of C or better, or by demonstrating a thorough knowledge of double-entry accounting
Offers skills for working professionals and students who wish to advance their career in the bookkeeping profession. Upon successful completion, students will be able to sit for a national exam administered by the American Institute of Professional Bookkeepers (AIPB). Upon passing this exam and completing two years of bookkeeping experience, individuals earn the right to call themselves "Certified Bookkeepers."

### Units

**Min Units:**
6

**Max Units:**
6

## ACC295 - Work Experience I

### General

**Subject code**
ACC

**Catalog Number**
295

**Long Description (Catalog Description)**
Prerequisites: consent of instructor
Provides on-the-job supervised and educationally directed work experience.

**Units**

**Min Units:**
1

**Max Units:**
6

## ACC299 - Advanced Special Topics in Accounting

### General

**Subject code**
ACC

**Catalog Number**
299

**Long Description (Catalog Description)**
Prerequisites: ACC 201 or ACC 202 or consent of instructor
Applies to a variety of advanced topics including short courses and workshops covering a variety of subjects in accounting.

**Units**

**Min Units:**
1

**Max Units:**
3

## ACC415 - Accounting for Management

### General

**Subject code**
ACC

**Catalog Number**
415

**Long Description (Catalog Description)**
Prerequisites: Admissions to the Bachelor of Applied Science degree program.; Advanced management accounting topics including planning and budgeting for profit, decentralization and transfer pricing, joint costing, process costing, and performance measurement.

**Units**

**Min Units:**
3

**Max Units:**
3

## AGSC100 - Elements of Livestock Production

### General

**Subject code**
AGSC

**Catalog Number**
100

**Long Description (Catalog Description)**
Covers fundamental concepts in care, management, and economics of food producing animals. Includes contributions of the Nevada and U.S. animal industries in providing food on an international basis.

**Units**

**Min Units:**
3

**Max Units:**
3

## AGSC102 - Agriculture Communication & Organization

### General

**Subject code**
AGSC

**Catalog Number**
102

**Long Description (Catalog Description)**
Prerequisite: None
Designed for students interested in pursuing an agricultural career. Provides students with an in depth investigation into personal and interpersonal leadership. Teaches students to strengthen their leadership influence through a personal application of leadership skills, attitudes and dispositions.

**Units**

**Min Units:**
1

**Max Units:**
3

## AGSC122 - Intercollegiate Rodeo

### General

**Subject code**
AGSC

**Catalog Number**
122

**Long Description (Catalog Description)**
Prerequisite: None
Designed for men and women interested in rodeo as a knowledgeable spectator, producer, or participant. Covers rodeo history, current rules, equipment use, and physical and mental conditioning.

**Units**

**Min Units:**
2

**Max Units:**
2

## AGSC163 - Horsemanship

### General

**Subject code**
AGSC

**Catalog Number**
163

**Long Description (Catalog Description)**
Prerequisite: None
Demonstrates Western horseback riding techniques and equitation. Provides the foundation for good, basic, and effective horsemanship that can later be developed into more specialized. riding. Includes safety, handling, grooming, saddling, staling, feeding, health, exercise, and riding. All levels of ability are welcome as lab assignments are tailored to the skill levels of both student and horse.

**Units**

**Min Units:**
2

**Max Units:**
2

## AGSC198 - Special Topics in Agriculture

### General

**Subject code**
AGSC

**Catalog Number**
198

**Long Description (Catalog Description)**
Prerequisite: None
Selected agricultural topics offered for general interest in the agricultural community. Repeatable to a maximum of six units.

### Units

**Min Units:**
1

**Max Units:**
6

## AGSC201 - Introduction to Meat Harvesting and Processing

### General

**Subject code**
AGSC

**Catalog Number**
201

**Long Description (Catalog Description)**
Prerequisites: AGSC 100; Introduces students to meat harvesting and processing, covering animal anatomy, humane handling, postmortem changes, food safety, preservation, packaging, grading, and industry innovation. The course emphasizes ethical practices, USDA regulations, and real-world skills through hands-on labs, dissections, simulations, and evaluations.

### Units

**Min Units:**
3

**Max Units:**
3

## AGSC206 - Fundamentals of Animal Nutrition

### General

**Subject code**
AGSC

**Catalog Number**
206

**Long Description (Catalog Description)**
Prerequisite: AGSC 100 or 105
Provides an overview of animal nutrition as the basis for livestock feeding and nutrition. Discusses the fundamentals of digestion and absorption in both ruminants and non-ruminants. Emphasizes the nutritive value of feeds as they relate to the formulation of livestock rations, including by-product feeding.

### Units

**Min Units:**
3

**Max Units:**
3

## AGSC211 - Agribusiness Management

### General

**Subject code**
AGSC

**Catalog Number**
211

**Long Description (Catalog Description)**
Applies business management principles to the operation of commercial farms/ranches and food processing/manufacturing firms.

### Units

**Min Units:**
3

**Max Units:**
3

## AGSC255 - Meat Industry, Food Safety, and Quality Systems

### General

**Subject code**
AGSC

**Catalog Number**
255

**Long Description (Catalog Description)**
Prerequisites: AGSC 100; Understand all aspects of the meat production industry from animal rearing to the retail sales of meat products; apply federal and international regulatory guidelines to address best practices in meat processing; distinguish yield and quality USDA grading scores; serve as communication channel between private companies and the USDA; identify factors in meat processing.

### Units

**Min Units:**
3

**Max Units:**
3

## AIT101 - Fundamentals Of Applied Industrial Technology

### General

**Subject code**
AIT

**Catalog Number**
101

**Long Description (Catalog Description)**
Explains the fundamental concepts of electricity used in many applications, especially control systems. Ohm's Law and Kirchhoff's voltage and current laws will be applied both in theory and through lab experiments. Mechanical concepts of basic levers and forces, friction and pulleys and gears are introduced, as well as their effects on a system. Covers fundamental operation of electric relay controls and explains basic logic circuits which are used to provide automated control of many types of machines. Simulated tools and test equipment are utilized.

### Units

**Min Units:**
4

**Max Units:**
4

## AIT102 - Measurement Tools and Methods

### General

| Subject code | Catalog Number |
|---|---|
| AIT | 102 |

**Long Description (Catalog Description)**
Explains the fundamental concepts of dimensional measurement. Accuracy and tolerance will be described and applied in theory and through lab experiments. U.S. Customary Units and S.I. Metric Units are utilized both in measurement and conversion. Covers fundamental operation of dial and digital calipers.

### Units

| Min Units: | Max Units: |
|---|---|
| 1 | 2 |

## AIT103 - Intro to Machine Tool Technologies

### General

| Subject code | Catalog Number |
|---|---|
| AIT | 103 |

**Long Description (Catalog Description)**
Introduction to the fundamental concepts of using a drill press and band saw, including their parts and controls. These tools will be utilized in the manufacturing process to cut materials and countersink, counterbore, ream and tap holes. Lab experiments will be accomplished through simulated tools and test equipment.

### Units

| Min Units: | Max Units: |
|---|---|
| 1 | 1 |

## AIT121 - Electrical Control Systems

### General

| Subject code | Catalog Number |
|---|---|
| AIT | 121 |

**Long Description (Catalog Description)**
Prerequisite: AIT 101
Covers the function and operation of logic control circuits used in industrial, commercial and residential applications. Relays, limit switches and time-delays are introduced for a variety of uses. Automation with electrical control is common in many settings, using components wired together in specific configurations that form the logic needed to determine the sequences of machine operations.

### Units

| Min Units: | Max Units: |
|---|---|
| 1 | 3 |

## AIT125 - Industrial Robotics in the Manufacturing Industry

### General

| Subject code | Catalog Number |
|---|---|
| AIT | 125 |

**Long Description (Catalog Description)**
Prerequisites: AIT 101
Covers the fundamentals of industrial robotics found in modern manufacturing, logistics and distribution environments. Covers servo robot system components, prepares students to perform robotic movement using articular and/or Cartesian coordinates, ensures exposure to the design of programs for point-to-point and task activities, includes analysis of industrial robotic integration to standardize production line systems, and integrates basic troubleshooting techniques into robot theory and operation.

### Units

| Min Units: | Max Units: |
|---|---|
| 0.5 | 6 |

## AIT131 - Basic Industry 4.0 Certification

### General

| Subject code | Catalog Number |
|---|---|
| AIT | 131 |

**Long Description (Catalog Description)**
Prerequisites: None
Smart Automation Certification Alliance Industry 4.0 Associate - Basic Operations Certification prepares individuals to succeed in operations and assembly positions in modern production environments that use Industry 4.0 automation technologies. Class provides the knowledge and skills necessary to earn this nationally recognized certification and it is also ideal for individuals in related occupations who want to learn more about automated equipment and processes. Topics include: concepts & terminology of smart manufacturing, basic setup, adjustment & operation of automated machines, safety, hand tools, blueprint & schematic reading, precision measurement, basic electrical control, pneumatic & sensor systems operation, basic robot operation & terminology and production monitoring via HMI.

### Units

| Min Units: | Max Units: |
|---|---|
| 2 | 4 |

## AIT155 - Applied Industrial Technology Hands On Lab

### General

| Subject code | Catalog Number |
|---|---|
| AIT | 155 |

**Long Description (Catalog Description)**
Allows students of Applied Industrial Technology to use hands-on trainers and equipment as they become available for the study of various topics.

### Units

| Min Units: | Max Units: |
|---|---|
| 1 | 6 |

## AIT198 - Special Topics in Applied Industrial Technology

### General

**Subject code**
AIT

**Catalog Number**
198

**Long Description (Catalog Description)**
Explores various topics of current interest/demand in Applied Industrial Technology areas of study. Applies to a variety of current topics in the field of industrial technology, covering subjects such as new approaches and techniques, equipment configuration, upgrades, preventive maintenance, etc.

### Units

**Min Units:**
1

**Max Units:**
6

## AIT200 - Applied Industrial Technology Projects

### General

**Subject code**
AIT

**Catalog Number**
200

**Long Description (Catalog Description)**
Prerequisites: None
Explores various project-based topics in the Applied Industrial Technology field. Applies to a range of subjects including short courses and workshops covering a variety of themes relevant to industry.

### Units

**Min Units:**
1

**Max Units:**
6

## AIT201 - Pneumatic Power Technologies

### General

**Subject code**
AIT

**Catalog Number**
201

**Long Description (Catalog Description)**
Introduces the concepts of how to connect and operate basic pneumatic components and systems, read circuit diagrams, monitor system operation, and design circuits. Different types of actuators and values will be explained, and skills working with pneumatic schematics will be strengthened by using simulated tools and test equipment.

### Units

**Min Units:**
1

**Max Units:**
3

## AIT250 - Mechatronics: Electrical Components

### General

**Subject code**
AIT

**Catalog Number**
250

**Long Description (Catalog Description)**
3 units Prerequisite or Corequisite: AIT 101
Covers the basics of electrical components in a complex mechatronic system. Students will learn the basic functions and physical properties of electrical components, and the roles they play within the system. Technical documentation such as data sheets, schematics, and timing diagrams will be covered while exploring troubleshooting strategies and preventive maintenance.

### Units

**Min Units:**
3

**Max Units:**
3

## AIT251 - Mechatronics: Mechanical Components

### General

**Subject code**
AIT

**Catalog Number**
251

**Long Description (Catalog Description)**
3 units Prerequisite or Corequisite: AIT 250
Covers the basics of pneumatic, electropneumatic and hydraulic control circuits in a complex mechatronic system. Teaches the functions and properties of control elements based upon physical principles, and the roles they play within the system. Covers technical documentation such as data sheets, circuit diagrams, displacement step diagrams and function charts while exploring troubleshooting strategies and preventive maintenance.
Covers the basics of mechanical components in a complex mechatronic system. Students will learn the basic functions and physical properties of mechanical components, and the roles they play within the system. Technical documentation such as data sheets, schematics, and timing diagrams will be covered while exploring troubleshooting strategies and preventive maintenance.

### Units

**Min Units:**
3

**Max Units:**
3

## AIT252 - Mechatronics: Pneumatic & Hydraulic

### General

**Subject code**
AIT

**Catalog Number**
252

**Long Description (Catalog Description)**
3 units Prerequisite or Corequisite: AIT 251
Covers the basics of pneumatic, electropneumatic and hydraulic control circuits in a complex mechatronic system. Students will learn the functions and properties of control elements based upon physical principles, and the roles they play within the system. Technical documentation such as data sheets, circuit diagrams, displacement step diagrams and function charts will be covered while exploring troubleshooting strategies and preventive maintenance.

### Units

**Min Units:**
3

**Max Units:**
3

## AIT253 - Mechatronics: Programmable Logic Controllers

### General

**Subject code**
AIT

**Catalog Number**
253

**Long Description (Catalog Description)**
3 units Prerequisite or Corequisite: AIT 252
Covers the fundamentals of digital logic and an introduction to programmable logic controllers (PLCs) in a complex mechatronic system. Students will learn the role PLCs play within a mechatronic system or subsystem; students will explore basic elements of PLC functions by writing and testing programs to control them. Course teaches students how to identify malfunctioning PLCs, as well as to apply troubleshooting strategies to identify and localize problems caused by PLC hardware.

### Units

**Min Units:**
3

**Max Units:**
3

## AIT270 - Mechatronics 2: Process Control Technologies

### General

**Subject code**
AIT

**Catalog Number**
270

**Long Description (Catalog Description)**
Prerequisites: AIT 253
Covers content specifically outlined by the Siemens Mechatronic Systems Certification Program (SMSCP) exam objectives and is part of a six-course series to prepare students for the SMSCP Level 2 industry credential exam. Topics include closed loop and other technologies used in process control in the context of a complex mechatronic system are included. Students will understand and establish operating parameters as PID controllers are introduced and explored, along with strategies for optimizing them. Troubleshooting strategies for a variety of industry controllers and their applications are embedded throughout the course.

### Units

**Min Units:**
3

**Max Units:**
3

## AIT271 - Mechatronics 2: Intro to Totally Integrated Automation

### General

**Subject code**
AIT

**Catalog Number**
271

**Long Description (Catalog Description)**
Prerequisites: AIT 253
Covers content specifically outlined by the Siemens Mechatronic Systems Certification Program (SMSCP) exam objectives and is part of a six-course series to prepare students for the SMSCP Level 2 industry credential exam. Introduces the Siemens concept of Totally Integrated Automation by looking at field level analogue sensors and actuators and up to the control level with programming and networking Programmable Logic Controllers (PLCs). Hands-on lab work includes connecting devices and controls, evaluating and writing a PLC program with analogue values and STEP 7 software functions like comparison, memory, arithmetic, conversion, and jump. Including the basics of MPI-Bus and PROFIBUS system, and wire modules to a PLC. Maintenance and troubleshooting of these PLC programs and bus systems are essential components of the course.

### Units

**Min Units:**
3

**Max Units:**
3

## AIT272 - Mechatronics 2: Automation Systems

### General

**Subject code**
AIT

**Catalog Number**
272

**Long Description (Catalog Description)**
Prerequisites: AIT 253
Covers content specifically outlined by the Siemens Mechatronic Systems Certification Program (SMSCP) exam objectives and is part of a six-course series to prepare students for the SMSCP Level 2 industry credential exam. Course is divided into two main sections: Manufacturing Technologies, including CNC, CAD and CAM, and Microcontrollers and Programming, which constitute essential tools in modern manufacturing, particularly in mechatronic systems. Introduces through the microcontroller section the theory behind microcontroller and microprocessor architecture, and its ways of interaction with other electronic elements to explore applications. This theory is complemented with practical exercises that reflect the importance of microcontrollers in a mechatronic system. Covers an exploration of manufacturing automation and the concepts of Metal Cutting, Modal analysis, CNC, CAM and CAD. Provides students with part of the skill set necessary to maintain and improve mechatronic systems.

### Units

**Min Units:**
3

**Max Units:**
3

## AIT273 - Mechatronics 2: Motor Control

### General

**Subject code**
AIT

**Catalog Number**
273

**Long Description (Catalog Description)**
Prerequisites: AIT 253
Covers general machine operation, different types of braking and loads on a motor, and motor efficiency and power. Different control techniques are introduced, including different methods of starting a motor, controlling voltage and frequency, and the role of different sensors in relation to motor operation. Troubleshooting techniques and an examination of the various causes of motor failure are explored; preventive measures to protect motors are also introduced.

### Units

**Min Units:**
3

**Max Units:**
3

## AIT274 - Mechatronics 2: Mechanics and Machine Elements

### General

**Subject code**
AIT

**Catalog Number**
274

**Long Description (Catalog Description)**
Prerequisites: AIT 253
Covers content specifically outlined by the Siemens Mechatronic Systems Certification Program (SMSCP) exam objectives and is part of a six-course series to prepare students for the SMSCP Level 2 industry credential exam. Focuses on the study of the mechanical components that are included in a complex mechatronic system. Includes overview of statics and kinetics, which include; force system analysis, study of equilibrium, frames and machines, friction and effects of forces on the motion of objects among other basic topics. Covers machine elements, fundamentals of a variety of components expanding the material into calculations involving force, stress and wear analysis and investigation of the appropriate component required in given a system. Included are the deployment of these techniques for supporting mechatronic systems and to ensure its proper function, correct possible defects that may interrupt the process, and to plan preventive maintenance operations on them while observing and incorporating safety standards.

### Units

**Min Units:**
3

**Max Units:**
3

## AIT275 - Mechatronics 2: Manufacturing Processes

### General

**Subject code**
AIT

**Catalog Number**
275

**Long Description (Catalog Description)**
Prerequisites: AIT 253
Covers content specifically outlined by the Siemens Mechatronic Systems Certification Program (SMSCP) exam objectives and is part of a six-course series to prepare students for the SMSCP Level 2 industry credential exam. Course is divided into two main sections: process management, and function and importance of a hands-on design project. Lessons and labs explore engineering technology in ways that ensure students have an awareness of what it is like to work with customers, timelines, budgetary restrictions, and in general to include some basic business sense in the spirit of their work. The simulations and exercises in this course emphasize business-related factors that further develop well-rounded mechatronics technicians.

### Units

**Min Units:**
3

**Max Units:**
3

## AIT285 - AIT Certification/Examination Prep

### General

**Subject code**
AIT

**Catalog Number**
285

**Long Description (Catalog Description)**
Reviews industrial technology theory and practice including devices and circuits, wiring techniques, controls, operation of test instruments, measurement methods, and troubleshooting of industrial systems. Manufacturing, distribution, and logistics practices and tasks will be covered as applicable. Prepares students for current industrial certification and employment tests through practice questions, example scenarios, and review.

### Units

**Min Units:**
1

**Max Units:**
3

## AIT290 - Applied Industrial Technology Internship

### General

**Subject code**
AIT

**Catalog Number**
290

**Long Description (Catalog Description)**
Prerequisite: Consent of Instructor.
Allows students to apply knowledge to real on-the-job situations in a program designed by a company official and faculty advisor to maximize learning experiences.

### Units

**Min Units:**
1

**Max Units:**
6

## AUTB120 - Automotive Collision I

### General

**Subject code**
AUTB

**Catalog Number**
120

**Long Description (Catalog Description)**
Provides fundamental instruction of hands-on skill and knowledge in auto body construction, tools, and safety. Students will also work with metal, plastics, fiberglass and trim.

### Units

**Min Units:**
3

**Max Units:**
3

## AUTB125 - Automotive Collision II

### General

**Subject code**
AUTB

**Catalog Number**
125

**Long Description (Catalog Description)**
Prerequisites: AUTB120
Continues AUTB 120 with more advanced hands-on skill and knowledge in auto body construction, tools, safety and work with metal, plastic, fiberglass and trim.

### Units

**Min Units:**
1

**Max Units:**
6

## AUTB200 - Automotive Refinishing I

### General

**Subject code**
AUTB

**Catalog Number**
200

**Long Description (Catalog Description)**
Provides fundamental instruction of hands-on skill and knowledge in the painting and refinishing, including metal preparation, sanding techniques, masking and priming.

### Units

**Min Units:**
3

**Max Units:**
3

## AUTB205 - Auto Refinishing II

### General

**Subject code**
AUTB

**Catalog Number**
205

**Long Description (Catalog Description)**
Prerequisites: AUTB200
Continues AUTB 200 with more advanced hands-on skill and knowledge in the painting and refinishing of auto bodies.

### Units

**Min Units:**
1

**Max Units:**
6

## AUTO101 - Introduction to General Mechanics

### General

**Subject code**
AUTO

**Catalog Number**
101

**Long Description (Catalog Description)**
Introduces principles, design, construction and maintenance of automobiles. Includes safety, use of manuals, selection and use of hand tools, and hand-held test instruments. Introduces general maintenance of various systems.

### Units

**Min Units:**
3

**Max Units:**
3

## AUTO115 - Auto Electricity & Electronics I

### General

**Subject code**
AUTO

**Catalog Number**
115

**Long Description (Catalog Description)**
Prerequisites: AUTO 101
Topics include mastery of DC electricity, use of digital multimeters, troubleshooting electrical problems in starting, charging and accessory systems. Prepares students for ASE certification.

### Units

**Min Units:**
4

**Max Units:**
4

## AUTO117 - Advanced Auto Electronics

### General

**Subject code**
AUTO

**Catalog Number**
117

**Long Description (Catalog Description)**
Prerequisites: AUTO115
Advanced AC and DC automotive electronic circuits. Troubleshooting electronically controlled components including supplemental restraint systems and convenience accessories. Prepares students for ASE certification.

### Units

**Min Units:**
4

**Max Units:**
4

## AUTO130 - Engine Reconditioning

### General

**Subject code**
AUTO

**Catalog Number**
130

**Long Description (Catalog Description)**
Prerequisites: AUTO101
Introduces principles, design, construction and maintenance of automobile engines. Includes overhaul of various systems in the engine (valve, train, oiling system, etc.) safety, use of manuals, selection and use of hand tools. Introduces a variety of systems.

**Units**

**Min Units:**
3

**Max Units:**
3

## AUTO140 - Automotive Brake Systems

### General

**Subject code**
AUTO

**Catalog Number**
140

**Long Description (Catalog Description)**
Introduces principles, design, construction and maintenance of automotive brake systems including antilock systems. Includes safety, use of manuals, selection and use of hand tools, power tools and hand-held test instruments. Introduces general maintenance of a variety of different systems.

**Units**

**Min Units:**
3

**Max Units:**
3

## AUTO145 - Automotive Brakes

### General

**Subject code**
AUTO

**Catalog Number**
145

**Long Description (Catalog Description)**
Prerequisites: AUTO 101
Focus is on theory, diagnosis, and service of drum, disc, and anti-lock braking systems, brake component machining, hydraulic component reconditioning, friction and hardware replacement. Prepares students for ASE certification.

**Units**

**Min Units:**
4

**Max Units:**
4

## AUTO155 - Steering & Suspension

### General

**Subject code**
AUTO

**Catalog Number**
155

**Long Description (Catalog Description)**
Prerequisites: AUTO 101
Diagnosis/service of suspension components including shocks, springs, ball joints, manual and power steering system, and four wheel alignment are some areas covered. Prepares students for ASE certification.

**Units**

**Min Units:**
4

**Max Units:**
4

## AUTO160 - Auto Air Conditioning and Heating

### General

**Subject code**
AUTO

**Catalog Number**
160

**Long Description (Catalog Description)**
Introduces principles design, construction and maintenance of automotive air conditioning systems. Includes safety, use of manuals, selection and use of hand tools, and hand-held test instruments, evacuating systems, charging/recovery systems and other specialized air conditioning tools. Introduces general maintenance of a variety of different air conditioning systems.

**Units**

**Min Units:**
3

**Max Units:**
3

## AUTO185 - Introduction to Alternative Fueled Vehicles

### General

**Subject code**
AUTO

**Catalog Number**
185

**Long Description (Catalog Description)**
Prerequisite(s): AUTO 117 or instructor approval.
Familiarizes students with the alternative fuels movement and the laws, regulations and programs affecting alternative fuels. The design and operation of alternative gaseous, liquid, bio-fuels, hydrogen, hybrid, electric vehicles and emerging technologies will be covered.

**Units**

**Min Units:**
3

**Max Units:**
3

## AUTO198 - Special Topics in Automotive Mechanics

### General

**Subject code**
AUTO

**Catalog Number**
198

**Units**

**Min Units:**
3

**Max Units:**
6

## AUTO205 - Manual Drivetrain and Axles

### General

**Subject code**
AUTO

**Catalog Number**
205

**Long Description (Catalog Description)**
Prerequisite(s): AUTO 101
Covers theory and operation of the automotive and light truck manual drive trains and axles. Emphasis is placed on operation, maintenance, diagnosis, repair, clutch assemblies, differentials, drivelines, axles and manual transaxles. Components will be inspected for wear and failure. Drive train components will be reassembled to manufactures specifications.

**Units**

**Min Units:**
3

**Max Units:**
3

## AUTO210 - Automatic Transmissions & Transaxles I

### General

**Subject code**
AUTO

**Catalog Number**
210

**Long Description (Catalog Description)**
Introduces principles, design, construction and maintenance of automatic transmissions used in today's automobiles. Includes safety, use of manuals, selection and use of hand tools, and appropriate transmission test instruments. Introduces maintenance of a variety of different automatic transmissions.

**Units**

**Min Units:**
3

**Max Units:**
3

## AUTO225 - Engine Performance I/Fuel & Ignition

### General

**Subject code**
AUTO

**Catalog Number**
225

**Long Description (Catalog Description)**
Prerequisites: AUTO 101
A study of engine related subsystems which include ignition, fuel, cooling, starting, and charging systems. Theory and testing of computerized engine management systems. Prepares students for ASE certification.

**Units**

**Min Units:**
4

**Max Units:**
4

## AUTO227 - Engine Performance II/Emission Control

### General

**Subject code**
AUTO

**Catalog Number**
227

**Long Description (Catalog Description)**
Prerequisites: AUTO225
Automotive emission control systems. Preparation on current gas analyzers for the purpose of diagnosis and repair of specific emission devices. Prepares students for ASE certification.

**Units**

**Min Units:**
4

**Max Units:**
4

## AUTO235 - Engine Performance III/Diagnostics

### General

**Subject code**
AUTO

**Catalog Number**
235

**Long Description (Catalog Description)**
Prerequisites: AUTO227
Computerized engine and fuel management control. Operational theory of automotive computers. Use of hand held diagnostic interfaces. Prepares students for ASE certification.

**Units**

**Min Units:**
4

**Max Units:**
4

## AUTO291 - Work Experience I

### General

**Subject code**
AUTO

**Catalog Number**
291

**Long Description (Catalog Description)**
Prerequisite(s): Instructor Approval
Expands opportunities for applied learning by participating in educationally-directed work-based learning experiences. This includes such things as simulated work place, internships, job shadows, volunteerism, service learning and other opportunities that allow for application of processes, concepts and principles presented through classroom instruction.

**Units**

**Min Units:**
1

**Max Units:**
4

## AV110 - Private Pilot Ground School

### General

**Subject code**
AV

**Catalog Number**
110

**Long Description (Catalog Description)**
Prerequisite: None
A study of aviation fundamentals including principles of flight, aircraft and engine operations, weather, navigation, and radio communications as required by the Federal Aviation Administration (FAA) regulations. Topics will include general service, maintenance, and safety practices.

### Units

**Min Units:**
4

**Max Units:**
4

## AV111 - Private Pilot Lab

### General

**Subject code**
AV

**Catalog Number**
111

**Long Description (Catalog Description)**
Co-requisites: AV 110
Students will begin their flight training with an FAA Certificated Flight Instructor, covering all skills necessary to pass the FAA Private Pilot Airplane Certificate Practical Exam. To qualify for the FAA Private Pilot Certificate, students must meet the following requirements: be at least 17 years old, be able to read, speak, write, and understand English, hold at least a third-class medical certificate, and complete both ground and flight training, including a minimum of 40 flight hours with specific time requirements for solo and dual instruction.

### Units

**Min Units:**
3

**Max Units:**
3

## AV210 - Instrument Ground School

### General

**Subject code**
AV

**Catalog Number**
210

**Long Description (Catalog Description)**
Prerequisite: None. Recommend AV 110
This course provides in-depth study of the purpose, use and operation of flight instruments in airport departures, en route navigation, approaches and other aspects of instrument flight.

### Units

**Min Units:**
4

**Max Units:**
4

## AV212 - Instrument Lab

### General

**Subject code**
AV

**Catalog Number**
212

**Long Description (Catalog Description)**
Prerequisites: AV 111
Co-requisites: AV 210
Students will start their flight training with an FAA Certificated Flight Instructor - Instrument, covering all skills necessary to meet the eligibility requirements for the FAA Instrument Airplane Practical Exam. To qualify for the FAA Instrument Rating, students must have at least 50 hours of cross-country flight time as pilot-in-command, 40 hours of actual or simulated instrument time, and hold at least a private pilot certificate.

### Units

**Min Units:**
3

**Max Units:**
3

## AV250 - Commercial Aviation Ground School

### General

**Subject code**
AV

**Catalog Number**
250

**Long Description (Catalog Description)**
Provides aspiring pilots with the necessary knowledge and skills to pursue a career in commercial aviation. Essential topics related to commercial pilot operations, regulations, advanced navigation, meteorology, aerodynamics, and more will be covered.

### Units

**Min Units:**
4

**Max Units:**
4

## AV251 - Commercial Pilot Lab

### General

**Subject code**
AV

**Catalog Number**
251

**Long Description (Catalog Description)**
Prerequisites: AV 111
Co-requisites: AV 250
Students will start their flight training with an FAA-authorized Flight Instructor, focusing on all practical skills required to meet the eligibility requirements for the FAA Commercial Pilot Certificate. To qualify for the FAA Commercial Pilot Certificate, students must have at least 250 hours of total flight time, including specific requirements for cross-country and night flying.

### Units

**Min Units:**
3

**Max Units:**
3

## BUS101 - Introduction to Business

### General

**Subject code**
BUS

**Catalog Number**
101

**Long Description (Catalog Description)**
Provides the student a broad background about the modern business world. An important course for students who are considering choosing a business major.

**Units**

**Min Units:**
3

**Max Units:**
3

## BUS107 - Business Speech Communications

### General

**Subject code**
BUS

**Catalog Number**
107

**Long Description (Catalog Description)**
Focuses on speech communication skills. Includes effective listening and feedback methods, voice improvement, group and team interaction, developing messages for positive and negative audiences, preparation and presentation of an oral report.

**Units**

**Min Units:**
3

**Max Units:**
3

## BUS108 - Business Letters and Reports

### General

**Subject code**
BUS

**Catalog Number**
108

**Long Description (Catalog Description)**
Prerequisite: ENG 95, 98, 99, or equivalent writing course or appropriate score on WNC placement or equivalent exam. Students should meet with a WNC Counselor to determine readiness based on placement based on readiness exams, high school coursework, or other factors.

Develops letter and report writing skills including proper word choice, letter tone, and structure. Demonstrates how these skills are best used in business letters, memoranda, reports and other business documents.

**Units**

**Min Units:**
3

**Max Units:**
3

## BUS110 - Human Relations for Employment

### General

**Subject code**
BUS

**Catalog Number**
110

**Long Description (Catalog Description)**
Provides students/prospective employees with knowledge and understanding of self and others for effective interactions in the workplace. Emphasizes employability skills such as communication, work habits and attitudes, ethics, conflict management, motivation and problem solving.

**Units**

**Min Units:**
1

**Max Units:**
3

## BUS115 - Business Mathematics

### General

**Subject code**
BUS

**Catalog Number**
115

**Long Description (Catalog Description)**
Reviews fundamental mathematical processes for the vendor and the consumer. Discounts, commissions, depreciation, overhead and interest rates are included.

**Units**

**Min Units:**
3

**Max Units:**
3

## BUS198 - Special Topics

### General

**Subject code**
BUS

**Catalog Number**
198

**Units**

**Min Units:**
1

**Max Units:**
6

## BUS271 - Introduction to Employment Law

### General

**Subject code**
BUS

**Catalog Number**
271

**Long Description (Catalog Description)**
Prerequisite: BUS 101. Recommend MGT 283
Provides a framework to develop productive and effective employers and employees in the workplace. Topics include federal and state labor and employment laws and how they impact employers, employees and the workforce environment.

**Units**

**Min Units:**
3

**Max Units:**
3

## BUS273 - Business Law I

### General

**Subject code**
BUS

**Catalog Number**
273

**Long Description (Catalog Description)**
Teaches the nature and sources of law. Studies the court systems and law as related to contracts, negotiable instruments, sales, insurance, and agencies.

**Units**

**Min Units:**
3

**Max Units:**
3

## BUS295 - Work Experience I

### General

**Subject code**
BUS

**Catalog Number**
295

**Units**

**Min Units:**
1

**Max Units:**
6

## BUS299 - Business Capstone

### General

**Subject code**
BUS

**Catalog Number**
299

**Long Description (Catalog Description)**
Prerequisite: Completion of a minimum of 45 units of requirements for an AAS degree in business or consent of instructor.
Concludes various business concepts introduced throughout the business program by merging acquired skills and concepts through the business plan with additional emphasis on job preparation and business ethics.

**Units**

**Min Units:**
3

**Max Units:**
3

## CADD100 - Introduction to Computer Aided Drafting

### General

**Subject code**
CADD

**Catalog Number**
100

**Long Description (Catalog Description)**
Prerequisite: IS 101 and MATH 110 or higher
Uses AutoCAD software to produce working drawings. Emphasizes constructing and editing two-dimensional geometry and placing drawing annotation.

**Units**

**Min Units:**
3

**Max Units:**
3

## CADD105 - Intermediate Computer-Aided Drafting

### General

**Subject code**
CADD

**Catalog Number**
105

**Long Description (Catalog Description)**
Prerequisites: CADD100 or consent of instructor
Provides instruction and training in advanced two-dimension AutoCAD commands. Covers the use of symbols and symbol libraries. Introduces three-dimensional drawing.

**Units**

**Min Units:**
3

**Max Units:**
3

## CADD120 - Architectural Drafting I

### General

**Subject code**
CADD

**Catalog Number**
120

**Long Description (Catalog Description)**
Prerequisites: CADD100 or equivalent experience
Stresses blueprint reading skills. Introduces residential working drawing concepts leading to a full set of professional level working drawings.

**Units**

**Min Units:**
3

**Max Units:**
3

## CADD245 - Solid Modeling and Parametric Design

### General

**Subject code**
CADD

**Catalog Number**
245

**Long Description (Catalog Description)**
Provides training and instruction in using parametric solid modeling software to create solid model parts, assemblies and working drawings.

**Units**

**Min Units:**
3

**Max Units:**
3

## CEE495 - Special Topics

### General

**Subject code**
CEE

**Catalog Number**
495

**Long Description (Catalog Description)**
Additional prerequisites or corequisites: CONS 108 and CONS 114 and CEM 456
Study and/or experimentation in areas of special current and modern fields that concerns construction managers. Teaches students to research different possibilities and their implications on the modern construction industry. Repeatable up to six units.

### Units

**Min Units:**
3

**Max Units:**
3

## CEM100 - Fundamentals of Construction Management

### General

**Subject code**
CEM

**Catalog Number**
100

**Long Description (Catalog Description)**
Provides an overview of the construction industry roles, responsibilities, and risks from perspectives of owners, constructors, designers, financial institutions, and government agencies. Study of construction process techniques and applications.

### Units

**Min Units:**
3

**Max Units:**
3

## CEM330 - Soils and Foundations for Construction

### General

**Subject code**
CEM

**Catalog Number**
330

**Long Description (Catalog Description)**
Additional prerequisite: CONS 114.
Introduction to basic concepts of soils and foundations including compaction, compressibility, settlement, shear strength and site investigations.

### Units

**Min Units:**
3

**Max Units:**
3

## CEM350 - Facility Systems Design and Construction I

### General

**Subject code**
CEM

**Catalog Number**
350

**Long Description (Catalog Description)**
Additional prerequisites: CONS 109 and MATH 126
Introduces mechanical systems for facilities including HVAC systems, plumbing, electrical, communications and other systems used int he process of utility services. Provides detailed instruction on how to analyze needs, determine the related scope of work, design and construction of these systems.

### Units

**Min Units:**
3

**Max Units:**
3

## CEM432 - Temporary Construction Structures

### General

**Subject code**
CEM

**Catalog Number**
432

**Long Description (Catalog Description)**
Additional prerequisites: CONS 109 and MATH 126.
Introduces the analysis, design, and construction of temporary structures including formwork, false work, shoring, rigging, and access units. Addresses cost analysis, load and pressure calculations and safety considerations and requirements.

### Units

**Min Units:**
3

**Max Units:**
3

## CEM451 - Construction Estimating

### General

**Subject code**
CEM

**Catalog Number**
451

**Long Description (Catalog Description)**
Additional prerequisites: CONS 109 and MATH 126
Covers principles and procedures used in estimating construction costs. Includes application of quality determination, estimate pricing, specifications, subcontractor and supplier solicitation, risk assessment and risk analysis, and final bidding preparation. Computer based estimating software used for semester project.

### Units

**Min Units:**
3

**Max Units:**
3

## CEM452 - Construction Cost Control

### General

**Subject code**
CEM

**Catalog Number**
452

**Long Description (Catalog Description)**
Additional prerequisites: ACC 201 and MATH 126
Covers construction cost management including productivity and cost reporting/ analysis concepts. Includes financial/cost issues/cash flow for the construction firm including reporting methods and percentage of completion techniques. Covers performance/profitability enhancement, earned value management, construction bonding and insurance issues, and firm and job-site analysis.

### Units

**Min Units:**
3

**Max Units:**
3

## CEM453 - Construction Scheduling

### General

**Subject code**
CEM

**Catalog Number**
453

**Long Description (Catalog Description)**
Additional Prerequisites: CONS 109, 281, and MATH 126
Provides an overview of scheduling and resource optimization. Includes short-interval scheduling, Gantt charts, linear, and matrix scheduling formats. Covers network techniques including CPM and PERT concepts and calculations and computer applications using Microsoft Project.

### Units

**Min Units:**
3

**Max Units:**
3

## CEM454 - Heavy Construction Methods and Equipment

### General

**Subject code**
CEM

**Catalog Number**
454

**Long Description (Catalog Description)**
Additional prerequisites: CEM 330 and MATH 126
Covers characteristics, capabilities, limitations, uses, and selection techniques for heavy construction methods and equipment process planning, simulation, fleet operations, and maintenance programs

### Units

**Min Units:**
3

**Max Units:**
3

## CEM455 - Construction Management Practice

### General

**Subject code**
CEM

**Catalog Number**
455

**Long Description (Catalog Description)**
Additional prerequisites CEM 451, CEM 452, and CEM 453:
Includes direction and operation of construction organizations with examination of general contracting, design-build, and construction management methods. Covers synthesis of project management concepts, applications, and limitations through case studies and semester projects.

### Units

**Min Units:**
3

**Max Units:**
3

## CEM456 - Construction Management Capstone

### General

**Subject code**
CEM

**Catalog Number**
456

**Long Description (Catalog Description)**
Additional prerequisites or corequisites: CEE 462 and CEE 463
Provides an integration of all elements of the construction management undergraduate education, from inception to contract award, and applying them to selected construction projects. Introduces contemporary construction industry issues into student projects.

### Units

**Min Units:**
3

**Max Units:**
3

## CEM485 - Construction Law and Contracts

### General

**Subject code**
CEM

**Catalog Number**
485

**Long Description (Catalog Description)**
Additional prerequisites: CONS 118
Provides information on legal problems in the construction process. Covers stipulated sum, unit price, cost-plus contracts, construction lien rights and bond rights, scope of work issues, builders risk issues, risk-shifting, and case studies.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT110 - A+ Hardware

### General

**Subject code**
CIT

**Catalog Number**
110

**Long Description (Catalog Description)**
Introduces the fundamentals of computer system repair. Students learn the hardware and software elements that define an operating computing system. Troubleshooting methods and the use of diagnostic tools are taught with reinforcement provided using hands-on exercises. Successful completion of this course will place a student in good standing to take the nationally recognized A+ certification exam created by the computing industry.

**Units**

**Min Units:**
3

**Max Units:**
3

## CIT112 - Network +

### General

**Subject code**
CIT

**Catalog Number**
112

**Long Description (Catalog Description)**
Prerequisites: None
Introduction to the concepts and practices needed to function in an entry level network technician capacity. Course content is mapped to current domains within the Comp/TIA Network+ Certification

**Units**

**Min Units:**
3

**Max Units:**
3

## CIT114 - IT Essentials

### General

**Subject code**
CIT

**Catalog Number**
114

**Long Description (Catalog Description)**
Provides a comprehensive overview of the primary operating systems and the support of hardware devices. Demonstrates the integration between hardware and software. Emphasis is on installing, configuring, troubleshooting and upgrading a PC and working with computer users as an IT technician. Non-transferable/non-applicable towards an AA or AS degree

**Units**

**Min Units:**
4

**Max Units:**
4

## CIT120 - Computing for a Global, Digital Society

### General

**Subject code**
CIT

**Catalog Number**
120

**Long Description (Catalog Description)**
Prerequisites: None
An introductory course emphasizing computational thinking, logical reasoning, critical thinking, and problem solving, creativity, communication, and collaboration within the context of computing and computer science as a rapidly developing influence on culture, society and the individual.

**Units**

**Min Units:**
4

**Max Units:**
4

## CIT128 - Introduction to Software Development

### General

**Subject code**
CIT

**Catalog Number**
128

**Long Description (Catalog Description)**
Recommended prerequisite: MATH 95 or appropriate score on the WNC placement exam.
Offers a first course in programming and software development, and assumes no prior programming experience. Introduces the basic syntax of a programming language and stresses the principles of good software engineering. Introduces HTML (the language of the Web), Webscripting (dynamic Web content), and SQL (Structured Query Language), which is used to access relational databases.

**Units**

**Min Units:**
4

**Max Units:**
4

## CIT129 - Introduction to Programming

### General

**Subject code**
CIT

**Catalog Number**
129

**Long Description (Catalog Description)**
Prerequisites: IS101 or consent of instructor
Offers a language-independent, introductory course on computer program design and development. Emphasizes identification and solution of business problems through various design tools.

**Units**

**Min Units:**
3

**Max Units:**
3

## CIT130 - Beginning Java

### General

**Subject code**
CIT

**Catalog Number**
130

**Long Description (Catalog Description)**
Prerequisites: CIT129 or previous programming experience with consent of instructor
Teaches Java, an object-oriented programming language used in general-purpose computing, Web development, client-server computing, n-tier e-commerce applications, and Web-based applets. Object-oriented programing techniques and hands-on learning will be emphasized. Students will complete several computer programming projects.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT133 - Beginning C++

### General

**Subject code**
CIT

**Catalog Number**
133

**Long Description (Catalog Description)**
Prerequisites: CIT129 or consent of instructor
Teaches the "C++" programming language. Object-oriented programming techniques and hands-on learning will be emphasized. Students will complete several computer programming projects.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT134 - Beginning C# Programming

### General

**Subject code**
CIT

**Catalog Number**
134

**Long Description (Catalog Description)**
Prerequisite: CIT 128
Introduction to the C# programming language. Uses C# programming language for solving problems. Covers C#'s control structures, Object Oriented Concepts, simple graphical displays, file input/output and error handling.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT144 - Introduction to Data Analytics

### General

**Subject code**
CIT

**Catalog Number**
144

**Long Description (Catalog Description)**
Prerequisites: CIT 128
An introduction to data analysis that uses technologies and applications to analyze and clean up data; to classify, visualize, and summarize sets of sample data; and to determine if the sample data reflects characteristics of populations.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT148 - Beginning Python Programming

### General

**Subject code**
CIT

**Catalog Number**
148

**Long Description (Catalog Description)**
Prerequisite: CIT 128 recommended or consent of instructor
Introduction to the Python programming language. Covers Python data types, input, output, operators, decision and looping statements, functions, lists, exceptions and files.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT151 - Beginning Web Development

### General

**Subject code**
CIT

**Catalog Number**
151

**Long Description (Catalog Description)**
Prerequisites: IS101 or consent of instructor
Introduces students to XHTML and Web page construction. Topics cover construction and management of Web sites and creation of Web pages utilizing standards-based technologies such as Cascading Style Sheets. Emphasis on developing interoperable web sites that work with standards compliant web browsers. Interoperability with non standards-compliant web browsers is covered. As a technology driven course, graphic design is not emphasized. May be taught using basic text editing or a web-development tool such as Dreamweaver.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT152 - Web Script Language Programming

### General

**Subject code**
CIT

**Catalog Number**
152

**Long Description (Catalog Description)**
Prerequisites: CIT 151
Programming class providing instruction in the creation of interactive web pages using technologies such as Javascript, SQL, CSS and HTML; investigates client- and server- side programming techniques.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT162 - Embedded Systems & Project Design

### General

**Subject code**
CIT

**Catalog Number**
162

**Long Description (Catalog Description)**
Prerequisites: CIT 148; Students will learn foundational electronics, microcontroller programming, circuit design, and system integration using the 30 Days Lost in Space kit. Over a semester, students will progress through the full 30-day missions at a measured pace, build deeper understanding of theory and design, and produce technical documentation.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT172 - Introduction to Artificial Intelligence

### General

**Subject code**
CIT

**Catalog Number**
172

**Long Description (Catalog Description)**
Introduces the foundations of modern artificial intelligence with emphasis on large language models (LLMs), their capabilities, and their limitations. Students develop practical skills in prompt engineering, learn to evaluate AI outputs critically, and gain exposure to agentic AI concepts. The course is platform-agnostic and prepares students to use AI tools effectively across professional and academic contexts. No programming experience required.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT173 - Introduction to Linux

### General

**Subject code**
CIT

**Catalog Number**
173

**Long Description (Catalog Description)**
Prerequisites: Basic computer literacy skills.
Provides 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.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT180 - Database Concepts and Sql

### General

**Subject code**
CIT

**Catalog Number**
180

**Long Description (Catalog Description)**
Prerequisites: CIT129 or equivalent programming experience or consent of instructor
Teaches basic principles of data modeling and relational database design. Class is targeted for people with little or no SQL knowledge. Provides a comprehensive overview of query writing, focusing on practical techniques for the IT professional new to relational databases. Course accents hands-on learning in a Structured Query Language (SQL) and SQL procedures.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT183 - Database Administration

### General

**Subject code**
CIT

**Catalog Number**
183

**Long Description (Catalog Description)**
Prerequisites: CIT 180 or consent of instructor
Introduces the primary responsibilities of a database administrator. Includes instructions on installing a DBMS, such as SQL Server or Oracle, to manage database objects, to monitor performance, to manage data storage, to oversee database security and user access, to ensure database connectivity, and to plan for backup and recovery.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT198 - Special Topics: Comp Info Tch

### General

**Subject code**
CIT

**Catalog Number**
198

**Long Description (Catalog Description)**
Applies to assorted short courses and workshops covering a variety of subjects.

**Units**

**Min Units:**
1

**Max Units:**
5

## CIT211 - Microsoft Operating System Management

### General

**Subject code**
CIT

**Catalog Number**
211

**Long Description (Catalog Description)**
Through lectures, discussions, demonstrations, textbook exercises and classroom labs, teaches the basic skills and knowledge necessary to help prepare for the Microsoft Certified Professional (MCP) exam on the topic of a current Microsoft Workstation operating system.

**Units**

**Min Units:**
3

**Max Units:**
3

## CIT212 - Microsoft Networking II

### General

**Subject code**
CIT

**Catalog Number**
212

**Long Description (Catalog Description)**
Through lectures, discussions, demonstrations, textbook study and hands-on lab exercises, teaches the basic skills and knowledge necessary to implement, administer and maintain the current Microsoft Windows Server Operation System.

**Units**

**Min Units:**
3

**Max Units:**
5

## CIT213 - Microsoft 365 Administration

### General

**Subject code**
CIT

**Catalog Number**
213

**Long Description (Catalog Description)**
Prerequisites: CIT212 or consent of instructor
Through lectures, discussions, demonstrations, textbook study, and hands-on lab exercises, teaches the basic skills and knowledge necessary to configure and maintain Microsoft Windows Network Infrastructure services and resources.

**Units**

**Min Units:**
3

**Max Units:**
3

## CIT214 - Microsoft Azure Administration

### General

**Subject code**
CIT

**Catalog Number**
214

**Long Description (Catalog Description)**
Prerequisites: CIT213 or consent of instructor
Through lectures, discussions, demonstrations, textbook study, and hands-on lab exercises, teaches the basic skills and knowledge necessary to implement, administer and maintain a Microsoft Directory Services environment.

**Units**

**Min Units:**
3

**Max Units:**
5

## CIT217 - Security +

### General

**Subject code**
CIT

**Catalog Number**
217

**Long Description (Catalog Description)**
Prerequisites: Instructor Consent
Introduces fundamental concepts of information security. Provides a basic understanding of best practices and current standards and explores topics of increasing importance in the industry as a whole. Provides practical knowledge and skills using monitoring and detection tools in a lab environment.

**Units**

**Min Units:**
3

**Max Units:**
3

## CIT220 - Routing and Switching

### General

**Subject code**
CIT

**Catalog Number**
220

**Long Description (Catalog Description)**
Prerequisites: CIT 112 or Consent of Instructor
Introduces the concepts and practices needed to function in an entry level network technician capacity. Course content is mapped to current domains within the Cisco ICND and CCNA certification exams.

### Units

**Min Units:**
4

**Max Units:**
4

## CIT230 - Advanced Java

### General

**Subject code**
CIT

**Catalog Number**
230

**Long Description (Catalog Description)**
Prerequisites: CIT130
Builds upon the foundation constructed in Beginning Java. Since Java works behind the scenes to power Internet applications, this class will focus more heavily upon application development with an emphasis on client-side and server-side techniques. Topics include, but not limited to, inheritance, interfaces, exception handling, javafx, input and ouput to files and databases, data structures, generics, and searching and sort algorithms.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT248 - Advanced Python Programming

### General

**Subject code**
CIT

**Catalog Number**
248

**Long Description (Catalog Description)**
Prerequisite: CIT 148
Focus on Python as an object-oriented language and introduction to Python collections, modules and packages. Techniques for accessing data in relational databases and testing methodologies are included as part of development of larger programs.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT251 - Advanced Web Development

### General

**Subject code**
CIT

**Catalog Number**
251

**Long Description (Catalog Description)**
Prerequisites: CIT 151
Extends student knowledge and skills with HTML, CSS and Scripting. Introduces additional web-related techniques used to make web pages more engaging and more versatile across multiple platforms in a mobile environment.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT262 - Data Driven Engineering

### General

**Subject code**
CIT

**Catalog Number**
262

**Long Description (Catalog Description)**
Prerequisites: CIT 248 and CIT 160 or consent of instructor; This course explores applied engineering design, fabrication, and systems integration through hands-on, project-based learning. Students develop, test, and refine mechanical and electronic systems while applying fundamental principles of design, modeling, and data analysis. Emphasis is placed on iterative problem solving, prototype development, and performance evaluation. Students learn to document design decisions, analyze test data, and communicate results effectively. The course prepares students for advanced study or careers in engineering technology, mechatronics, and related fields.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT263 - Introduction to IT Project Management

### General

**Subject code**
CIT

**Catalog Number**
263

**Long Description (Catalog Description)**
Introduces students to the concepts of project management as used within the information technology fields of study.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT270 - Network Tools

### General

**Subject code**
CIT

**Catalog Number**
270

**Long Description (Catalog Description)**
Prerequisites: CIT 112 or Consent of Instructor
Introduces current needed tools and techniques to effectively enumerate, map, document, investigate, and configure within current network architectures and environments. Focuses on tools and methods needed in computer and network technician, and cybersecurity roles.

### Units

**Min Units:**
4

**Max Units:**
4

## CIT272 - AI Agents, Tools, and Connected Systems

### General

**Subject code**
CIT

**Catalog Number**
272

**Long Description (Catalog Description)**
Prerequisites: CIT 165 or instructor approval; Builds on foundational AI literacy to develop hands-on competency with tool-using AI systems, agent architectures, and connected AI infrastructure. Students construct tool-calling workflows, configure Model Context Protocol (MCP) integrations, implement memory and retrieval systems, and design multi-agent architectures. The course uses CLI-based AI coding tools and is platform-agnostic across major LLM providers. Basic programming experience or concurrent enrollment in a programming course is recommended.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT273 - Network Defense

### General

**Subject code**
CIT

**Catalog Number**
273

**Long Description (Catalog Description)**
Prerequisites: Instructor Consent
Details network security information domains regarding planning to protect a network, as well as detecting and responding to network attacks.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT274 - Ethical Hacking

### General

**Subject code**
CIT

**Catalog Number**
274

**Long Description (Catalog Description)**
Prerequisites: Instructor Consent
Explains basic IT security concepts and models. Introduces concepts of penetration testing to validate security measures and identify vulnerabilities; formulate a basic security policy; demonstrate basic penetration attacks; assess risks and countermeasures; explain legal and ethical concerns as they apply to penetration testing; explores methods to gain access to computer resources and methods to prevent/reduce vulnerabilities.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT275 - Hacking Forensics Investigation

### General

**Subject code**
CIT

**Catalog Number**
275

**Long Description (Catalog Description)**
Prerequisites: Instructor Consent
Provides key baseline knowledge and practices in the digital forensic domains including file systems, operating systems, network and database systems, websites and email.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT280 - Introduction to Blockchain Concepts

### General

**Subject code**
CIT

**Catalog Number**
280

**Long Description (Catalog Description)**
Prerequisites: MATH 124 or higher
Introduction to Blockchain technology; a type of distributed ledger technology. Covers what blockchain is, how blockchain was developed, how blockchain works, and the primary issues, challenges and opportunities blockchain faces. Engages students in hands-on contextualized code exercises, to lay a strong foundation for blockchain development.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT281 - Intermediate Blockchain Concepts

### General

**Subject code**
CIT

**Catalog Number**
281

**Long Description (Catalog Description)**
Prerequisites: MATH 124 or higher, CIT 280
Builds on the concepts introduced in CIT 280 to address intermediate concepts related to blockchain; including the concepts of access, privacy, and integrity. Provides an overview of the practical landscape for the blockchain workforce, including industry-specific applications, different types of blockchain, common project types, and limitations and opportunities that might define blockchain in the future.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT284 - Unity Programming I

### General

**Subject code**
CIT

**Catalog Number**
284

**Long Description (Catalog Description)**
Prerequisites: CIT 134
Teaches the basics of C# programming within Unity software to create interactivity in games, apps, AR/VR and other experiences. The course objectives are aligned with current industry standards set by professionals and educators leading to Unity Industry User Certification.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT285 - Unity Programming II

### General

**Subject code**
CIT

**Catalog Number**
285

**Long Description (Catalog Description)**
Prerequisites: CIT 284
Teaches the ability to create VR experiences and programs within Unity software. The course objectives are aligned with current industry standards set by professionals and educators.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT299 - Independent Study Comp Info Technology

### General

**Subject code**
CIT

**Catalog Number**
299

**Long Description (Catalog Description)**
Prerequisites: available to students who have completed most core and emphasis requirements and have a 2.5 or better GPA. Written consent of a full-time instructor is required
Offers students special projects involving subjects or skills related to the CIT curriculum. This project will be designed with a faculty advisor. Class will have variable credit of one to six depending on the course content and number of contact hours required. Course may be repeated. It may be substituted for another course with special permission of the division.

### Units

**Min Units:**
1

**Max Units:**
6

## CIT330 - Designing Virtualized Systems

### General

**Subject code**
CIT

**Catalog Number**
330

**Long Description (Catalog Description)**
Prerequisites: CIT 112 and CIT 211
Teaches students to install, configure, and manage vSphere; to install a complete virtual network on VMware Workstation consisting of ESXi hosts, a domain controller, a vCenter server, and an iScsi SAN. Course prepares students for VCA-DCV and VCP-DCV certifications.

### Units

**Min Units:**
4

**Max Units:**
4

## CIT363 - Advanced Project and Earned Value Management

### General

**Subject code**
CIT

**Catalog Number**
363

**Long Description (Catalog Description)**
Prerequisites: Admission to BAS Organization and Project Management Program, CIT 263
Advanced study of Project Management techniques and methodology. Topics include: Earned Value Management, Financial Instruments, Standard Industry Codes, Concepts of Accounting Theory, Budget/Proforma, use of MS Project, Excel, Visio, PowerPoint, and Access to develop, track, present Project Management data for management review.

### Units

**Min Units:**
3

**Max Units:**
3

## CIT372 - AI Implementation, Optimization, and Organizational Strategy

### General

**Subject code**
CIT

**Catalog Number**
372

**Long Description (Catalog Description)**
Prerequisites: CIT 265 or instructor approval; Prepares students to deploy AI systems at organizational scale with attention to workflow automation, cost optimization, governance, and change management. Students identify automation candidates, build production integrations, manage token economics, select models for specific use cases, and develop organizational AI adoption strategies. The course bridges technical implementation with business and institutional decision-making. Prior experience with AI tool-building (CIT 260 or equivalent) is required.

### Units

**Min Units:**
3

**Max Units:**
3

## CONS108 - Construction Materials and Methods I

### General

**Subject code**
CONS

**Catalog Number**
108

**Long Description (Catalog Description)**
Prerequisite: MATH 110 or higher.
Studies the various types of buildings and structures utilized in industrial, commercial and residential construction. Examines peculiarities and potential problem areas for each type of construction. Construction sequencing, inspection sequencing and required testing will be outlined as well as observable "red flags" that can be indicative of potential problems.

### Units

**Min Units:**
4

**Max Units:**
4

## CONS109 - Construction Materials and Methods II

### General

**Subject code**
CONS

**Catalog Number**
109

**Long Description (Catalog Description)**
Prerequisite: CONS 108
Teaches students about the typical materials used in the construction of bridges, roads, pathways, and small commercial buildings. Includes testing procedures, material properties, design, specification, and installation methods using certification standards and guidelines.

### Units

**Min Units:**
4

**Max Units:**
4

## CONS111 - Commercial Building Codes

### General

**Subject code**
CONS

**Catalog Number**
111

**Long Description (Catalog Description)**
Introduces the international residential building code. Covers aspects of any code and how to search, interrupt, understand, and implement the code.

### Units

**Min Units:**
3

**Max Units:**
3

## CONS118 - Construction Contract Documents

### General

**Subject code**
CONS

**Catalog Number**
118

**Long Description (Catalog Description)**
Prerequisite: BUS 107 and ENG 100 or 101 with a grade of C or better
Explores various bid documents including architectural and engineering blueprints, shop drawings and proposals. Common construction contracts and their implications will be explained as well as accepted procedures for resolution of contract disputes.

### Units

**Min Units:**
2

**Max Units:**
2

## CONS120 - Blueprint Reading and Specification

### General

**Subject code**
CONS

**Catalog Number**
120

**Long Description (Catalog Description)**
Equips students with technical and practical interpretation of blueprints. Assignments are made in relation to complete sets of working drawings. Students study construction relationships between architectural, structural, electrical and mechanical drawings, bidding along with inspection procedure technique.

### Units

**Min Units:**
3

**Max Units:**
3

## CONS121 - Principles Of Construction Estimating

### General

**Subject code**
CONS

**Catalog Number**
121

**Long Description (Catalog Description)**
Prerequisite: CONS 120 and CONS 216
Presents basic criteria and procedure for estimating labor and material in residential and commercial applications.

### Units

**Min Units:**
3

**Max Units:**
3

## CONS198 - Special Topics in Construction

### General

**Subject code**
CONS

**Catalog Number**
198

**Long Description (Catalog Description)**
Various short courses and experimental classes covering a variety of subjects. Course will be variable credit of one-half to six credits depending on the course content and number of hours required. May be repeated for up to six credits.

### Units

**Min Units:**
0.5

**Max Units:**
6

## CONS205 - Construction Site Safety

### General

**Subject code**
CONS

**Catalog Number**
205

**Long Description (Catalog Description)**
Includes 30 hours of authorized training addressing the OSHA construction standards. Additional topics include the identification of asbestos, lead and radon in potential construction projects. Upon completion, students will be issued a course completion wallet card by the U.S. Department of Labor's Occupational Safety and Health Administration.

### Units

**Min Units:**
1

**Max Units:**
3

## CONS230 - Electrical Distribution System

### General

**Subject code**
CONS

**Catalog Number**
230

**Long Description (Catalog Description)**
Prerequisites: CONS 120
Explains electrical theory, distribution systems and wiring techniques utilized in the construction industry. Topics will include high voltage distribution, grounding, GFCI's, transformers, load centers and circuits. Actual wiring techniques will be practiced in conjunction with electrical troubleshooting.

### Units

**Min Units:**
2

**Max Units:**
2

## CONS260 - Certified Inspectors of Structures-Residential

### General

**Subject code**
CONS

**Catalog Number**
260

**Long Description (Catalog Description)**
Provides prescribed course of instruction for Certified Inspector of Structures as per the state of Nevada.

### Units

**Min Units:**
3

**Max Units:**
3

## CONS261 - Under-Floor Inspections-Certified Inspector

### General

**Subject code**
CONS

**Catalog Number**
261

**Long Description (Catalog Description)**
Prerequisites: CONS260B
Provides instruction on all of the under-floor components that the Certified Inspector of Structures must inspect to complete a certified inspection per 645D of the Nevada Administrative Code. Students will complete two supervised under-floor inspections and prepare extensive narrative inspection reports for evaluation. They will be required to sign "hold harmless" waivers when conducting inspections off state property. Students are strongly encouraged to have medical insurance that provides coverage in the event of a job-site injury.

### Units

**Min Units:**
1

**Max Units:**
1

## CONS262 - Above-Floor Inspections for Certified Inspector

### General

**Subject code**
CONS

**Catalog Number**
262

**Long Description (Catalog Description)**
Prerequisites: CONS260
Provides instruction on all of the above-floor components typical of residential construction. Seismic and structural hardware will be discussed as will load-bearing, load-transferring and non-load-bearing assemblies. Extensive mechanical and electrical systems analyses will be conducted. Students will prepare extensive narrative inspection reports for evaluation, and sign "hold harmless" waivers when conducting inspections off state property. Students are strongly encouraged to have medical insurance that provides coverage in the event of a job-site injury.

### Units

**Min Units:**
2

**Max Units:**
2

## CONS263 - Supervised Residential Inspections for Certification

### General

**Subject code**
CONS

**Catalog Number**
263

**Long Description (Catalog Description)**
Prerequisites: CONS260
Provides instruction on conducting residential inspections as per 645D of the Nevada Administrative Code. Students will explore methodologies for conducting inspections and develop an inspection format that they will utilize while completing ten supervised inspections. Students must complete ten inspection reports to be evaluated by the instructor and sign "hold harmless" waivers when conducting inspections off state property. Students are strongly encouraged to have medical insurance that provides coverage in the event of a job site injury.

### Units

**Min Units:**
2

**Max Units:**
2

## CONS270 - Construction Management

### General

**Subject code**
CONS

**Catalog Number**
270

**Long Description (Catalog Description)**
Prerequisites: CONS 260 or Consent of Instructor
Provides the necessary lecture and laboratory experience to satisfy the state regulations concerning the General Level Inspection Regulation NAC 645D.120. Course number or instructor approval needed.

### Units

**Min Units:**
1

**Max Units:**
1

## CONS275 - Master Inspector Requirements

### General

**Subject code**
CONS

**Catalog Number**
275

**Long Description (Catalog Description)**
Prerequisites: CONS 270 and consent of Instructor
Provides the necessary lecture and laboratory experience to satisfy the state regulations concerning the Master Level Inspection Regulation NAC 645D.130.

### Units

**Min Units:**
1

**Max Units:**
1

## CONS281 - Construction Planning Scheduling and Control

### General

**Subject code**
CONS

**Catalog Number**
281

**Long Description (Catalog Description)**
Explores project implementation including logistics, scheduling, delegation of responsibility and quality control.

### Units

**Min Units:**
3

**Max Units:**
3

## CONS290 - Internship in Construction

### General

**Subject code**
CONS

**Catalog Number**
290

**Long Description (Catalog Description)**
Prerequisites: None
Studies project management techniques on-site under the supervision of a project manager or superintendent.

### Units

**Min Units:**
3

**Max Units:**
3

## CONS295 - Work Experience I

### General

**Subject code**
CONS

**Catalog Number**
295

**Long Description (Catalog Description)**
Prerequisites: consent of instructor
Studies project management techniques on-site under the supervision of a project manager or superintendent.

### Units

**Min Units:**
1

**Max Units:**
6

## CONS451 - Advanced Internship in Construction

### General

**Subject code**
CONS

**Catalog Number**
451

**Long Description (Catalog Description)**
Additional prerequisites: CONS 281 and consent of instructor.
Studies advanced project management techniques on-site under the supervision of a project manager or superintendent and instructor. In consultation with the student, based on the specific internship, instructor determines additional learning objectives in addition to standard course learning objectives. Includes interaction with the instructor on a weekly basis. Assignments are required.

### Units

**Min Units:**
3

**Max Units:**
3

## COT204 - Using Windows

### General

**Subject code**
COT

**Catalog Number**
204

**Long Description (Catalog Description)**
Covers how the Windows Graphic User Interface is used, how to customize Windows and how to use the various accessories and parts of the Windows program.

### Units

**Min Units:**
3

**Max Units:**
9

## COT262 - Intermediate Spreadsheets Concepts

### General

**Subject code**
COT

**Catalog Number**
262

**Long Description (Catalog Description)**
Prerequisites: IS101 or consent of instructor
Studies the concepts and capabilities of computer spreadsheet systems. Teaches command and macro generation. Students gain experience generating spreadsheet templates, graphs and macros as business problem-solving tools. When offered for variable credit, content will be divided as follows: A) Concepts and capabilities of the computer spreadsheet with spreadsheet generation; B) Experience with the user-level menu access of the software, including graphing; C) More advanced capabilities of database and macro generation.

### Units

**Min Units:**
3

**Max Units:**
3

## CPD102 - Career Exploration

### General

**Subject code**
CPD

**Catalog Number**
102

**Long Description (Catalog Description)**
Acquaints students in choosing a career suitable to them. Involves a systematic approach to making a career choice, covering self-assessment, decision making techniques, and current occupational information. Appropriate for those undecided as to a career direction or who wish more career information prior to focusing their academic studies.

### Units

**Min Units:**
0.5

**Max Units:**
3

## CPD116 - Substance Abuse-Fundamental Facts and Insights

### General

**Subject code**
CPD

**Catalog Number**
116

**Long Description (Catalog Description)**
Covers topics related to substance abuse in society: identification of substance, reasons for abuse of alcohol and of drugs, signs and symptoms of substance abuse, and approaches and techniques recognized as effective in substance abuse counseling.

### Units

**Min Units:**
3

**Max Units:**
3

## CPD117 - Introduction to Counseling

### General

**Subject code**
CPD

**Catalog Number**
117

**Long Description (Catalog Description)**
Presents an overview of basic communication and counseling skills and the foundations of the helping relationship. Includes experimental situations such as role playing and group exercises.

### Units

**Min Units:**
3

**Max Units:**
3

## CPD123 - Career Choices and Changes

### General

**Subject code**
CPD

**Catalog Number**
123

**Long Description (Catalog Description)**
Offers career development and job seeking strategies and connections to campus resources and events. Acquaints students in choosing a suitable career and the necessary work readiness skills to gain and maintain successful employment. Includes Career assessment activities and employability skills training, such as job application, resume, and job interview skills.

### Units

**Min Units:**
1

**Max Units:**
3

## CPD125 - Career Accelerators for Success

### General

**Subject code**
CPD

**Catalog Number**
125

**Long Description (Catalog Description)**
Provides opportunity to acquire and strengthen social and emotional intelligence skills (soft skills) the career differentiators in the 21st century workplace. The course leads from knowledge of self to interaction with others and other career accelerators. The course may include assessment tools such as StrengthsFinder and WorkKeys.

### Units

**Min Units:**
1

**Max Units:**
3

## CPD129 - Communication Techniques

### General

**Subject code**
CPD

**Catalog Number**
129

**Long Description (Catalog Description)**
Teaches skills to help students become more assertive and improve their ability to communicate effectively. Covers communication techniques that can be used in the workplace and a variety of situations.

### Units

**Min Units:**
1

**Max Units:**
1

## CRJ103 - Communication Within the Criminal Justice Field

### General

**Subject code**
CRJ

**Catalog Number**
103

**Long Description (Catalog Description)**
Prepares the student to be able to communicate within the criminal justice field by introducing him/her to the five basic communication skills: report writing, non-verbal communication, basic public speaking, interviewing and interrogation skills, and courtroom testimony. * This class must be taken before attending the Western Nevada State Peace Officer Academy

### Units

**Min Units:**
3

**Max Units:**
3

## CRJ104 - Introduction to the Administration of Justice

### General

**Subject code**
CRJ

**Catalog Number**
104

**Long Description (Catalog Description)**
Provides an overview of the American criminal justice system, its development, components, and processes; includes consideration of crime and criminal justice as a formal area of study.

### Units

**Min Units:**
3

**Max Units:**
3

## CRJ106 - Introduction to Corrections

### General

**Subject code**
CRJ

**Catalog Number**
106

**Long Description (Catalog Description)**
Studies the history and development of correctional agencies, particularly prisons. Examines ideas influencing contemporary correctional institutions. Explores the relationship of the Department of Corrections to other criminal justice system components.

### Units

**Min Units:**
3

**Max Units:**
3

## CRJ155 - Juvenile Justice System

### General

**Subject code**
CRJ

**Catalog Number**
155

**Long Description (Catalog Description)**
Introduces the field of police work with juveniles. Focuses on juvenile crime problems and their causes, detention and processing of the juvenile offender, practices of the juvenile court, and case disposition.

### Units

**Min Units:**
3

**Max Units:**
3

## CRJ164 - Principles Of Investigation

### General

**Subject code**
CRJ

**Catalog Number**
164

**Long Description (Catalog Description)**
Prerequisites: CRJ 104 or consent of instructor
Examines the fundamentals of investigation: crime scene search and recording of information, collection and presentation of physical evidence, sources of information, scientific aids, case preparation, and interviews and interrogation procedures.

### Units

**Min Units:**
3

**Max Units:**
3

## CRJ211 - Police in America

### General

**Subject code**
CRJ

**Catalog Number**
211

**Long Description (Catalog Description)**
Explores the historical development, roles, socialization, and problems of police work.

### Units

**Min Units:**
3

**Max Units:**
3

## CRJ215 - Probation & Parole I

### General

**Subject code**
CRJ

**Catalog Number**
215

**Long Description (Catalog Description)**
Surveys the probation and parole system of the U.S. through its evolution to the present. Shows different systems within the U.S. and focuses on executive clemency, parole, rights of prisoners, probationers and parolees, and strategies for treatment.

### Units

**Min Units:**
3

**Max Units:**
3

## CRJ222 - Criminal Law and Procedure

### General

**Subject code**
CRJ

**Catalog Number**
222

**Long Description (Catalog Description)**
Prerequisites: CRJ 104 or consent of instructor
Provides an integrated overview of the elements of substantive criminal law and the fundamental concepts of due process and fairness underlying American criminal procedures.

### Units

**Min Units:**
3

**Max Units:**
3

## CRJ225 - Criminal Evidence

### General

**Subject code**
CRJ

**Catalog Number**
225

**Long Description (Catalog Description)**
Examines the origin, development, philosophy, and constitutional basis of evidence. Covers constitutional and procedural considerations which affect arrest, search, and seizure.

### Units

**Min Units:**
3

**Max Units:**
3

## CRJ230 - Criminal Law

### General

**Subject code**
CRJ

**Catalog Number**
230

**Long Description (Catalog Description)**
Prerequisites: CRJ101,LAW101
Examines substantive criminal law with particular attention to crime, intent, attempts, search and seizure, and the laws of arrest. Relates criminal law to the working police officer. Covers rights and duties of citizen and officer under criminal law.

### Units

**Min Units:**
3

**Max Units:**
3

## CRJ234 - Introduction to the Courts and American Legal System

### General

**Subject code**
CRJ

**Catalog Number**
234

**Long Description (Catalog Description)**
Prerequisite: CRJ 104 or consent of instructor
Introduces the judicial branch of government, its history, roles, structure and hierarchy of the courts, the central actors and processes. Compares and contrasts the roles of the other branches of government; its organization and interrelationship of the courts within our system of federal, state, and local governments.

### Units

**Min Units:**
3

**Max Units:**
3

## CRJ260 - 911 Dispatch Emergency Telecommunicator Academy

### General

**Subject code**
CRJ

**Catalog Number**
260

**Long Description (Catalog Description)**
Prerequisites: 4 hour sit-in in Dispatch Center (prior to class start date)
Focuses on the skills needed to become a dispatcher with law enforcement agencies, fire centers, trucking firms, taxicab companies, etc. During the 12-credit semester-long course, students will be required to spend 44 hours job shadowing dispatchers, fire fighters and law enforcement officers. They will attend law classes, build their communication and typing skills, and participate in practical scenarios.

### Units

**Min Units:**
12

**Max Units:**
12

## CRJ265 - Introduction to Physical Evidence

### General

**Subject code**
CRJ

**Catalog Number**
265

**Long Description (Catalog Description)**
Surveys the forensic sciences to show their role in the use of physical evidence in matters of criminal and/or civil law. Focuses on the value of modern scientific investigations.

### Units

**Min Units:**
3

**Max Units:**
4

## CRJ270 - Introduction to Criminology

### General

**Subject code**
CRJ

**Catalog Number**
270

**Long Description (Catalog Description)**
Examines how society interacts with crime and delinquency through the use of the criminal justice system. Studies effective interaction and communication between the general public and members of the criminal justice system. Emphasizes the understanding of criminal behavior from a sociological and psychological perspective.

### Units

**Min Units:**
3

**Max Units:**
3

## CRJ295 - Work Experience - Corrections

### General

**Subject code**
CRJ

**Catalog Number**
295

**Long Description (Catalog Description)**
Prerequisites: CRJ 104 or consent of instructor
Provides the student with on-the job, supervised and educationally directed work experience.

### Units

**Min Units:**
1

**Max Units:**
6

## CRJ296 - Work Experience - Juvenile Justice

### General

**Subject code**
CRJ

**Catalog Number**
296

**Long Description (Catalog Description)**
Prerequisites: CRJ 104 or consent of instructor
Provides the student with on-the job, supervised and educationally directed work experience.

### Units

**Min Units:**
1

**Max Units:**
6

## CRJ297 - Work Experience - Law Enforcement

### General

**Subject code**
CRJ

**Catalog Number**
297

**Long Description (Catalog Description)**
Prerequisites: CRJ 104 or consent of instructor
Provides the student with on-the-job, supervised and educationally directed work experience.

### Units

**Min Units:**
1

**Max Units:**
6

## CRJ298 - Work Experience - Probation and Parole

### General

**Subject code**
CRJ

**Catalog Number**
298

**Long Description (Catalog Description)**
Prerequisites: CRJ 104 or consent of instructor
Provides the student with on-the-job, supervised and educationally directed work experience.

### Units

**Min Units:**
1

**Max Units:**
6

## CS135 - Computer Science I

### General

**Subject code**
CS

**Catalog Number**
135

**Long Description (Catalog Description)**
Prerequisites: MATH128 or higher or satisfactory score on a placement exam
Introduces modern problem solving and programming methods. Emphasis is placed on algorithm development, data abstraction, procedural and object-oriented design, implementation, testing, and documentation of computer programs. Students will write several computer programs.

### Units

**Min Units:**
3

**Max Units:**
3

## CS202 - Computer Science II

### General

**Subject code**
CS

**Catalog Number**
202

**Long Description (Catalog Description)**
Prerequisites: CS135
Emphasizes problem solving and program development techniques. Typical numerical and non-numerical problems are examined. Emphasis is placed on data abstraction, object-oriented design, implementation, testing, and documentation of elementary data structures such as lists, stacks, queues and trees. Students will write and test several non-trivial computer programs.

### Units

**Min Units:**
3

**Max Units:**
3

## CSCO120 - Ccna Internetworking Fundamentals

### General

**Subject code**
CSCO

**Catalog Number**
120

**Long Description (Catalog Description)**
Introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. Uses the OSI and TCP layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. Principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced.

### Units

**Min Units:**
4

**Max Units:**
4

## CSCO121 - Ccna Routing Protocols

### General

**Subject code**
CSCO

**Catalog Number**
121

**Long Description (Catalog Description)**
Prerequisites: CSCO120 or consent of instructor
Covers the architecture, components, and operation of routers, and explains the principles of routing and routing protocols. Students analyze, configure, verify, and troubleshoot the primary routing protocols RIPv1, RIPv2, EIGRP, and OSPF.

### Units

**Min Units:**
4

**Max Units:**
4

## CSCO130 - Fundamentals of Wireless Lans

### General

**Subject code**
CSCO

**Catalog Number**
130

**Long Description (Catalog Description)**
Introduces wireless LAN concepts and focuses on the design, planning, implementation, operation and troubleshooting of wireless networks. Covers a comprehensive overview of technologies, security and design best practices with particular emphasis on hands-on skills.

### Units

**Min Units:**
4

**Max Units:**
4

## CSCO220 - Ccna Lan Switch Wireless

### General

**Subject code**
CSCO

**Catalog Number**
220

**Long Description (Catalog Description)**
Prerequisites: CSCO120
Covers an in-depth understanding of how switches operate and are implemented in the LAN environment for small and large networks. Beginning with a foundational overview of Ethernet, provides detailed explanations of LAN switch operation, VLAN implementation, Rapid Spanning Tree Protocol (RSTP), VLAN Trunking Protocol (VTP), Inter-VLAN routing, and wireless network operations. Students analyze, configure, verify, and troubleshoot VLANs, RSTP, VTP, and wireless networks. Campus network design and Layer 3 switching concepts are introduced.

### Units

**Min Units:**
4

**Max Units:**
4

## CSCO221 - Ccna Wan Fundamentals

### General

**Subject code**
CSCO

**Catalog Number**
221

**Long Description (Catalog Description)**
Prerequisites: CSCO121 & CSCO220
Explains the principles of traffic control and access control lists (ACLs) and provides an overview of the services and protocols at the data link layer for wide-area access. Students learn how to implement and configure Point-to-Point Protocol (PPP), Point-to-Point Protocol over Ethernet (PPPoE), DSL, and Frame Relay. WAN security concepts, tunneling, and VPN basics are also introduced.

### Units

**Min Units:**
4

**Max Units:**
4

## CSCO230 - Security Operations Center Fundamentals

### General

**Subject code**
CSCO

**Catalog Number**
230

**Long Description (Catalog Description)**
Prerequisites: CSCO121
Designed to prepare students for certification in this field (Cisco and CompTIA security exams). Teaches how to design and implement security solutions to reduce the risk of revenue loss and vulnerability. Combines hands-on experience, instructor-led lectures, and a Web based curriculum for students. Provides an introduction to network security and overall security processes.

### Units

**Min Units:**
4

**Max Units:**
4

## CSCO280 - Ccnp Advanced Routing

### General

**Subject code**
CSCO

**Catalog Number**
280

**Long Description (Catalog Description)**
Prerequisites: CSCO221 or CCNA Certification
Prepares students with the knowledge and skills to necessary to use advanced IP addressing and routing in implementing scalability for Cisco ISR routers connected to LANs and WANs. Covers topics on Advanced IP Addressing, Routing Principles, Multicast Routing, IPv6, Manipulating Routing Updates, and configuring basic BGP, Configuring EIGRP, OSPF, and IS-IS. Recommended preparation for the Building Scalable Cisco Internetworks exam required to become a Cisco Certified Network Professional (CCNP).

### Units

**Min Units:**
4

**Max Units:**
4

## CSCO281 - Ccnp Secure Convg Wide Nt

### General

**Subject code**
CSCO

**Catalog Number**
281

**Long Description (Catalog Description)**
Prerequisites: CSCO221 or CCNA Certification
Prepares students with the knowledge and skills necessary to secure and expand the reach of an enterprise network to teleworkers and remote sites with focus on securing remote access and VPN client configuration. Covers topics on the Cisco hierarchical network model as it pertains to the WAN, teleworker configuration and access, frame mode MPLS, site-to-site IPSEC VPN, Cisco EZVPN, strategies used to mitigate network attacks, Cisco device hardening and IOS firewall features. Recommended preparation for the Implementing Secure Converged Wide Area Networks exam required to become a Cisco Certified Network Professional (CCNP).

### Units

**Min Units:**
4

**Max Units:**
4

## CUL100 - Sanitation/HACCP

### General

**Subject code**
CUL

**Catalog Number**
100

**Long Description (Catalog Description)**
Covers all aspects of food service sanitation; focuses on causes and prevention of foodborne illness and the implementation of HACCP quality assurance systems. Includes lectures, demonstrations, and special projects. Students take the ServSafe Food Service Manager Certification exam. Passing confers NRA (National Restaurant Association) certification.

### Units

**Min Units:**
2

**Max Units:**
2

## CUL105 - Basic Skills Development

### General

**Subject code**
CUL

**Catalog Number**
105

**Long Description (Catalog Description)**
Provides students with basic culinary skills to enroll in kitchen or baking production classes. Competencies include culinary history, professionalism, basic safety and sanitation, standardized recipe use and costing, basic nutrition and menu planning, introduction to ingredients, use of commercial kitchen equipment and hand tools, basic knife cuts and raw ingredient preparation.

### Units

**Min Units:**
3

**Max Units:**
3

## CUL106 - Understanding Culinary Techniques I

### General

**Subject code**
CUL

**Catalog Number**
106

**Long Description (Catalog Description)**
Teaches introductory hot food cookery with emphasis on product utilization, cost effectiveness, timing and presentation. Students practice traditional and modern cooking techniques and good nutrition. Provides hands-on practice utilizing moist and dry heat cooking methods. Students prepare sauces, soups, starches, vegetables and center of the plate entrees. Some menus include practical baking of quick breads and home baked desserts. Chief instructors make frequent demonstrations to reinforce and amplify recipes and lectures.

### Units

**Min Units:**
6

**Max Units:**
6

## DFT100 - Basic Drafting Principles

### General

**Subject code**
DFT

**Catalog Number**
100

**Long Description (Catalog Description)**
Introduces basic concepts of technical drawing. Covers perception theories, lettering, sketching techniques, use of drafting instruments, orthographic projection, basic dimensioning, and pictorial drawings. Designed as introductory course for CADD 100.

### Units

**Min Units:**
3

**Max Units:**
3

## DFT110 - Blueprint Reading for Industry

### General

**Subject code**
DFT

**Catalog Number**
110

**Long Description (Catalog Description)**
Teaches those concepts required by machine shops or engineering, electrical and welding industries. Student will begin with simple prints and proceed to more advanced prints.

### Units

**Min Units:**
3

**Max Units:**
3

## DT101 - Basic Diesel Engines

### General

**Subject code**
DT

**Catalog Number**
101

**Long Description (Catalog Description)**
Prerequisites: OSH 222; This course introduces the student to basics of diesel fundamentals through the use of lectures, films, visual inspection and demonstrations. The course objective is to build an educational foundation that will support advanced learning in diesel repair, troubleshooting, and preventive maintenance.

### Units

**Min Units:**
1

**Max Units:**
4

## DT130 - Heavy Duty Hydraulics

### General

**Subject code**
DT

**Catalog Number**
130

**Long Description (Catalog Description)**
Prerequisites: None. Recommended: MT 160; This course will cover the theory of operation and service of hydraulic systems for heavy-duty off-road vehicles and equipment. Topics will include hydraulic pumps, motors, cylinders, and control valves. The student will learn to read hydraulic schematics, and be able to perform diagnosis and maintenance of hydraulic systems.

### Units

**Min Units:**
2

**Max Units:**
2

## DT211 - Light Duty Performance

### General

**Subject code**
DT

**Catalog Number**
211

**Long Description (Catalog Description)**
Prerequisites: OSH 222; This course will familiarize the student with specific makes of diesel fuel injection equipment used in a worldwide market. Upon completion of the course, students will be able to troubleshoot and service a variety of diesel powered equipment.

### Units

**Min Units:**
2

**Max Units:**
2

## ECE121 - Parent Care Relations

### General

**Subject code**
ECE

**Catalog Number**
121

**Long Description (Catalog Description)**
Helps students acquire various communication skills to enhance parent/caregiver relationships. Covers interpersonal communication, listening skills and cooperative problem solving.

### Units

**Min Units:**
1

**Max Units:**
1

## ECE122 - Observation Skills

### General

**Subject code**
ECE

**Catalog Number**
122

**Long Description (Catalog Description)**
Provides parents and teachers various formal and informal methods to enhance their observation and assessment skills. Discussion includes methods for use with developmentally delayed children.

### Units

**Min Units:**
1

**Max Units:**
1

## ECE123 - Health & Nutrition for the Young Child

### General

**Subject code**
ECE

**Catalog Number**
123

**Long Description (Catalog Description)**
Examines the health and nutritional needs of young children. Develops skills in menu planning, selecting safe equipment and toys, routines to ensure good health and policies on illness.

### Units

**Min Units:**
1

**Max Units:**
1

## ECE129 - Environment for Infant/Toddler

### General

**Subject code**
ECE

**Catalog Number**
129

**Long Description (Catalog Description)**
Helps students choose equipment and materials to create a physical environment which is responsive to the infant/toddler total development. Staff considerations and time schedules will be explored.

### Units

**Min Units:**
1

**Max Units:**
1

## ECE154 - Literature for Preschool Children

### General

**Subject code**
ECE

**Catalog Number**
154

**Long Description (Catalog Description)**
Surveys books for use with preschool children. Includes techniques of storytelling and reading to children.

### Units

**Min Units:**
1

**Max Units:**
1

## ECE155 - Literacy and the Young Child

### General

**Subject code**
ECE

**Catalog Number**
155

**Long Description (Catalog Description)**
Emphasizes activities and materials for developing auditory and visual perception and other reading readiness skills in the preschool.

### Units

**Min Units:**
1

**Max Units:**
1

## ECE156 - Music in the Preschool Curriculum

### General

**Subject code**
ECE

**Catalog Number**
156

**Long Description (Catalog Description)**
Outlines activities and materials for teaching music in the preschool, including songs, dances and rhythm activities.

### Units

**Min Units:**
1

**Max Units:**
1

## ECE157 - Art in the Preschool Curriculum

### General

**Subject code**
ECE

**Catalog Number**
157

**Long Description (Catalog Description)**
Describes activities and materials for teaching art in the preschool, including creative development and enjoyment of art through various materials and activities.

### Units

**Min Units:**
1

**Max Units:**
1

## ECE168 - Infectious Diseases and First Aid

### General

**Subject code**
ECE

**Catalog Number**
168

**Long Description (Catalog Description)**
Provides information about infectious diseases and first aid measures in the child care setting. Course content will include recognizing communicable and acute illnesses, management of accidents and injuries, preventive measures, health education, current research, and community resources.

### Units

**Min Units:**
1

**Max Units:**
1

## ECE200 - The Exceptional Child

### General

**Subject code**
ECE

**Catalog Number**
200

**Long Description (Catalog Description)**
Surveys the characteristics and specific needs of special children. Emphasizes teaching and behavioral management as well as available support services.

### Units

**Min Units:**
3

**Max Units:**
3

## ECE204 - Principles of Child Guidance

### General

**Subject code**
ECE

**Catalog Number**
204

**Long Description (Catalog Description)**
Studies effective communication with children in guiding behavior. Emphasis will be placed on techniques which help children build positive self-concepts and individual strengths within the context of appropriate limits and discipline. The study includes uses of direct and indirect guidance techniques as well as introduction to guidance systems.

### Units

**Min Units:**
3

**Max Units:**
3

## ECE231 - Preschool Practicum: Early Childhood Lab

### General

**Subject code**
ECE

**Catalog Number**
231

**Long Description (Catalog Description)**
Prerequisites: ECE 251 or consent of instructor
Allows students to work directly with young children under supervision of a master teacher for three hours per week per credit. Students will contract with the instructor and supervisor for completion of projects. Projects will be related to such areas as routines in the preschool, advanced curriculum planning and implementation, or communication techniques with parents. Lesson plans will be completed and carried out with children.

### Units

**Min Units:**
1

**Max Units:**
4

## ECE240 - Administration of Preschool

### General

**Subject code**
ECE

**Catalog Number**
240

**Long Description (Catalog Description)**
Prerequisites: ECE250
Studies principles and practices in supervision and management of preschool and child care centers, including program planning, organization, budgeting, personnel records, relationships with community resources, regulatory agencies and working with parents.

### Units

**Min Units:**
3

**Max Units:**
3

## ECE250 - Intro to Early Childhood Education

### General

**Subject code**
ECE

**Catalog Number**
250

**Long Description (Catalog Description)**
Introduces students to early childhood education. This course includes the history of child care, regulations, types of programs, legal issues, professional opportunities and current trends and issues. Emphasis is placed on the role of the preschool teacher in enhancing the social, emotional, physical and intellectual growth of preschool-aged children.

### Units

**Min Units:**
3

**Max Units:**
3

## ECE251 - Curriculum in Early Childhood Education

### General

**Subject code**
ECE

**Catalog Number**
251

**Long Description (Catalog Description)**
Prerequisites: ECE 250
Considers methods of planning and teaching curriculum for children 3-5 years old. Included will be curriculum development, children's play, lesson planning, and daily scheduling. Emphasis will be on curriculum development for children 3-5 years old in areas such as art, science, literature, music, language arts, block, dramatic play, etc.

### Units

**Min Units:**
3

**Max Units:**
3

## ECON100 - Introduction to Economics

### General

**Subject code**
ECON

**Catalog Number**
100

**Long Description (Catalog Description)**
Recommended prerequisite: MATH 95 or higher
Offers an introductory overview to supply and demand, the four types of product markets (perfect competition, monopolistic competition, oligopoly and monopoly), operations of markets, consumer and enterprise behavior, price determination. Also covers the measurement of the levels of national income, employment and general prices, and basic causes for fluctuation for these levels.

### Units

**Min Units:**
3

**Max Units:**
3

## ECON102 - Principles of Microeconomics

### General

**Subject code**
ECON

**Catalog Number**
102

**Long Description (Catalog Description)**
Recommended prerequisite: MATH 95 or higher.
Covers supply and demand, the four types of markets (perfect competition, monopolistic competition, oligopoly and monopoly), operations of markets, consumer and enterprise behavior, and price determination.

### Units

**Min Units:**
3

**Max Units:**
3

## ECON103 - Principles of Macroeconomics

### General

**Subject code**
ECON

**Catalog Number**
103

**Long Description (Catalog Description)**
Prerequisites: ECON102 or consent of instructor. Recommend MATH 95 or higher.
Introduces the study of the determination of levels of national income, employment and prices, and basic causes for fluctuation for these levels.

### Units

**Min Units:**
3

**Max Units:**
3

## ECON261 - Principles of Statistics I

### General

**Subject code**
ECON

**Catalog Number**
261

**Long Description (Catalog Description)**
Prerequisites: MATH126 or equivalent
Offers probability and major probability distributions, sampling theory, descriptive statistics, measure of central tendency and dispersion, index figures, and time series.

### Units

**Min Units:**
3

**Max Units:**
3

## ECON262 - Principles of Statistics II

### General

**Subject code**
ECON

**Catalog Number**
262

**Long Description (Catalog Description)**
Prerequisites: ECON261
Offers statistical inference; estimation hypothesis testing, simple linear regression and correlation, and analysis of variance.

### Units

**Min Units:**
3

**Max Units:**
3

## EDCT101 - CTE Teaching Foundations I

### General

**Subject code**
EDCT

**Catalog Number**
101

**Long Description (Catalog Description)**
Prerequisites: None
In this course, students will learn about the educational framework and classroom practices that will prepare them for employment as a secondary career and technical education (CTE) teacher and/or post-secondary opportunities in a CTE field. Topics include the general knowledge CTE teachers need in order to develop professionally and experience success in their first years of teaching and develop as a professional CTE educator; foundations of learning and education; educational jargon, terms and acronyms related to education and CTE; school operations and teacher requirements; instructional standards, lesson planning, assessment and grading; creating and managing an effective learning environment; CTE funding; and career and technical student organizations (CTSOs).

### Units

**Min Units:**
3

**Max Units:**
3

## EDCT102 - CTE Teaching Foundations II

### General

**Subject code**
EDCT

**Catalog Number**
102

**Long Description (Catalog Description)**
Prerequisites: None
In this course, students will apply best practices for successful CTE teaching and learning that will prepare them for employment as a secondary career and technical education (CTE) teacher and/or post-secondary opportunities in a CTE field. Topics and activities include the knowledge and skills CTE teachers need in order to develop as a professional CTE educator and experience success in their first years of teaching. Topics include integration into the school community; working successfully with colleagues, administration, families and industry partners; school operations and teacher requirements; preparing students for standardized testing; classroom management and conflict resolution; program review strategies and data collection; and career and technical student organization competition/travel.

### Units

**Min Units:**
3

**Max Units:**
3

## EDCT110 - Communication Skills for Teachers

### General

**Subject code**
EDCT

**Catalog Number**
110

**Long Description (Catalog Description)**
Prerequisites: None
This course covers the principles of classroom communication for teachers that are new to Career and Technical Education (CTE). Emphasis will be placed on the strategies teachers use to communicate with students, colleagues, administration, parents and community members, as well as how communication supports the high-level instructional practices and educator professional responsibilities often used to measure educator performance. Topics will include types and methods of communication, barriers to communication, and how to facilitate and improve communication to strengthen collaborative relationships, set clear expectations, respond to challenges, and encourage engagement.

### Units

**Min Units:**
3

**Max Units:**
3

## EDCT212 - Family/Community Engagement and Advocacy for CTE Teachers

### General

**Subject code**
EDCT

**Catalog Number**
212

**Long Description (Catalog Description)**
Introduces CTE teachers to the elements, goals, and strategies for engaging families and the community, with emphasis on relationship building, outreach, developing strong partnerships, and engaging diverse stakeholders in the classroom. Topics include research supporting family and community engagement, national and state standards for family-school-community engagement and partnerships, and quality collaboration methods to enhance learning and support student success.

### Units

**Min Units:**
3

**Max Units:**
3

## EDCT230 - Introduction to Career & Technical Education

### General

**Subject code**
EDCT

**Catalog Number**
230

**Long Description (Catalog Description)**
Prerequisites: None
Students will learn the history, development, and organization of career and technical education (CTE), as well as how to develop and manage key components of CTE such as labs/shops, project-based learning, work-based learning, advisory committees, etc.

### Units

**Min Units:**
3

**Max Units:**
3

## EDCT239 - Introduction to CTE Teaching Methods

### General

**Subject code**
EDCT

**Catalog Number**
239

**Long Description (Catalog Description)**
Introduces methods of teaching and how they are used with different types of curriculum to maximize student engagement and learning. Students will explore the connection between teacher performance tools, program effectiveness standards and classroom teaching methods, as well as discuss professional best practices and the impact of teacher behaviors on student learning.

### Units

**Min Units:**
3

**Max Units:**
3

## EDCT247 - Introduction to CTE Curriculum & Instruction

### General

**Subject code**
EDCT

**Catalog Number**
247

**Long Description (Catalog Description)**
Provides the foundation for developing curriculum and assessments in Career and Technical Education (CTE). Students will learn concepts and practices for developing standards-based course maps, unit and lesson plans, learning outcomes and assessments that support competency-based student learning.

### Units

**Min Units:**
3

**Max Units:**
3

## EDCT260 - Teaching Reading, Writing and Math in a CTE Classroom

### General

**Subject code**
EDCT

**Catalog Number**
260

**Long Description (Catalog Description)**
In this course, students will explore and apply effective strategies for integrating academic language, literacy, and numeracy (academic skills) instruction within a Career and Technical Education (CTE) context. Upon completion, students will have mastered foundational skills for teaching reading, writing and math. They will be able to effectively teach and reinforce core academic skills and develop lessons and assessments that support diverse learners in achieving career readiness and success.

### Units

**Min Units:**
3

**Max Units:**
3

## EDCT271 - Introduction to Workforce Development & Career Tech Student Organizations

### General

**Subject code**
EDCT

**Catalog Number**
271

**Long Description (Catalog Description)**
Introduces the concepts of economic and workforce development, as well as the role of career and technical education (CTE) nationally, regionally and locally. Familiarizes students with career and technical student organizations (CTSO) and how they are utilized to help CTE students master critical workplace readiness/employability skills.

### Units

**Min Units:**
3

**Max Units:**
3

## EDCT288 - Inclusive Strategies for Multicultural-Multilingual Students in CTE

### General

**Subject code**
EDCT

**Catalog Number**
288

**Long Description (Catalog Description)**
Covers the key concepts of cultural competency and equity in CTE education, combining theoretical knowledge with practical application, to enhance awareness, understanding, and capacity for cultural competency. Students will review best practices, develop communication and relationship building skills, and apply course concepts in a field setting.

### Units

**Min Units:**
3

**Max Units:**
3

## EDCT290 - Career Preparation through Performance Based Education

### General

**Subject code**
EDCT

**Catalog Number**
290

**Long Description (Catalog Description)**
Introduces students to the definitions, concepts, strategies and tools that support performance and mastery-based learning in CTE classrooms. Topics include career exploration/preparation, work-based learning experiences, project-based instruction and how to plan, execute and evaluate each.

### Units

**Min Units:**
3

**Max Units:**
3

## EDCT295 - CTE Teaching Internship

### General

**Subject code**
EDCT

**Catalog Number**
295

**Long Description (Catalog Description)**
Observation and teaching under supervision in a secondary school, community or technical college, or business and industry training environment.

### Units

**Min Units:**
1

**Max Units:**
6

## EDCT298 - Special Topics in CTE Education

### General

**Subject code**
EDCT

**Catalog Number**
298

**Long Description (Catalog Description)**
Prerequisites: None
Various short courses and experimental classes covering a variety of subjects. The class will be a variable credit of one-half to six credits depending upon class content and number of hours required. The course may be repeated for up to six credits.

### Units

**Min Units:**
0.5

**Max Units:**
6

## EDU110 - Success Strategies in Education & Human Development

### General

**Subject code**
EDU

**Catalog Number**
110

**Long Description (Catalog Description)**
Prerequisites: None
Designed to introduce students to the resources of Western Nevada College and expectations of a college student. Emphasis on education's role in society as well as historical, philosophical and sociological foundations of education and the role of each student within. Introduction to the field of Education as a career choice and major. Includes study skills and strategies to meet college-level study. Exploration of the career preparation path in order to meet goals for timely graduation and career entry.

### Units

**Min Units:**
3

**Max Units:**
3

## EDU112 - Education Internship

### General

**Subject code**
EDU

**Catalog Number**
112

**Long Description (Catalog Description)**
Prerequisites: EDU 110 or Instructor Consent
Supervised work and learning experience in research, public, education, business or government organizations related to Elementary or Secondary Education.

### Units

**Min Units:**
3

**Max Units:**
3

## EDU201 - Introduction to Elementary Education

### General

**Subject code**
EDU

**Catalog Number**
201

**Long Description (Catalog Description)**
Introduces the foundations of elementary education, current trends and issues in curriculum and instruction, the roles of teachers and issues of diversity. Includes field experience. A background check may be required for field experience.

### Units

**Min Units:**
3

**Max Units:**
3

## EDU202 - Introduction to Secondary Education

### General

**Subject code**
EDU

**Catalog Number**
202

**Long Description (Catalog Description)**
Introduces the prospective middle/secondary school teacher to the role of thinker/reflective practitioner. Creates awareness of the historical, social, political and economic forces influencing schooling in the United States.

### Units

**Min Units:**
3

**Max Units:**
3

## EDU203 - Introduction to Special Education

### General

**Subject code**
EDU

**Catalog Number**
203

**Long Description (Catalog Description)**
Surveys the various types of exceptionalities. Emphasizes etiology, physical and educational characteristics.

### Units

**Min Units:**
3

**Max Units:**
3

## EDU204 - Information Technology in Teaching

### General

**Subject code**
EDU

**Catalog Number**
204

**Long Description (Catalog Description)**
Studies the use of microcomputers in operations and word processing applicable to classroom for teachers to operate and utilize microcomputers in education. Special instruction fees.

### Units

**Min Units:**
3

**Max Units:**
3

## EDU205 - Early Foundations in Mathematics

### General

**Subject code**
EDU

**Catalog Number**
205

**Long Description (Catalog Description)**
Prerequisites: EDU 201
Comprises math curriculum for children from infancy through the primary grades. Examines what math looks like at each developmental stage, discussing the underlying cognitive processes, and learning specific ways to support the teaching and learning of mathematics in young children's classroom and home environments. Standards, assessment, and understanding the needs of diverse populations also addressed.

### Units

**Min Units:**
3

**Max Units:**
3

## EDU206 - Classroom Learning Environments

### General

**Subject code**
EDU

**Catalog Number**
206

**Long Description (Catalog Description)**
Prerequisites: EDU201
Presents the function and analysis of elementary school classrooms, daily activities, and methods of behavior management. Includes field experience. A background check may be required for field experience.

### Units

**Min Units:**
3

**Max Units:**
3

## EDU207 - Exploration of Children's Literature

### General

**Subject code**
EDU

**Catalog Number**
207

**Long Description (Catalog Description)**
Surveys children's literature: issues, genre, censorship, historical background, book evaluation and selection.

### Units

**Min Units:**
3

**Max Units:**
3

## EDU208 - Student Diverse Abilities & Backgrnds

### General

**Subject code**
EDU

**Catalog Number**
208

**Long Description (Catalog Description)**
Prerequisites: EDU 203 ; Corequisites: EDU 209
Focuses on students with learning disabilities, mental retardation, behavior disorders and language disorders, and their accommodation in general education environments.

### Units

**Min Units:**
3

**Max Units:**
3

## EDU210 - Nevada School Law

### General

**Subject code**
EDU

**Catalog Number**
210

**Long Description (Catalog Description)**
Identifies legal issues in education and illustrates the implications of laws/ mandates in the schools. Guidelines for teachers will provide information on avoiding situations that may lead to litigations. Concepts covered include teacher liability, teacher/student right to free speech and privacy, and accommodations for religious practices and students with disabilities.

### Units

**Min Units:**
3

**Max Units:**
3

## EDU214 - Preparing Teachers to Use Technology

### General

**Subject code**
EDU

**Catalog Number**
214

**Long Description (Catalog Description)**
Addresses designing and constructing a variety of common core educational artifacts for tomorrow's classrooms by way of hands-on advanced information technology applications. Students create a selection of high quality common core educational artifacts that are appropriate and/or applicable for the digital classroom and a Teacher's E-Portfolio.

### Units

**Min Units:**
3

**Max Units:**
3

## EDU220 - Principles of Educational Psychology

### General

**Subject code**
EDU

**Catalog Number**
220

**Long Description (Catalog Description)**
The psychology of learning, motivation, growth and development, personality, dynamics, and social adjustment.

### Units

**Min Units:**
3

**Max Units:**
3

## EDU245 - Foundations of Elementary Literacy and the Science of Reading

### General

**Subject code**
EDU

**Catalog Number**
245

**Long Description (Catalog Description)**
This course is designed to teach paraprofessionals, substitute teachers, and other support staff current research, theory, methods, and instructional strategies related to the science of reading. The curriculum will focus on the 5 pillars of literacy instruction. Effective literacy assessments, intervention strategies, and differentiation techniques will also be explored.

### Units

**Min Units:**
3

**Max Units:**
3

## EDU295 - Special Topics in Education

### General

**Subject code**
EDU

**Catalog Number**
295

**Long Description (Catalog Description)**
Prerequisites: None
This course covers special topics relevant to the field of education that vary across semesters.

**Units**

**Min Units:**
1

**Max Units:**
6

## ELM110 - Basic Electricity

### General

**Subject code**
ELM

**Catalog Number**
110

**Long Description (Catalog Description)**
Prerequisite(s): None
This course covers basic AC/DC circuit principles and practices. Students will explore areas of electrical and electronic circuits including: circuit theory, components, circuit construction and analysis, proper test equipment usage, troubleshooting methodology, and applications in various technical fields.

**Units**

**Min Units:**
3

**Max Units:**
3

## ELM112 - Electrical Theory, DC

### General

**Subject code**
ELM

**Catalog Number**
112

**Long Description (Catalog Description)**
Prerequisite(s): None
The study of matter, atomic structure, electron theory, source of electricity, and magnetism. Theory and shop application in Ohm's Law, voltage, current, resistance, and power in series, parallel, and series-parallel direct current circuits.

**Units**

**Min Units:**
3

**Max Units:**
3

## ELM121 - Circuit Design

### General

**Subject code**
ELM

**Catalog Number**
121

**Long Description (Catalog Description)**
Prerequisite(s): Recommend ELM 110 or ELM 112 or concurrent enrollment
Covers the basics of circuit design for automated systems. Integrates the use of elementary electrical and electronic devices as switches, relays, resistors, capacitors, inductors as well as sensors and filters.

**Units**

**Min Units:**
3

**Max Units:**
3

## ELM127 - Introduction to AC Controls

### General

**Subject code**
ELM

**Catalog Number**
127

**Long Description (Catalog Description)**
Prerequisite(s): None
Familiarizes students with critical electronic components in an industrial control setting. Control of electric motors is explored through the use of schematic symbols, diagrams, relay logic and solderless circuit boards. Students conduct laboratory experiments, building control circuits and learn troubleshooting methodologies.

**Units**

**Min Units:**
3

**Max Units:**
3

## ELM129 - Electric Motors & Drives

### General

**Subject code**
ELM

**Catalog Number**
129

**Long Description (Catalog Description)**
Prerequisite(s): ELM 110 and Math proficiency are recommended
An introduction to electric motor and variable frequency drives. Topics include how to connect, configure, adjust and operate variable frequency drives for motor operation.

**Units**

**Min Units:**
3

**Max Units:**
3

## ELM131 - National Electric Code

### General

**Subject code**
ELM

**Catalog Number**
131

**Long Description (Catalog Description)**
Prerequisite(s): Must be admitted to an approved apprenticeship program.
Survey of the National Electric Code (NEC) and its application to the safe installation of electrical conductors and equipment.

### Units

**Min Units:**
3

**Max Units:**
3

## ELM134 - Programmable Logic Controllers I

### General

**Subject code**
ELM

**Catalog Number**
134

**Long Description (Catalog Description)**
Prerequisite(s): ELM 127
Covers the fundamentals of digital logic and an introduction to programmable logic controllers (PLCs) in a complex mechatronic system. Students will learn the role PLCs play within a mechatronic system or subsystem; will explore basic elements of PLC functions by writing and testing programs to control them; identify malfunctioning PLCs, applying troubleshooting strategies to identify and localize problems caused by PLC hardware.

### Units

**Min Units:**
3

**Max Units:**
3

## ELM136 - Programmable Logic Controllers II

### General

**Subject code**
ELM

**Catalog Number**
136

**Long Description (Catalog Description)**
Prerequisite(s): ELM 134
A continuation of ELM 134. Provides intermediate level skills in Programmable Logic Control (PLC) programming instruction and control concepts. Explores the advanced elements of PLC functions by writing and testing programs to control them. Emphasis placed on programming structure, instructions, and execution. Utilize advanced simulation software to develop and execute various PLC programs. Apply troubleshooting strategies to identify and localize problems caused by PLC hardware.

### Units

**Min Units:**
3

**Max Units:**
3

## ELM140 - Industrial Robotics

### General

**Subject code**
ELM

**Catalog Number**
140

**Long Description (Catalog Description)**
Prerequisite(s): ELM 110 and Math proficiency are recommended
An introductory course for industrial robotics. Students will learn how to safely test and operate various elements of industrial robotics.

### Units

**Min Units:**
3

**Max Units:**
3

## ELM143 - Wiring Techniques

### General

**Subject code**
ELM

**Catalog Number**
143

**Long Description (Catalog Description)**
Prerequisites(s): AIT 101
Introduces the concepts of industrial electrical. The course will describe the function of electrical prints, panels, the wiring between panels, and wire color coding. Students will be introduced to concepts in control system wiring fundamentals, wiring between and outside panels, panel wiring, wire bundling and experience a projetct in how to wire an electrical machine.

### Units

**Min Units:**
2

**Max Units:**
2

## ELM198 - SPECIAL TOPICS IN ELECTRICAL AND MECHANICAL TECHNOLOGY

### General

**Subject code**
ELM

**Catalog Number**
198

**Long Description (Catalog Description)**
Prerequisite(s): Must be admitted to an approved apprenticeship program.
Basic understanding and hands-on experience of current theories in electrical and mechanical technologies as well as advanced technologies utilized in industry.

### Units

**Min Units:**
0.5

**Max Units:**
4

## ENRG110 - Introduction to Alternative Energy

### General

**Subject code**
ENRG

**Catalog Number**
110

**Long Description (Catalog Description)**
Introduces alternative and sustainable energy sources and systems, including renewable approaches such as solar and wind.

**Units**

**Min Units:**
3

**Max Units:**
3

## ENRG140 - Battery Basics

### General

**Subject code**
ENRG

**Catalog Number**
140

**Long Description (Catalog Description)**
Prerequisites: ELM 110; This course provides comprehensive training on the safe disassembly of rechargeable batteries, with a focus on electric vehicle (EV) battery packs. Students will learn to identify hazards, implement safety protocols, and utilize appropriate tools and personal protective equipment (PPE). The course covers key topics, including battery construction, electrical safety, discharge methods, and recycling practices. Designed for professionals in battery recycling and manufacturing, this training emphasizes safety, efficiency, and environmental sustainability.

**Units**

**Min Units:**
1

**Max Units:**
1

## ENRG141 - Chemical Operator

### General

**Subject code**
ENRG

**Catalog Number**
141

**Long Description (Catalog Description)**
This hands-on training program equips workers with the essential skills and knowledge to operate safely and effectively in chemical processing environments, particularly in battery recycling and manufacturing. Topics include process safety, PPE use, spill and emergency response, basic process variables (temperature, pressure, flow, etc.), equipment operation (tanks, pumps, valves), line breaking, liquid sampling, and cleanroom practices. This course also covers foundational science, root cause analysis, P&ID reading, and an introduction to process control systems (PLCs, HMIs, I/O).

**Units**

**Min Units:**
3

**Max Units:**
3

## ENRG160 - Building Science Principles

### General

**Subject code**
ENRG

**Catalog Number**
160

**Long Description (Catalog Description)**
This introductory course prepares students to develop a comprehensive view of the importance of energy auditing and retrofit work in improving home energy efficiency as well as understanding how all of the systems (e.g. HVAC, insulation, appliances) affect the comfort, health, and safety of occupants and durability of the home. This course prepares students for success on the BPI Building Science Principles Certificate of Knowledge examination.

**Units**

**Min Units:**
1

**Max Units:**
1

## ENRG161 - Building Analyst Technician

### General

**Subject code**
ENRG

**Catalog Number**
161

**Long Description (Catalog Description)**
Prerequisites: ENRG 160 or BPI Building Science Principles certification (or other national equivalent). Students can take this course concurrently with the prerequisite with instructor approval.
This course prepares students to conduct residential building science-based diagnostic tests and home performance data collection and for success on the nationally recognized BPI BA-T Certification examination.

**Units**

**Min Units:**
3

**Max Units:**
3

## ENRG162 - Building Analyst Professional

### General

**Subject code**
ENRG

**Catalog Number**
162

**Long Description (Catalog Description)**
Prerequisites: ENRG 160 or BPI Building Science Principles certification (or other national equivalent) and ENRG 161 or BPI BA-T certification (or other national equivalent). Students can take this course concurrently with the prerequisites with instructor approval.
This course prepares students to use energy modeling software to model the energy upgrade potential of a home, develop a scope of work and for success on the nationally recognized BPI BA-P Certification examination.

**Units**

**Min Units:**
1

**Max Units:**
1

## ENRG164 - Building Infiltration & Duct Leakage

### General

**Subject code**
ENRG

**Catalog Number**
164

**Long Description (Catalog Description)**
Prerequisites: ENRG 160 or BPI Building Science Principles certification (or other national equivalent), ENRG 161 or BPI BA-T certification (or other national equivalent) and ENRG 162 or BPI BA-P certification (or other national equivalent). Students can take this course concurrently with the prerequisites with instructor approval.
This course prepares students to test building airflow using blower door and pressure diagnostics, duct testing, and tightness verification, and for success on the BPI Infiltration and Duct Leakage (BPI IDL) Certification examination.

### Units

**Min Units:**
1

**Max Units:**
1

## ENRG165 - Professional Home Energy Auditor

### General

**Subject code**
ENRG

**Catalog Number**
165

**Long Description (Catalog Description)**
Prerequisites: ENRG 160 or BPI Building Science Principles certification (or other national equivalent), ENRG 161 or BPI BA-T certification (or other national equivalent) and ENRG 162 or BPI BA-P certification (or other national equivalent). Students can take this course concurrently with the prerequisites with instructor approval.
This course prepares students to learn the most advanced methods for testing buildings and be prepared for success on the HEP Energy Auditor certification.

### Units

**Min Units:**
3

**Max Units:**
3

## ENRG166 - Energy Auditor Leadership

### General

**Subject code**
ENRG

**Catalog Number**
166

**Long Description (Catalog Description)**
Prerequisites: ENRG 160 or BPI Building Science Principles certification (or other national equivalent), ENRG 161 or BPI BA-T certification (or other national equivalent) and ENRG 162 or BPI BA-P certification (or other national equivalent). Students can take this course concurrently with the prerequisites with instructor approval.
This course prepares students to integrate all elements of the Energy Audit Process, data collection and recommendations for improvements to develop a scope of work, understand how to execute the project, and verify that all work has been completed with an emphasis on ensuring quality in completed work. Students will also be prepared for success on the BPI Crew Leader certification examination which is supported by the US Department of Energy and its National Renewable Energy Laboratory.

### Units

**Min Units:**
2

**Max Units:**
2

## ENRG167 - Home Energy Audit Quality Control Inspection

### General

**Subject code**
ENRG

**Catalog Number**
167

**Long Description (Catalog Description)**
Prerequisites: ENRG 160 or BPI Building Science Principles certification (or other national equivalent), ENRG 161 or BPI BA-T certification (or other national equivalent) and ENRG 162 or BPI BA-P certification (or other national equivalent). Students can take this concurrently with the prerequisites with instructor approval.
This course prepares students to become a quality control inspector with the skills to ensure the completion, appropriateness and quality of residential home energy upgrade work through use of methodological inspection of the building including performing safety and diagnostic tests and observing work performed. The course also prepares students for success on the BPI Home Energy Auditor Quality Control Inspection Certification examination.

### Units

**Min Units:**
1

**Max Units:**
1

## ENT200 - Fundamentals of Entrepreneurship

### General

**Subject code**
ENT

**Catalog Number**
200

**Long Description (Catalog Description)**
Explores the basics of entrepreneurship, introducing students to the various aspects and activities involved. Looks at the characteristics of entrepreneurs, the cycle of entrepreneurship, idea generation and validation of an idea's ability to be successful, how to present a business idea to potential investors and how to take the plunge.

### Units

**Min Units:**
3

**Max Units:**
3

## EPD162 - PPST/Praxis I Reading Review

### General

**Subject code**
EPD

**Catalog Number**
162

**Long Description (Catalog Description)**
Prerequisites: None
Review of reading, vocabulary, comprehension, and test-taking strategies in preparation for taking the PPST/Praxis I Reading Exam. This course is graded as Pass/Fail.

### Units

**Min Units:**
1

**Max Units:**
1

## EPD163 - PPST/Praxis I Writing Review

### General

**Subject code**
EPD

**Catalog Number**
163

**Long Description (Catalog Description)**
Prerequisites: None
Review of writing skills and test-taking strategies in preparation for taking the PPST/Praxis I Writing Exam. This course is graded as Pass/Fail.

### Units

**Min Units:**
1

**Max Units:**
1

## EPD164 - PPST/Praxis I Math Review

### General

**Subject code**
EPD

**Catalog Number**
164

**Long Description (Catalog Description)**
Prerequisites: None
Review of math concepts, solving problems, quantitative reasoning, and test-taking strategies in preparation for taking the PPST/Praxis I Math Exam. This course is graded as Pass/Fail.

### Units

**Min Units:**
1

**Max Units:**
1

## EPD276 - Management Methods for Substitutes

### General

**Subject code**
EPD

**Catalog Number**
276

**Long Description (Catalog Description)**
Offers practical methods and ready-to-use ideas for K-12 substitutes, including models of discipline, attentions signals, active participation, instant ideas, transition activities, methods for dealing with problem behavior, and inclusion strategies.

### Units

**Min Units:**
0.5

**Max Units:**
3

## EPD295 - Special Topics in Educational Professional Development

### General

**Subject code**
EPD

**Catalog Number**
295

**Long Description (Catalog Description)**
Covers selected topics in education and critical and current issues in education. Repeatable as topics vary.

### Units

**Min Units:**
1

**Max Units:**
6

## EPD400 - Curriculum, Instruction, and Assessment Projects for Educators

### General

**Subject code**
EPD

**Catalog Number**
400

**Long Description (Catalog Description)**
Prerequisite: Educator within the Nevada Department of Education System or permission of instructor.
Offers insight and methods for improving curriculum design and delivery. Provides students opportunities to design and refine assessment projects for PreK-12 curriculum. Project-based course.
May be repeated up to three units.

**Units**

**Min Units:**
1

**Max Units:**
3

## EPD410 - Contemporary Pedagogical Strategies

### General

**Subject code**
EPD

**Catalog Number**
410

**Long Description (Catalog Description)**
Prerequisite: Instructor Approval
Students choose a book(s) to study for professional growth. Each book chosen will include weekly reflections of required reading, lab work, and a self-designed final project. Weekly online discussions required.

**Units**

**Min Units:**
1

**Max Units:**
3

## ET104 - Fabrication and Soldering Techniques

### General

**Subject code**
ET

**Catalog Number**
104

**Long Description (Catalog Description)**
Introduces electronic fabrication skills, tool operations applied to fabrication techniques of simple circuit boards, reading of schematic diagrams, soldering, drafting and wire wrapping.

**Units**

**Min Units:**
3

**Max Units:**
3

## ET117 - Computer forensics

### General

**Subject code**
ET

**Catalog Number**
117

**Long Description (Catalog Description)**
Introduction to the concept of using computer forensics to conduct a successful computer investigation. Covers acquiring digital evidence and reporting its findings. Covers fundamentals of setting up a forensics lab, acquiring the proper and necessary tools, and how to conduct an investigation and subsequent digital analysis.

**Units**

**Min Units:**
3

**Max Units:**
3

## ET131 - Dc for Electronics

### General

**Subject code**
ET

**Catalog Number**
131

**Long Description (Catalog Description)**
Familiarizes students with fundamentals of electronics including how to read resistor color codes, decipher capacitor values, and use electronic schematics to build simple electronic devices. Students conduct laboratory experiments to apply theoretical concepts and will use standard or simulated laboratory instruments such as multimeters. Covers Ohm's Law and Kirchhoff's Laws of voltage and current, and simple series and parallel circuits.

**Units**

**Min Units:**
3

**Max Units:**
6

## ET132 - Ac for Electronics

### General

**Subject code**
ET

**Catalog Number**
132

**Long Description (Catalog Description)**
Prerequisites: ET131 or consent of instructor
Familiarizes students with important electronic components, their schematic symbols and how to wire circuits on a solderless circuit board using diagrams. Introduces semiconductors, diodes, and basic theory of transistors and transistor amplifier configurations. Students conduct laboratory experiments and build electronic circuits utilizing these components. Soldering is introduced.

**Units**

**Min Units:**
4

**Max Units:**
4

## ET155 - Home Technology Convergence

### General

**Subject code**
ET

**Catalog Number**
155

**Long Description (Catalog Description)**
Introduction to the components and technologies that make up the "Smart Home". The convergence of home entertainment audio/visual equipment, surveillance and security systems, computer networks, and telecommunications will be taught in both theory and application. Students will build, configure and install cables, wallplates, jacks, control modules and equipment to bring alive the multiple technologies commonly used in a home or small office environment.

**Units**

**Min Units:**
4

**Max Units:**
4

## ET198 - Spec Topics: Electronics

### General

**Subject code**
ET

**Catalog Number**
198

**Long Description (Catalog Description)**
Explores various topics of current interest/demand in Electronics Technology.

**Units**

**Min Units:**
1

**Max Units:**
6

## ET200 - Electronics Projects

### General

**Subject code**
ET

**Catalog Number**
200

**Long Description (Catalog Description)**
Prerequisites: ET131 or consent of instructor
Studies special projects in Electronics Technology.

**Units**

**Min Units:**
0.5

**Max Units:**
6

## FIN101 - Personal Finance

### General

**Subject code**
FIN

**Catalog Number**
101

**Long Description (Catalog Description)**
Introduces personal financial planning. Emphasizes budgeting, obtaining credit, buying decisions for a home, auto or other large purchases, investment decisions, and retirement planning.

**Units**

**Min Units:**
3

**Max Units:**
3

## FIN115 - Introduction to Investments

### General

**Subject code**
FIN

**Catalog Number**
115

**Long Description (Catalog Description)**
Helps students understand the theoretical concepts and analytical foundations necessary for further study in the field. It will provide an overall picture of securities markets, institutions, processes and mechanisms on how stocks and bonds are bought and sold.

**Units**

**Min Units:**
3

**Max Units:**
3

## FIN310 - Applied Accounting and Finance

### General

**Subject code**
FIN

**Catalog Number**
310

**Long Description (Catalog Description)**
Prerequisites: Admission to BAS Organization and Project Management Program
Designed to provide the keys, concepts and tools used in understanding the financial functions of a business enterprise. Introduces the essential concepts necessary in understanding formal financial statements from the user's perspective.

**Units**

**Min Units:**
3

**Max Units:**
3

## FS107 - Fire Service Communication Skills

### General

**Subject code**
FS

**Catalog Number**
107

**Long Description (Catalog Description)**
Develops interpersonal communication skills of speaking and listening through preparing and presenting both oral and written reports. Studies government structure; covers verbal and non-verbal communication, encoding and decoding. Develops presentation methods and selection of delivery process. Studies how to communicate ideas effectively.

**Units**

**Min Units:**
3

**Max Units:**
3

## FT101 - Principles of Emergency Services

### General

**Subject code**
FT

**Catalog Number**
101

**Long Description (Catalog Description)**
Prerequisites: None
Provides an overview of 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 and life safety initiatives. FESHE Core Course.

**Units**

**Min Units:**
3

**Max Units:**
3

## FT104 - Nevada Firefighter I

### General

**Subject code**
FT

**Catalog Number**
104

**Long Description (Catalog Description)**
Prerequisites: FT 101
Designed to familiarize the student with the general rules and regulations of fire fighting, use and explanation of forcible entry, protective breathing apparatus, fire streams, first aid, ropes, salvage, fire hose, nozzles and apparatus, ladders, ventilation, inspection, rescue, sprinklers, fire alarms and communications, safety and fire behavior.

**Units**

**Min Units:**
3

**Max Units:**
3

## FT105 - Fire Behavior and Combustion

### General

**Subject code**
FT

**Catalog Number**
105

**Long Description (Catalog Description)**
Prerequisites: None
Explores the theories and fundamentals of how and why fires start, spread and are controlled. FESHE Core Course

**Units**

**Min Units:**
3

**Max Units:**
3

## FT106 - Firefighter Academy I

### General

**Subject code**
FT

**Catalog Number**
106

**Long Description (Catalog Description)**
Prerequisites: EMS 108 or current State of Nevada EMT certification FT 101, and FT 109 OR EMS 108 or current State of Nevada EMT certification and six months of firefighting experience and Candidate Physical Abilities Test (CPAT) certification within 12 months of the course start date.

Corequisite: FT 131

This course combines lecture with hands on firefighting skills to meet the requirements of the Nevada State Fire Training Firefighter I and the National Fire Protection Association (NFPA). Topics include fire service organization, fire safety, tools and equipment, fire prevention, incident management systems, wildland fire fighting and fire suppression techniques. Students who successfully complete the Academy are eligible for Nevada State Fire Marshal certification as a Firefighter I and National Wildfire Coordinating Group (NWCG) certificates S-110, S-130 and S-190)

**Units**

**Min Units:**
12

**Max Units:**
12

## FT109 - Internship in the Fire Science

### General

**Subject code**
FT

**Catalog Number**
109

**Long Description (Catalog Description)**
Prerequisites: FT 101
Provides work experience and skills signoffs that meet the National Fire Protection Association's Firefighter I criteria. Course qualifies students to take the Nevada Fire Fighter I exam. Students must have proof of insurance.

**Units**

**Min Units:**
1

**Max Units:**
1

## FT110 - Basic Wildland Firefighting

### General

**Subject code**
FT

**Catalog Number**
110

**Long Description (Catalog Description)**
Prerequisites: None
Addresses the basic elements of wildland fire protection, fire behavior, department organization, apparatus and equipment, fire safety and incident command organization.

**Units**

**Min Units:**
3

**Max Units:**
3

## FT121 - Fire Prevention

### General

**Subject code**
FT

**Catalog Number**
121

**Long Description (Catalog Description)**
Prerequisites: None
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.

### Units

**Min Units:**
3

**Max Units:**
3

## FT125 - Building Construction for Fire Prevention

### General

**Subject code**
FT

**Catalog Number**
125

**Long Description (Catalog Description)**
Prerequisites: None
Presents 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.

### Units

**Min Units:**
3

**Max Units:**
3

## FT131 - Hazardous Materials Chemistry

### General

**Subject code**
FT

**Catalog Number**
131

**Long Description (Catalog Description)**
Prerequisites: EMS 108 or current State of Nevada EMT certification FT 101, and FT 109 OR EMS 108 or current State of Nevada EMT certification and six months of firefighting experience and Candidate Physical Abilities Test (CPAT) certification within 12 months of the course start date.
Corequisite: FT 106

This course teaches the skills and competencies firefighters need to to be first on the scene of an emergency involving hazardous materials and respond defensively to protect citizens, the environment and property; control the chemical release; and keep it from spreading. Course content aligns with FESHE and NFPA 472 competencies for First Responder Awareness (FRA) and Operational (FRO) levels. This course qualifies the student to take the state Fire Marshal Hazardous Materials Awareness and Operations State Exam.

### Units

**Min Units:**
3

**Max Units:**
3

## FT152 - Legal Aspects of Emergency Services

### General

**Subject code**
FT

**Catalog Number**
152

**Long Description (Catalog Description)**
Prerequisites: FT 101 or Instructor Approval
Addresses 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.

### Units

**Min Units:**
3

**Max Units:**
3

## FT154 - Principles of Fire and Emergency Services, Safety and Survival

### General

**Subject code**
FT

**Catalog Number**
154

**Long Description (Catalog Description)**
Prerequisites: None
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.

### Units

**Min Units:**
3

**Max Units:**
3

## FT224 - Fire Protection Systems

### General

**Subject code**
FT

**Catalog Number**
224

**Long Description (Catalog Description)**
Prerequisites: None
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.

### Units

**Min Units:**
3

**Max Units:**
3

## FT291 - Fire and Emergency Services Administration

### General

| Subject code | Catalog Number |
| --- | --- |
| FT | 291 |

**Long Description (Catalog Description)**
Prerequisites: None
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 on fire and emergency service, ethics and leadership from the perspective of the company officer. FESHE Non-Core Course.

### Units

| Min Units: | Max Units: |
| --- | --- |
| 3 | 3 |

## GRC116 - Introduction to Digital Art and Design

### General

| Subject code | Catalog Number |
| --- | --- |
| GRC | 116 |

**Long Description (Catalog Description)**
Prerequisites: Basic Computer Skills
Introduces students to the Adobe Creative Cloud Software (Illustrator, InDesign, Photoshop and Acrobat). Students will explore design ideation, process, and effective design thinking and analysis as it relates to Graphic Design. Presents projects and design exercises that will increase student's technical fluency in industry-standards for Graphic Design software applications.

### Units

| Min Units: | Max Units: |
| --- | --- |
| 3 | 3 |

## GRC175 - Web Design I

### General

| Subject code | Catalog Number |
| --- | --- |
| GRC | 175 |

**Long Description (Catalog Description)**
Prerequisites: Basic computer skills. Recommended: GRC 116 and GRC 200.
Introduction to authoring for the World Wide Web using industry standard software applications. Topics covered include planning, designing and building a Web site, aesthetics, creating and optimizing computer graphics for Web, information architecture, navigation and interactivity, Web publishing, Web hosting and site management.

### Units

| Min Units: | Max Units: |
| --- | --- |
| 3 | 3 |

## GRC200 - Design Thinking and Methodologies

### General

| Subject code | Catalog Number |
| --- | --- |
| GRC | 200 |

**Long Description (Catalog Description)**
Prerequisites: GRC 116
Builds upon the skills and processes learned in GRC 116. Further investigation and advanced techniques of Adobe Creative Cloud Software (Illustrator, InDesign, Photoshop and Acrobat). Course broadens techniques for design ideation, process, and effective design thinking and analysis. Class will present projects and design exercises that will increase student's technical fluency in industry-standards for Graphic Design software applications. Designed to increase conceptual thinking and improve technical skillsets.

### Units

| Min Units: | Max Units: |
| --- | --- |
| 3 | 3 |

## GRC210 - Typography I

### General

| Subject code | Catalog Number |
| --- | --- |
| GRC | 210 |

**Long Description (Catalog Description)**
Prerequisites: GRC 116
Introduces students to designing with type for graphic design. Offers readings that outline the historical context of letter forms, while studio-based projects focus on practical analysis, visual and conceptual interaction of type and image, and the creative exploration of type as a formal element.

### Units

| Min Units: | Max Units: |
| --- | --- |
| 3 | 3 |

## GRC220 - Graphic Design I

### General

| Subject code | Catalog Number |
| --- | --- |
| GRC | 220 |

**Long Description (Catalog Description)**
Prerequisites: GRC 116, GRC 200, GRC 210
Emphasizes principles and language of graphic design. Provides further development of an understanding of visual communications theories, processes and methods using current industry technologies. Focuses on advancing student's ability, using research and thumbnails, to devise and produce wide varieties of solutions to visual problems through assigned graphic design projects.

### Units

| Min Units: | Max Units: |
| --- | --- |
| 3 | 3 |

## GRC282 - Motion Graphics for Video

### General

**Subject code**
GRC

**Catalog Number**
282

**Long Description (Catalog Description)**
Prerequisites: None
Offers principles of visual design and color, animation and sound design applied to motion graphic design. Emphasis on designing projects that combine text, graphics, animation, audio and video. Hands-on projects using multimedia authoring software.

### Units

**Min Units:**
3

**Max Units:**
3

## GRC294 - Professional Portfolio

### General

**Subject code**
GRC

**Catalog Number**
294

**Long Description (Catalog Description)**
Prerequisites: minimum of 21 credits of GRC design/production classes or consent of instructor
Focuses on the development of a portfolio for employment in the graphics communications field. Professional and legal requirements will be explored.

### Units

**Min Units:**
3

**Max Units:**
3

## HDFS201 - Life Span Human Development

### General

**Subject code**
HDFS

**Catalog Number**
201

**Long Description (Catalog Description)**
Studies human growth over the life span covering the biological influences on development and the processes of intellectual and social development. Reviews the family system and explores major challenges and developmental issues facing families today.

### Units

**Min Units:**
3

**Max Units:**
3

## HDFS202 - Introduction to Families

### General

**Subject code**
HDFS

**Catalog Number**
202

**Long Description (Catalog Description)**
Explores the dynamics of development, interaction, and intimacy of primary relationships in contextual and theoretical frameworks, societal issues and choices facing diverse family systems. This course is taught from a bio-psycho-social approach within the family ecological system context. It incorporates issues relevant to international families and diverse family arrangements within North America. Traditional issues of families are reframed, reconstructed, and questioned. Application of ideas to those working with families in a variety of settings including: physical health, mental health, economic and educational arenas.

### Units

**Min Units:**
3

**Max Units:**
3

## HDFS232 - Diversity and the Young Child - a Multicultural Perspective

### General

**Subject code**
HDFS

**Catalog Number**
232

**Long Description (Catalog Description)**
Considers the development of young children from the prenatal period through age 8, focusing on diversity among children. Diversity will be explored in cultural, ethnic and linguistic variations as well as differences in ability and typical/atypical development. Students will seek to understand development and its cultural variations so that teaching young children will be more effective, empathic and aware. This course will explore the many ways of growing up and the worldwide diversity of that process.

### Units

**Min Units:**
3

**Max Units:**
3

## INF100 - Introduction to Informatics I - Basic Concepts

### General

**Subject code**
INF

**Catalog Number**
100

**Long Description (Catalog Description)**
Deals with the nature of Informatics withing the information technology space. Addresses the core concept of integration of people, technology and information. Emphasizes the practical dimension of Informatics, real problems, and the socio-economic situations in which they arise. Presents a variety of Informatics tools from a variety of domains, and their implications for science, engineering, art, the humanities and society.

### Units

**Min Units:**
3

**Max Units:**
3

## IS101 - Introduction to Information Systems

### General

**Subject code**
IS

**Catalog Number**
101

**Long Description (Catalog Description)**
Introduces the student to the role of computers in today's technology-driven environment, allowing for hands on lab experience. Students will be introduced to the Internet, distance education, and the World Wide Web for research, along with operating systems, word processing, spreadsheets, database and basic multi-media. Upon successful completion of this course, the student will be able to demonstrate basic computer survival skills, understand computer terminology, and create data using a variety of software.

**Units**

**Min Units:**
3

**Max Units:**
3

## IS201 - Computer Applications

### General

**Subject code**
IS

**Catalog Number**
201

**Long Description (Catalog Description)**
Prerequisites: IS101 or experience in office software.
Develops the student's knowledge in integrated office productivity software. Topics will cover word processing, database, spreadsheets and working with macro programming. Coursework or experience using office software is essential for successful completion and gives students the foundation to pass expert level certification tests.

**Units**

**Min Units:**
3

**Max Units:**
3

## IS301 - Management Information Systems

### General

**Subject code**
IS

**Catalog Number**
301

**Long Description (Catalog Description)**
Prerequisite: Admission to BAS Organization and Project Management program
Introduces business applications, computers in organizations, systems development theory and practice, application develop methodology, changing technology, and concerns about computer security and privacy.

**Units**

**Min Units:**
3

**Max Units:**
3

## IT208 - Fluid Power

### General

**Subject code**
IT

**Catalog Number**
208

**Long Description (Catalog Description)**
Prerequisites: None
Reviews fluid power mechanics with an emphasis on schematic symbols, circuit operation and design, pneumatic and hydraulic component theory and operation, and industry terminology.

**Units**

**Min Units:**
1

**Max Units:**
3

## MGT103 - Small Business Management

### General

**Subject code**
MGT

**Catalog Number**
103

**Long Description (Catalog Description)**
Prerequisite: BUS 101 or consent of instructor.
Develops an understanding of the small business enterprise with emphasis on how such businesses are started and managed successfully, including planning, finance, marketing, administrative control, and other type of activities.

**Units**

**Min Units:**
3

**Max Units:**
3

## MGT201 - Principles of Management

### General

**Subject code**
MGT

**Catalog Number**
201

**Long Description (Catalog Description)**
Prerequisite: BUS 101 or consent of instructor.
Studies fundamentals and principles of management; administrative policies, objectives and procedures, and problems of organization control and leadership. MGT 201 is accepted in lieu of MGRS 301 (UNR) or MGT 401 (UNLV) upon validation of content and knowledge by approved College of Business examination, or satisfactory performance ("C" or better) in MGRS 352 (UNR) or MGT 452 (UNLV) during the first year of eligibility to enroll in the appropriate upper division business course at the University of Nevada, Reno or the University of Nevada, Las Vegas.

**Units**

**Min Units:**
3

**Max Units:**
3

## MGT212 - Leadership & Human Relations

### General

**Subject code**
MGT

**Catalog Number**
212

**Long Description (Catalog Description)**
Prerequisite: BUS 101 and MGT 201 or consent of instructor.
Schools students on understanding and managing human behavior in organizations. Central to the course is developing a better understanding of one's self as a leader and exploring some of the more effective ways of leading others.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT235 - Organizational Behavior

### General

**Subject code**
MGT

**Catalog Number**
235

**Long Description (Catalog Description)**
Prerequisites:BUS 101 and MGT 201 or consent of instructor.
Studies concepts, theories and case studies concerning the behavior of people in modern business organizations. Analyzes the internal organization structure, and managerial roles and functions, in the business and other goal-oriented institutions. Studies theory and design of organizational structure, impact of work flow, leadership styles, and control systems on human behavior.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT283 - Introduction to Human Resources Management

### General

**Subject code**
MGT

**Catalog Number**
283

**Long Description (Catalog Description)**
Prerequisite: BUS 101 and MGT 201 or consent of instructor.
Develops an understanding of the duties and responsibilities of personnel at the mid-management level.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT310 - Foundations of Management Theory and Practice

### General

**Subject code**
MGT

**Catalog Number**
310

**Long Description (Catalog Description)**
Prerequisites: Admission to BAS Organization and Project Management Program

Develops the theoretical foundation development for further study in any field involving management. Explores historical thought and the management of functions of planning, organizing, directing, and controlling. Provides a practical analysis of leadership, communications, and motivation techniques. Concludes with an exploration of current management challenges and trends.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT320 - Organization and Project Management

### General

**Subject code**
MGT

**Catalog Number**
320

**Long Description (Catalog Description)**
Prerequisite: Admission to BAS Organization and Project Management Program
Focuses on the key drivers of a successful organization. Emphasizes organization theories and models to analyze and improve performance in the organization. skills and Knowledge of project management and introduced and linked to organization performance.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT323 - Orgnztional Bhvr & Interpersonal Bhvr

### General

**Subject code**
MGT

**Catalog Number**
323

**Long Description (Catalog Description)**
Prerequisite: Admission to the Organization & Project Management program OR admission to the Construction Management program OR consent of Division Director.
Examines behavioral influences which affect productivity, organizational effectiveness, and efficiency including: perception, motivation, decision making, communication, leadership, organizational design, group behavior and coping with stress.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT367 - Human Resource Management

### General

**Subject code**
MGT

**Catalog Number**
367

**Long Description (Catalog Description)**
Prerequisites: MGT 323
Considers theoretical concepts and practical approaches relevant to management systems and processes; recruitment, training, appraisal, compensation and labor relations. Emphasis on legal constraints and international management.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT371 - Leadership and Managerial Skills

### General

**Subject code**
MGT

**Catalog Number**
371

**Long Description (Catalog Description)**
Prerequisites: Admission to BAS Organizational and Project Management Program or permission of division director and MGT 310
Focuses on the skills of effective leaders and managers. Emphasis on leadership emergence in work settings, how to lead and manage others effectively, and leadership challenges in the contemporary business landscape such as the intersection of leadership with ethics.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT391 - Quantitative Analysis

### General

**Subject code**
MGT

**Catalog Number**
391

**Long Description (Catalog Description)**
Prerequisite: Admission to BAS Organization and Project Management Program and MATH 120 or higher

Covers identification and formulation of decision problems, introduction to the use of quantitative tools in business including linear programming, non-linear programming, game theory, and similar techniques; construction of quantitative models and their relationship to the use of electronic computers in business decision making.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT412 - Change Management

### General

**Subject code**
MGT

**Catalog Number**
412

**Long Description (Catalog Description)**
Prerequisites: Admission to BAS Organizational and Project Management Program
Explores critical issues in institutional change, including change management, change readiness and change resistance. Designed to provide techniques and principles on how to introduce change into organizations.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT462 - Changing Environments

### General

**Subject code**
MGT

**Catalog Number**
462

**Long Description (Catalog Description)**
Prerequisites: Admission to the Organization & Project Management program OR admission to the Construction Management program OR consent of Division Director.
Focuses on managing ethically in the changing cultural, economic, political, technological and global environments of business.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT469 - Managing Cultural Diversity

### General

**Subject code**
MGT

**Catalog Number**
469

**Long Description (Catalog Description)**
Prerequisites: Admission to the Construction Management program OR consent of Division Director.
Provides an understanding of cultural diversity by studying the U.S. workforce. Emphasizes cultural differences in the workplace, valuing diversity, managing diversity in the workplace, and giving competitive advantages.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT480 - International Management

### General

**Subject code**
MGT

**Catalog Number**
480

**Long Description (Catalog Description)**
Prerequisites: Admission to BAS Organization and Project Management Program, MGT 310
Investigation and identification of environment and internal functions of international organization. Emphasis on management challenges for international organizations; major focus on comparing international management approaches.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT482 - Leadership Capstone

### General

**Subject code**
MGT

**Catalog Number**
482

**Long Description (Catalog Description)**
Prerequisites: Admissions to the Bachelor of Applied Science degree program.; Based on the premise that leadership skills can be learned, students will develop a student-centered educational project of their choice to demonstrate the key aspects they have learned in the Bachelor of Applied Science Organization and Project Management.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT485 - Applied Business Ethics

### General

**Subject code**
MGT

**Catalog Number**
485

**Long Description (Catalog Description)**
Prerequisites: Admission to BAS Organization and Project Management Program
Provides a specific focus on ethical decision-making, skill development and critical thinking. Examines the ethical problems and conflicts leaders and managers encounter in relating their organizations to a multi-stakeholder environment.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT487 - Entrepreneurship

### General

**Subject code**
MGT

**Catalog Number**
487

**Long Description (Catalog Description)**
Prerequisites: Admission to BAS Organization and Project Management Program.
Comprehensive study of the process of judiciously combining the various factors of production in meeting the needs of consumers in creative and profitable ways. Topics include: characteristics of successful managers, starting a new enterprise, forming an entrepreneurial team, venture capital sources, and formulation of a business plan.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT496 - Strategic Management and Policy

### General

**Subject code**
MGT

**Catalog Number**
496

**Long Description (Catalog Description)**
Prerequisites: Admission to BAS Organization and Project Management Program, FIN 310, MGT 310
Emphasis on the application of knowledge from all functional areas of business to organizational problems and the formulation and implementation of organizational strategies.

### Units

**Min Units:**
3

**Max Units:**
3

## MGT497 - Business Plan Creation

### General

**Subject code**
MGT

**Catalog Number**
497

**Long Description (Catalog Description)**
Prerequisite Admission to BAS Organization and Project Management Program and MGT 310 and FIN 310

Teaches how to create investor quality business plans. Follows a step-by-step process to develop a business plan from an opening executive summary to a financial offering.

### Units

**Min Units:**
3

**Max Units:**
3

## MKT127 - Introduction to Retailing

### General

**Subject code**
MKT

**Catalog Number**
127

**Long Description (Catalog Description)**
Studies an overview of retail merchandising, including buying, pricing, selling, advertising, sales promotion and display principles.

**Units**

**Min Units:**
3

**Max Units:**
3

## MKT210 - Marketing Principles

### General

**Subject code**
MKT

**Catalog Number**
210

**Long Description (Catalog Description)**
Covers the problems of manufacturers, wholesalers, and retailers in the marketing of goods and services. Students will develop a plan applying the marketing principles.

**Units**

**Min Units:**
3

**Max Units:**
3

## MKT250 - Introduction to International Marketing

### General

**Subject code**
MKT

**Catalog Number**
250

**Long Description (Catalog Description)**
Prerequisites: BUS 101 and MKT210 or consent of instructor
Introduces the various functions of marketing as they are performed in the international environment. Focuses on the problems and decisions facing management in international marketing. Considers the impact of difference in language, aesthetics, religion and business customs on marketing strategies.

**Units**

**Min Units:**
3

**Max Units:**
3

## MKT261 - Introduction to Public Relations

### General

**Subject code**
MKT

**Catalog Number**
261

**Long Description (Catalog Description)**
Prerequisite: BUS 101 and MKT 210 or consent of instructor
Introduces the techniques of public relations for those holding supervisory or higher positions in management and marketing. Identifies the principles of creating and maintaining good public relations, including employee-employer relations. Customer-employee relations receive emphasis. Focuses on the programming of the total public relations effort and selecting of appropriate strategy, media and persuasive devices to accomplish objectives.

**Units**

**Min Units:**
3

**Max Units:**
3

## MKT262 - Introduction to Advertising

### General

**Subject code**
MKT

**Catalog Number**
262

**Long Description (Catalog Description)**
Prerequisite: BUS 101 and MKT 210 or consent of instructor
Presents methods and techniques in modern advertising, giving information to do the entire advertising job.

**Units**

**Min Units:**
3

**Max Units:**
3

## MKT295 - Work Experience I

### General

**Subject code**
MKT

**Catalog Number**
295

**Units**

**Min Units:**
1

**Max Units:**
4

## MPT111 - Fundamentals of Manufacturing and Automation I

### General

**Subject code**
MPT

**Catalog Number**
111

**Long Description (Catalog Description)**
Prerequisite(s): None
Introduces the fundamental mechanical and electrical concepts used in industrial applications. This includes the effects of levers and forces on a system; the operation of relay controls; and using basic logic circuits to provide automated control. Simulated tools and lab experiences will be used to apply concepts.

### Units

**Min Units:**
3

**Max Units:**
3

## MPT112 - Fundamentals of Manufacturing and Automation II

### General

**Subject code**
MPT

**Catalog Number**
112

**Long Description (Catalog Description)**
Prequisite(s): MPT 111 or concurrent enrollment
Allows students to practice the concepts of production and automation systems management and controls. Enables students to practice manufacturing skills, including robotic and conveyor systems as well as quality integration. Covers the underlying programming, fluid and mechanical transmission concepts of these systems.

### Units

**Min Units:**
3

**Max Units:**
3

## MPT114 - Fundamentals of Manufacturing and Automation III

### General

**Subject code**
MPT

**Catalog Number**
114

**Long Description (Catalog Description)**
Prerequisite(s): MPT 112 or concurrent enrollment
A continuation of MPT 112. Production and automation systems management and control are further developed.

### Units

**Min Units:**
3

**Max Units:**
3

## MPT160 - Mechanical Drive Systems I

### General

**Subject code**
MPT

**Catalog Number**
160

**Long Description (Catalog Description)**
Prerequisite(s): Recommend ELM 110 or ELM 112
Covers the basics of mechanical components and systems, chain and belt drives in a complex mechatronic system. Teaches the functions and properties of mechanical components and control elements based upon physical principles, and the roles they play within the system. Covers technical documentation such as data sheets, circuit diagrams, displacement step diagrams and function charts while exploring installation, troubleshooting strategies and preventive maintenance.

### Units

**Min Units:**
3

**Max Units:**
3

## MT115 - Industrial And Materials Handling Automation

### General

**Subject code**
MT

**Catalog Number**
115

**Long Description (Catalog Description)**
Prerequisite: AIT 101
Introduces the concepts of Programmable Logic Controllers (PLC) and computerized control operations. Covers basic PLC programming by describing numbering systems, PLC memory organization, PLC programming software and PLC program logic elements.

### Units

**Min Units:**
3

**Max Units:**
3

## MT130 - Introduction to the Natural Gas Industry

### General

**Subject code**
MT

**Catalog Number**
130

**Long Description (Catalog Description)**
Prerequisites: None
Introduces the natural gas industry. Includes history of the gas industry, safety issues, and field operations

### Units

**Min Units:**
3

**Max Units:**
3

## MT132 - Natural Gas Pipe Joining

### General

**Subject code**
MT

**Catalog Number**
132

**Long Description (Catalog Description)**
Prerequisite: MT 130
Introduces the concepts of natural gas pipe joining. Includes plastic pipe and metal pipe joining. Covers types of joining: plastic solvent, compression coupling, heat fusion, welded and bolted.

### Units

**Min Units:**
3

**Max Units:**
3

## MT134 - Natural Gas Line Locating & Leak Survey

### General

**Subject code**
MT

**Catalog Number**
134

**Long Description (Catalog Description)**
Prerequisites: MT 130, MT 132 (May be co-enrolled in MT 132)
Introduces natural gas pipe leak detection. Includes various pipeline leak configurations and subsystems. Key devices/tools used in the detection of leaks are evaluated. Demonstrates classification, grading and surveying of leaks.

### Units

**Min Units:**
3

**Max Units:**
3

## MT160 - Hydraulic Power

### General

**Subject code**
MT

**Catalog Number**
160

**Long Description (Catalog Description)**
Prerequisite: AIT 101
Introduces the concepts of how to connect and operate basic hydraulic components and systems, read circuit diagrams and monitor system operation. Exposes students to key topics in hydraulic power and safety, principles of hydraulic pressure and flow, and hydraulic speed control circuits in a wide array of applications.

### Units

**Min Units:**
3

**Max Units:**
3

## MTT105 - Machine Shop I

### General

**Subject code**
MTT

**Catalog Number**
105

**Long Description (Catalog Description)**
Prerequisite: DFT 110 or Co-requisite of DFT 110; Corequisite: MTT 106 or consent of instructor.
Introduces basic machine shop skills that include lathe operation, lathe speeds and feeds, precision measuring techniques, layout methods, band saw and drill press operations, and exposure to the science of heat-treating of metals. Shop safety and etiquette will be stressed.

### Units

**Min Units:**
3

**Max Units:**
3

## MTT106 - Machine Shop Practice I

### General

**Subject code**
MTT

**Catalog Number**
106

**Long Description (Catalog Description)**
Corequisite: MTT 105. Expands the student's manual skills by putting into practice the theories, and user skills introduced in MTT 105. The emphasis will be geared to a more practical, hands-on experience through the use of lathes, layout techniques, vertical and horizontal band saws, measuring instruments and some vertical mill work. Shop safety and cleanup are always stressed.

### Units

**Min Units:**
2

**Max Units:**
2

## MTT110 - Machine Shop II

### General

**Subject code**
MTT

**Catalog Number**
110

**Long Description (Catalog Description)**
Prerequisite: MTT 105. Corequisite: MTT 111 or consent of instructor.
Expands skills introduced in MTT 105 to an intermediate level and introduces further skills which include vertical mill, drill sharpening, speed feeds and some production methods.

### Units

**Min Units:**
3

**Max Units:**
3

## MTT111 - Machine Shop Practice II

### General

**Subject code**
MTT

**Catalog Number**
111

**Long Description (Catalog Description)**
Corequisites: MTT110
Further develops student's manual skills by putting into practice the theories and user skills introduced MTT 110. The emphasis will be a more practical, hands-on experience through the use of vertical mill work, layout techniques, vertical and horizontal band saws, measuring instruments and some lathes. Shop safety and cleanup are always stressed.

**Units**

**Min Units:**
2

**Max Units:**
2

## MTT230 - Computer Numerical Control I

### General

**Subject code**
MTT

**Catalog Number**
230

**Long Description (Catalog Description)**
Prerequisite: None.
Offers an introductory class to provide a basic understanding of computer numerical control. The student is introduced to the axis systems, absolute and incremental programming, tool offsets, controller operation, and fixture offsets. To better understand CNC programming process, CNC II is recommended as a follow-up. Includes three hours lecture, three hours lab per week.

**Units**

**Min Units:**
4

**Max Units:**
4

## MTT232 - Computer Numerical Control II

### General

**Subject code**
MTT

**Catalog Number**
232

**Long Description (Catalog Description)**
Prerequisite: MTT 230 or consent of instructor.
Provides a continuation of MTT 230. Offers the student additional practical experience for development of skills with additional information and exposure to more complex applications of programming, mirror imaging, polar coordinates, tool compensation, threading and computer integrated manufacturing. Includes 3 hours lecture, 3 hours lab per week.

**Units**

**Min Units:**
4

**Max Units:**
4

## MTT250 - Machine Shop III

### General

**Subject code**
MTT

**Catalog Number**
250

**Long Description (Catalog Description)**
Prerequisites: MTT110 and DFT110 or consent of instructor. Corequisite: MTT 251 or consent of instructor.
Expands skills introduced in MTT 105 and MTT 110 to a more advanced level by developing projects that emphasize tolerances, plan of procedure and blueprint reading. Introduces further skills for surface grinding and tool and cutter grinding.

**Units**

**Min Units:**
3

**Max Units:**
3

## MTT251 - Machine Shop Practice III

### General

**Subject code**
MTT

**Catalog Number**
251

**Long Description (Catalog Description)**
Corequisites: MTT250
Further develops student's manual skills by putting into practice the theories and user skills introduced in MTT 250. The emphasis will be a more practical, hands-on experience through the use of vertical mill work, layout techniques, vertical and horizontal band saws, measuring instruments and lathes. Shop safety and cleanup are always stressed.

**Units**

**Min Units:**
1

**Max Units:**
2

## MTT260 - Machine Shop IV

### General

**Subject code**
MTT

**Catalog Number**
260

**Long Description (Catalog Description)**
Prerequisites: MTT 250 or consent of instructor
Concentrates on areas of interest leading to design of an advanced project emphasizing skills learned in MTT 105, MTT 110 and MTT 250.

**Units**

**Min Units:**
3

**Max Units:**
3

## MTT261 - Machine Projects

### General

**Subject code**
MTT

**Catalog Number**
261

**Long Description (Catalog Description)**
Prerequisites: consent of instructor
Permits students to work on special projects of their own choosing and/or explore areas of special interest under the direction of a college instructor.

**Units**

**Min Units:**
1

**Max Units:**
6

## MTT262 - Machine Shop Practice IV

### General

**Subject code**
MTT

**Catalog Number**
262

**Long Description (Catalog Description)**
Corequisites: MTT260
Allows students additional time to concentrate on areas of interest leading to completion of an advanced project emphasizing skills introduced in MTT 260.

**Units**

**Min Units:**
2

**Max Units:**
2

## MTT291 - Cnc Practice

### General

**Subject code**
MTT

**Catalog Number**
291

**Long Description (Catalog Description)**
Develops computer aided manufacturing skills with hands on instruction on how to design and prepare manufacture parts using state of the art CAD/CAM software. Safety and clean up are stressed.

**Units**

**Min Units:**
2

**Max Units:**
3

## MTT295 - Work Experience

### General

**Subject code**
MTT

**Catalog Number**
295

**Long Description (Catalog Description)**
Prerequisites: consent of instructor
Provides students with on the job, supervised and educationally directed work experience.

**Units**

**Min Units:**
1

**Max Units:**
6

## MTT296 - Computer Numerical Control Practice II

### General

**Subject code**
MTT

**Catalog Number**
296

**Long Description (Catalog Description)**
Prerequisites: MTT 232
This course allows for the further development of CNC skills with hands-on instruction related to the design and production of machined parts using CAD/CAM software, CNC milling machines, and CNC turning centers. Students will plan, program, set up, and produce a variety of precision-machined projects.

**Units**

**Min Units:**
1

**Max Units:**
4

## OSH222 - General Industry Safety

### General

**Subject code**
OSH

**Catalog Number**
222

**Long Description (Catalog Description)**
Prerequisites: None
General safety course for an industrial environment. Provides OSHA regulations, personal safety and understanding of the importance of safe work habits.

**Units**

**Min Units:**
1

**Max Units:**
1

## RE101 - Real Estate Principles

### General

**Subject code**
RE

**Catalog Number**
101

**Long Description (Catalog Description)**
Prepares students for careers in the real estate profession. Includes law of agency, listing agreements, encumbrances, legal descriptions, taxes, contracts and escrow. This course, along with RE 103, satisfies requirements of the Real Estate Division and Commission for taking the salesperson exam.

**Units**

**Min Units:**
4

**Max Units:**
4

## RE103 - Real Estate Law And Practice

### General

**Subject code**
RE

**Catalog Number**
103

**Long Description (Catalog Description)**
Prerequisites: RE101
Provides in-depth study of the real estate profession including Nevada real estate laws. Covers rules and regulations pertaining to NRS 645 and NRS 119, along with listing procedures, contracts, closing statements and office procedures.

### Units

**Min Units:**
4

**Max Units:**
4

## SUR119 - Construction Surveying

### General

**Subject code**
SUR

**Catalog Number**
119

**Long Description (Catalog Description)**
Prerequisites: CONS108 or consent of instructor
Presents care and use of surveying equipment. Profile elevation and closed traverse projects will provide hands-on experience. Construction staking will be explained in detail.

### Units

**Min Units:**
3

**Max Units:**
3

## SUR161 - Elementary Surveying

### General

**Subject code**
SUR

**Catalog Number**
161

**Long Description (Catalog Description)**
Prerequisites: MATH127 or higher
Offers a beginning course designed to introduce students to modern techniques in land surveying.

### Units

**Min Units:**
4

**Max Units:**
4

## WELD211 - Welding I

### General

**Subject code**
WELD

**Catalog Number**
211

**Long Description (Catalog Description)**
Corequisite: WELD 212
Introduces welding which includes welding safety, environmental awareness, oxy-acetylene welding, cutting, and brazing as well as shielded metal-arc.

### Units

**Min Units:**
3

**Max Units:**
3

## WELD212 - Welding I Practice

### General

**Subject code**
WELD

**Catalog Number**
212

**Long Description (Catalog Description)**
Corequisites: WELD 211
Develops the student's manual skills necessary to produce high quality gas welds and flame cuts. The student learns to set up the equipment for all phases of oxy-acetylene welding and cutting. The shielded metal-arc welding section develops entry level skills for welders. This course specifically develops basic shielded metal arc welding skills such as striking the arc, maintaining proper arc length, adjusting equipment and manipulating the electrode.

### Units

**Min Units:**
2

**Max Units:**
2

## WELD221 - Welding II

### General

**Subject code**
WELD

**Catalog Number**
221

**Long Description (Catalog Description)**
Prerequisites: WELD 211 and WELD 212, or consent of instructor; Corequisite: WELD 222
Continues MTL 212 with emphasis on developing welding skills for SMAW, GMAW, GTAW production in overhead, flat, horizontal, and vertical positions.

### Units

**Min Units:**
3

**Max Units:**
3

## WELD222 - Welding II Practice

### General

**Subject code**
WELD

**Catalog Number**
222

**Long Description (Catalog Description)**
Prerequisites: WELD 211 and WELD 212, or consent of instructor; Corequisite: WELD 221
Continues MTL 212 with emphasis on developing welding skills for SMAW, GMAW, and GTAW production in overhead, flat, horizontal, and vertical positions.

### Units

**Min Units:**
2

**Max Units:**
2

## WELD224 - Welding Projects

### General

**Subject code**
WELD

**Catalog Number**
224

**Long Description (Catalog Description)**
Prerequisites: Consent of instructor
Offers welding student additional supervised lab hours. Students will perfect their skills through an approved project or work toward an A.W.S. Code preparation. May be repeated to a maximum of six units.

### Units

**Min Units:**
1

**Max Units:**
6

## WELD231 - Welding III

### General

**Subject code**
WELD

**Catalog Number**
231

**Long Description (Catalog Description)**
Prerequisites: WELD 221 and WELD 222, or consent of instructor; Corequisite: WELD 232
Includes theory and practice in gas metal-arc welding and gas tungsten-arc welding.

### Units

**Min Units:**
3

**Max Units:**
3

## WELD232 - Welding III Practice

### General

**Subject code**
WELD

**Catalog Number**
232

**Long Description (Catalog Description)**
Prerequisites: WELD 221 and WELD 222, or consent of instructor; Corequisite: WELD 231
Focuses on GMAW, GTAW, and FCAW which will train the student to perform production and certification performance welding on ferrous and non-ferrous metals.

### Units

**Min Units:**
2

**Max Units:**
2

## WELD241 - Welding IV

### General

**Subject code**
WELD

**Catalog Number**
241

**Long Description (Catalog Description)**
Prerequisites: WELD 231 and WELD 232, or consent of instructor; Corequisite: WELD 242
Covers shielded metal-arc welding of pipe, flux core arc welding of pipe and introduction to A.P.I., A.S.M.E., and A.W.S. code certification. Welding of pipe provides training to develop welding skills necessary to produce high quality multipass welds on 6-inch schedule, 80 mild steel pipe in the 6 G positions, using advanced welding processes.

### Units

**Min Units:**
3

**Max Units:**
3

## WELD242 - Welding IV Practice

### General

**Subject code**
WELD

**Catalog Number**
242

**Long Description (Catalog Description)**
Prerequisites: WELD 231 and WELD 232, or consent of instructor; Corequisite: WELD 241
Introduces fundamental pipe welding techniques and develops basic skills for the service and transmission fields in the shielded metal-arc section. Trains welders for work in either the pressure pipe industry or transmission pipeline work using the micro-wire weld.

### Units

**Min Units:**
2

**Max Units:**
2

## WELD250 - Welding Certification Preparation

### General

| Subject code | Catalog Number |
| --- | --- |
| WELD | 250 |

**Long Description (Catalog Description)**
Prerequisites: consent of instructor
Introduces the student to the many certifications available by meeting the standards of the American Welding Society codes. Also, it includes instruction on code certification required by the American Petroleum Institute and the American Society of Mechanical Engineers. May be repeated for up to 12 units.

### Units

| Min Units: | Max Units: |
| --- | --- |
| 1 | 12 |

## WELD290 - Internship in Welding

### General

| Subject code | Catalog Number |
| --- | --- |
| WELD | 290 |

**Long Description (Catalog Description)**
Prerequisites: consent of instructor
Provides the student with on-the-job, supervised and educationally directed work experience.

### Units

| Min Units: | Max Units: |
| --- | --- |
| 1 | 8 |